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**Project acronym: EDIT**

**Project title: Toward the European Distributed Institute of Taxonomy**

Instrument: Network of Excellence

Thematic Priority: Sub-Priority 1.1.6.3: "Global Change and Ecosystems"

# Periodic Activity Report

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Project coordinator name: Simon TILLIER

Project coordinator organisation name: Muséum National d'Histoire Naturelle (MNHN)

Revision [1]

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## Publishable Executive Summary

The overall objective of EDIT is to integrate European taxonomic effort within the ERA and to build a world leading capacity to provide better access to a more unified and better quality taxonomic research information base, particularly for:

- [a] those users who assess changes in biodiversity and protect it against decline,
- [b] those who are dedicated to understanding ecosystem functioning, and
- [c] other taxonomists

During its first year, EDIT has made significant progress toward its objectives

- *Reduction of fragmentation and transformation of taxonomy into an integrated science*
  - Building up an internet platform aiming at providing a common basis for dedicated tools, freely available to the whole scientific taxonomic community is a central objective (WP5, leading partner 9 – FU-BGBM): work during the first year focussed on preparing the ground for the construction of the Platform for Cybertaxonomy, which is to enhance the taxonomic work process by means of IST integration. Modelling of the taxonomic work process is on time and highly productive.
  - EDIT scientific activities involve building up a common work model for both taxonomic revisions (WP6) and local inventories as a baseline for conservation (WP7), elaborated from pilot or exemplar projects: WP6 (leading partner 6 – NHML) has developed a general scheme describing the information flow associated with the taxonomic process that identifies major system components. A key element of this work plan is the use of taxonomic scratchpads, i.e. web sites that are created for taxonomic communities and within which they can develop content and resources that they most need. Elaboration of the modalities for common work and integrated work flow for inventories (WP7, leading partner 11-SMNS) is in progress: a web-based specimen ATBI database and online tools are elaborated with WP5. EDIT scientists participated in the SANTO expedition, further synergies will be mobilised by integrating SANTO primary observation data into the database.
- *Strengthening the scientific, technological and information capacities needed for Europe to understand how biodiversity is modified through Global change*
  - In order to obtain an overview of the European taxonomic expert and expertise basis, (WP2, leading partner 2 – UKBH), most effort has gone into preparing an online information service on taxonomic experts, including information on the groups of organisms on which they are experts, the geographical area covered, their general approaches to taxonomy, their methodology, as well as their ongoing and planned taxonomic research projects.
  - Integration of infrastructures. WP3 (leading partner 3-UvA) started with identifying the key issues and opinions, revealing which policy subjects will be have to addressed with priority. Regarding the digital infrastructure, emphasis was on contributing to the plan for a virtual biodiversity research infrastructure (Life Watch), in collaboration with the other EU networks of excellence in biodiversity research. In view of integration of IT departments, the first meeting of the Information Science and Technology Commission (ISTC, WP5) had 14 of the 27 EDIT partner institutions attending, plus a delegate from RBG Edinburgh.

- In education and training, the objective is to stimulate a better integration of courses and research training opportunities and to mobilise the training providers into a coherent and widely publicised training programme, the “*Distributed European School of Taxonomy*”. Information on existing training resources is being compiled using several approaches.
- *Progress toward a transnational entity by encouraging durable integration of the most important European taxonomic institutions*
  - Although actual resolution of fragmentation of research in taxonomy is still a long way ahead, the start of EDIT has provided a good basis for integration by providing simultaneously the opportunity for General Directors to meet and make common decisions (two meetings, all partners); by providing a single external view and evaluation on activities lead in common by the partners through the Scientific Advisory Council, whose first report influenced strongly the second JPA once endorsed by the Board of Directors (one meeting); and finally, by establishing a common small administrative structure through the Network Office based in Paris (leading partner 2-MNHN).
- *Promotion of the undertaking of collaborative research*
  - Emerging technologies methods and research challenges for taxonomic research: the activities corresponding to this objective (WP4 – leader partner 4-CSIC) have been restructured in the next JPA according to recommendations of the Scientific Advisory Council. A first workshop, on animal sound and sound libraries in taxonomic research, has resulted in organization of the community concerned in a new scientific society, which has already planned one further meeting in 2007, and progressed toward standards for animal sound libraries.
  - Taxonomic Inventories in protected areas have been the object of a first workshop, held in Stuttgart in May 2006 (WP7 - leading partner 11- SMNS). With feedback from scientists, various stakeholders, and the Scientific Advisory Committee, a broad spectrum of terrestrial and potential marine ATBI sites within and outside the European Union have been identified. Moreover, taxonomic taskforces have been established with active representatives from 19 out of 27 EDIT partner institutions, and numerous external experts.
- *Creation of a forum for stakeholders and end-users for taxonomy in biodiversity and ecosystem research*
  - The EDIT websites consist in one central website (<http://e-taxonomy.eu>) and dedicated workpackages websites, accessible both from the central website and directly. These sites provide information, fora, wikis, etc and are continuously enriched and improved.
  - The bimonthly EDIT newsletter has started in february 2007, and its distribution will be progressively expanded outside the EDIT circle as its contents is improved.
- *Promotion of the spreading of excellence to fulfil the needs of biodiversity and ecosystem research for taxonomy based information.*
  - In order to improve perception of taxonomy by its stakeholders, EDIT leaders and other members have participated to a number of international and national fora,

presenting inter alia talks and posters, including the Conference of Parties of the Convention on Biological Diversity and its SBSTTA.

- Identification of users and stakeholders of taxonomy is difficult, which in turn makes very difficult to orient research and products toward fulfilment of the user's needs. Alison programme has started, with the objective of elaborating a stakeholder map which in turn will help orienting EDIT policy regarding research and expertise.

Three main problems have been encountered and are addressed in the second JPA:

- *Delays*: from the contract signature and transfer of funds to the actual start of operations, most actions have taken place later than planned in the initial JPA.
- *Coordination of Research* (Work Package 4): WP4 has had some unforeseen difficulties during the first year. However, through the integrated collaboration of many people within the WP and from the rest of EDIT it has been possible to accomplish some of the objectives, as well as to define a better strategy for the future developments.
- *Communication and interaction between Work Packages*: the first period experience made apparent the difficulty of making researchers aware of the possibility for participation in EDIT activities, but also, once they are engaged, aware of the activities of other WPs. Measures taken, in addition to web sites and newsletter development, include more frequent and longer meetings of the Network Steering Committee where Work Package leaders meet, and the organisation of a general meeting where direct contact and exchange between researchers engaged in different activities will be made possible.

### **Contractors involved**

Partic. N°	Participant name	Participant short name	Country
1	<i>Caisse de Dépôts et Consignations – Coordinator</i>	CDC	FR
2	<i>Muséum national d'Histoire naturelle – Project Leader</i>	MNHN	FR
3	Natural History Museum of Denmark, University of Copenhagen	UKBH	DK
4	MNCN : Museo nacional de Ciencias Naturales, RJB : Real Jardín Botánico, CEAB : Centro de Estudios de Blanes, ICM : Instituto de Ciencias del Mar	CSIC – MNCN	ES
Netherlands Consortium of Taxonomic Facilities		NL – TAF	
5	University of Amsterdam	UvA	NL
6	National Herbarium Netherlands	NHN	NL
7	Natural History Museum Naturalis	NNM	NL
8	Centraalbureau Schimmelcultures	CBS	NL
9	Freie Universitaet Berlin – Botanical Garden and Botanical Museum	FUB – BGBM	DE
10	Natural History Museum, London	NHML	UK
11	Royal Botanic Gardens Kew	RBGK	UK
12	Staatliches Museum für Naturkunde, Stuttgart	SMNS	DE
Belgian Consortium of Taxonomic Facilities		BE – TAF	
13	Royal Belgian Institute of Natural Sciences	RBINS	BE
14	Royal Museum for Central Africa, Tervuren	RMCA	BE
15	National Botanic Garden of Belgium	NBGB	BE
Poland Consortium of Taxonomic Facilities		PL – TAF	
16	Museum and Institute of Zoology, Polish Academy of Sciences	MIZPAN	PL
17	Institute of Botany, Polish academy of sciences	IBPAN	PL

Partic. N°	Participant name	Participant short name	Country
18	Hungarian Natural History Museum	HNHM	H
	National Consortium of Taxonomic Facilities, Slovakia	NATAF	
19	Comenius University, Bratislava	CUB	SL
20	Institute of Botany, Slovakian Academy of Sciences	IBSAS	SL
21	Institut National de la Recherche Agronomique	INRA	FR
<b>NETWORK ORGANISATIONS</b>			
22	Society for management of European biodiversity data	SMEBD	IR
23	Species 2000	SP2000	UK
<b>THIRD COUNTRIES PARTICIPANTS</b>			
24	Komarov Botanical Institute of the Russian Academy of Sciences	BINRAS	RU
25	Zoological Institute of the Russian Academy of Sciences	ZINRAS	RU
26	Missouri Botanical Garden, St Louis	MO	USA
27	US National Museum of Natural History, Smithsonian Institution, Washington	USNM	USA

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### ***Project Public website***

[www.e-taxonomy.eu](http://www.e-taxonomy.eu)

## **Section 1 – Project objectives and major achievements during the reporting period**

### **1.1 Overview of general project objectives**

The major challenge facing taxonomy is that the information is scattered across 250 years of literature, in countless collections all over the world, on a growing number of websites, and in the minds of taxonomists belonging to hundreds of institutions all over the world. Even descriptions of new species (ca. 20,000 each year) are scattered across specialist journals as they always were. This further increases the difficulty for researchers in increasing the society's understanding of biodiversity and ecosystems functioning.

Conservationists and ecologists need integrated, user-friendly access to the names of species, the means to identify them, their distribution, and their general biology. At present, such access is poor. The challenge for the taxonomic community is to find the means of increasing data quality and providing wider access to the information through integration of effort and data sources. EDIT aims at addressing these significant information and management of knowledge problems in a rapidly changing field.

The overall objective of EDIT is to integrate European taxonomic effort within the ERA and to build a world leading capacity to provide better access to a more unified and better quality taxonomic research information base, particularly for:

- [a] those users who assess changes in biodiversity and protect it against decline,
- [b] those who are dedicated to understanding ecosystem functioning, and
- [c] other taxonomists

The operational and structural objectives of EDIT are:

- [1] To reduce fragmentation and to transform taxonomy into an integrated science
- [2] To strengthen the scientific, technological and information capacities needed for Europe to understand how biodiversity is modified through Global change
- [3] To progress toward a transnational entity by encouraging durable integration of the most important European taxonomic institutions, forming the nucleus of excellence around and from which institutions and taxonomists can integrate their activities
- [4] To promote the undertaking of collaborative research developing, improving and utilising the bio-informatics technologies needed
- [5] To create a forum for stakeholders and end-users for taxonomy in biodiversity and ecosystem research
- [6] To promote the spreading of excellence to fulfil the needs of biodiversity and ecosystem research for taxonomy based information.

### **1.2. Progression toward project objectives**

#### **1.2.1. Reduction of fragmentation and transformation of taxonomy into an integrated science**

- Most taxonomists have worked so far in relative isolation, at personal level and at taxon level, and this relative isolation became an impediment to production of knowledge for biodiversity and ecosystem research. EDIT scientific activities involve building up a common work model for both taxonomic revisions (WP6, leading partner 6-NHML) elaborated from pilot or exemplar projects: WP6 has developed a general scheme describing the information flow associated with the taxonomic process that identifies major system components, which have then been shared with WP5 for formal definition. A key element of this work plan is the use of taxonomic scratchpads, i.e. web sites that are created for taxonomic communities and within which they can develop content and resources that they most need. The scratchpads are proving to be successful in generating engagement well beyond the exemplar groups, at least with the NHML, even before their formal launch at the workshop planned for next April (see [www.editwebrevisions.info](http://www.editwebrevisions.info)).
- Elaboration of the modalities for common work and integrated work flow for inventories (WP7, leading partner 11-SMNS): a web-based specimen ATBI database and online tools are elaborated with WP5 (“Platform for Cybertaxonomy”). EDIT scientists participated in the SANTO expedition, further synergies will be mobilised by integrating SANTO primary observation data into the database.
- Building up an internet platform aiming at providing a common basis for dedicated tools, freely available to the whole scientific taxonomic community (WP5, leading partner 9 – FU-BGBM): work during the first year focussed on preparing the ground for the construction of the Platform for Cybertaxonomy, which is to enhance the taxonomic work process by means of IST integration. Modelling of the taxonomic work process is on time and highly productive with over 10 taxonomist at 5 partner institutions interviewed, modelling of the inventorying tasks has commenced.

### **1.2.2. Strengthening the scientific, technological and information capacities needed for Europe to understand how biodiversity is modified through Global change**

- To progress toward this objective a first step is to obtain an overview of the European taxonomic expert and expertise basis, in order to facilitate the setting up of taxonomic task forces, to make information on experts and expertise easily available for all potential users, and to optimize allocation of resources by avoiding unnecessary duplication of expertise (WP2, leading partner 2 – UKBH). Most effort in this domain has gone into preparing an online information service on taxonomic experts, including information on the groups of organisms on which they are experts, the geographical area covered, their general approaches to taxonomy (according to a newly published “classification” of taxonomic activities), their methodology, as well as their ongoing and planned taxonomic research projects
- A second step is the integration of infrastructures. WP3 (leading partner 3-UvA) started with identifying the key issues and opinions with the help of a questionnaire amongst directors of the major European taxonomic institutes. The outcomes revealed which policy subjects will be have to addressed with priority. With respect to the digital infrastructure, emphasis was on contributing to the plan for a virtual biodiversity research infrastructure (Life Watch), in collaboration with the other EU networks of excellence in biodiversity research. In view of integration of IT departments, the first meeting of the Information Science and Technology Commission (ISTC, WP5) had 14 of the 27 EDIT partner institutions attending, plus a delegate from RBG Edinburgh. The ISTC has published its recommendations and endorsed the second WP5 18 month plan as described at the time of the meeting.
- A third step is education and training. Their objective is to stimulate a better integration of courses and research training opportunities and to mobilise the training providers into a coherent and

widely publicised training programme, the “*Distributed European School of Taxonomy*”. Information on existing training resources is being compiled using several approaches. The questionnaire delivered close to 200 responses, while numerous additional courses were identified via other approaches. A gap analysis is being performed on the data collected, in order to highlight strengths and needs in Europe and globally and to provide recommendations on priorities

### **1.2.3. Progress toward a transnational entity by encouraging durable integration of the most important European taxonomic institutions**

Although actual resolution of fragmentation of research in taxonomy is still a long way ahead, the start of EDIT has provided a good basis for integration by providing simultaneously the opportunity for General Directors to meet and make common decisions (two meetings, all partners); by providing a single external view and evaluation on activities lead in common by the partners through the Scientific Advisory Council, whose first report influenced strongly the second JPA once endorsed by the Board of Directors (one meeting); and finally, last but not least, by establishing a common small administrative structure through the Network Office based in Paris (leading partner 2-MNHN).

### **1.2.4. Promotion of the undertaking of collaborative research developing, improving and utilising the bio-informatics technologies needed**

- This part of the plan relies both on the information service on taxonomy and taxonomic expertise, which has progressed as described above (objective 2).
- Organisation of workshops on emerging technologies methods and research challenges for taxonomic research: due to delay and problems described below, only a very little part of the objectives has been approached. However a first workshop, on animal sound and sound libraries in taxonomic research, has resulted in organization of the community concerned in a new scientific society, which has already planned one further meeting in 2007, and progressed toward standards for animal sound libraries. The activities corresponding to this objective (WP4) have been restructured in the next JPA (leading partner 4-CSIC).
- Taxonomic Inventories in protected areas have been the object of a first workshop, held in Stuttgart in march 2006 (leading partner 11- SMNS). With feedback from scientists, various stakeholders, and the Scientific Advisory Committee, WP7 has identified a broad spectrum of terrestrial and potential marine ATBI sites within and outside the European Union. Moreover, taxonomic taskforces have been established with active representatives from 19 out of 27 EDIT partner institutions, and numerous external experts. A first pilot site for integrated work has been selected in the Parc National du Mercantour (France)/ Alpi Maritime (Italy), starting in 2007.

### **1.2.5. Creation of a forum for stakeholders and end-users for taxonomy in biodiversity and ecosystem research**

During the first period two tools have been elaborated:

- The EDIT websites consist in one central website (<http://e-taxonomy.eu>) and dedicated workpackages websites, accessible both from the central website and directly. These sites provide information, fora, wikis, etc and are continuously enriched and improved;
- The bimonthly EDIT newsletter has started in February 2007, and its distribution will be progressively expanded outside the EDIT circle as its contents is improved.

### **1.2.6. Promotion of the spreading of excellence to fulfil the needs of biodiversity and ecosystem research for taxonomy based information**

- Taxonomy provides the basis for biodiversity perception and analysis, but its importance and the importance of leading institutions is not well perceived. EDIT leaders and participants have participated to a number of international and national fora, presenting inter alia talks and posters, including the Conference of Parties of the Convention on Biological Diversity and its SBSTTA.
- Although the need for taxonomic expertise and research is very generally acknowledged, their very general application makes identification of users and stakeholders difficult. In consequence, it makes very difficult to orient research and products toward fulfilment of the user's needs. In the course of the first period, decision has been taken to dedicate one person full time to liaison activities, implying interviews with both taxonomists and non-taxonomists in various biodiversity forums, with the objective of elaborating a stakeholder map which in turn will help orienting EDIT policy regarding research and expertise. This work started in January 2007, and should also participate to elaboration of a PR coordinated plan for taxonomy and taxonomic research.

### **1.3. Problems encountered during the first period and solutions**

Three main problems have been encountered:

- Delays: from the contract signature and transfer of funds to the actual start of operations, most actions have taken place later than planned in the initial JPA. This is partly running in of the network, but also results from poor estimates of the administrative constraints at institution level in some partners, in particular regarding recruitment. The second JPA has been established taking these delays and this experience into account.
- Coordination of Research, Work Package 4: although this WP is central for research mutual awareness, the inability of partner 4-CSIC to apply the Description of Work timely lead to a crisis, where suppression of this WP has been encompassed. Finally, WP4 has been restructured and the new plan will be submitted to the Scientific Advisory Council in May 2007.
- Communication and interaction between Work Packages: the first period experience made apparent the difficulty of making researchers employed by partners not only aware of the possibility for participation in EDIT activities, but also, once they are engaged, aware of the activities of other WPs. The resulting lack of interaction has been noted by the Scientific Advisory Council. Measures taken, in addition to web sites and newsletter development, include more frequent and longer meetings of the Network Steering Committee where Work Package leaders meet, and the organisation of a general meeting where direct contact and exchange between researchers engaged in different activities will be made possible.

## Section 2 – Workpackage progress of the period

### 2.1 Workpackage 1: EDIT Coordination and Management

**WP Leader:** Simon TILLIER

**Partner n°:** 2 MNHN

**Other partners involved:** All partners

#### 2.1.1 Objectives

- Build up and operate a light but dynamic structure, involving the top executive level of the partners, ensuring long-term operational and structural links between partners
- Coordinate the activities regarding research, infrastructures and expertise toward common goals integrated at director's level for implementation of further common decisions, aiming at combining all work packages objectives into a single integrated sustainable structure
- Ensure interaction of EDIT activities with scientific activity in the field of biodiversity and with societal needs
- Coordinate interactions with stakeholders, including communication with institutional stakeholders
- Establish and actualize the roadmap of EDIT, including plans to enlarge the consortium
- Ensure internal and external communication of EDIT, and its visibility through the web

#### 2.1.2 Progress towards objectives

The Network Office in Paris (2 MNHN) employs five persons, including the Project Leader and maintains the various coordinating mechanisms: organization of meetings including minutes, maintenance of the website, newsletter, administrative and financial coordination of partners, etc.

The Board of Directors (BoD, all partners) met twice, in June 2006 and January 2007 (executive summaries, annex). The Scientific Advisory Council (SAC) has been constituted and met the 14 November 2006 in Paris, with high level and dedicated scientists not belonging to EDIT member institutions. Its report (annex) has been endorsed by the BoD and taken into account for preparation of the second JPA, and the SAC wished to meet again in May 2007. Overall members of both the SAC and the BoD appear very committed, which indicates interest and involvement of partners but also implies twice more meetings than initially planned.

The kick-off meeting, held in June 2006 gathered more than 100 participants and provided the opportunity for Work packages workshops, as well as the first meeting of the Board of Directors. The meeting gave rise to good coverage in the French National Press, radio and TV. We consider external communication as rather good so far: numerous papers in the press in June-July, TV emissions etc in France; participation to scientific conferences and committees worldwide, etc. However, the Board of Directors has asked reinforcement of Public Relations activities, which is taken into account in the 2d JPA.

An important activity, at WP1 level, has been the involvement of the Project leader and WP leaders in more meetings and committees than foreseen, in direct relation with the development of EDIT:

- Biodiversa workshop on research orientation at EU level (Porto), May 2006 ;
- Diversitas/GEOSS workshop (Geneva), Oct 2006;
- International Coral Reef Conference, Noumea, Oct 2006 (plenary presentation);
- ESSP, Beijing, Nov 2006 (presentation, poster);

- EPBRS, e-conference and meetings spring (Vienna) and autumn (Helsinki) 2006;
- Report to SYNTHESYS meeting, Jan 2006 (Bruxelles);
- Reports to CETAF meetings (spring + autumn 2005, 2006);
- Membership of the CBoL Executive Committee (meetings and regional conferences in spring and autumn 2006, cf also WP3);
- Membership of the Diversitas BioGenesis Scientific Committee (CP0 meeting 2006, relationship with WPs 4, 6 and 7).

More generally speaking harmonization of liaison activities (all WPs), as described in DoW, appeared necessary. Upon SAC Chair suggestion, a meeting of WP leaders whose activity involves liaison groups with SAC Chair and Project leader has been held in Barcelona the 15/9. A Liaison officer, placed under joint supervision of Project leader and SAC Chair, has subsequently been hired (2 MNHN) and started working in coordination with WP leaders, in particular to establish the 2d JPA.

The gender action plan (13 RBINS, all partners) has started in January 2007. In all groups of which constitution depends from EDIT the sex ratio approaches 0,5: Network Office staff (incl Project Leader) 0,5; Scientific Advisory Council sex ratio F/M = 0,41; however in the Board of Directors, which depends obviously from partners individually, the sex ratio F/M is only 0,11. The Gender Liaison Group has been constituted with one representative from each partner, and started working.

### **2.1.3 Deviations from the project workprogramme and corrective actions**

Deviation from the work programme consists mainly in delay of operations, corresponding to the learning phase, in addition to delays in financial and administrative implementation by the Commission (contract, transfer of funds) as well as by partners. In particular, the WP4 has been delayed owing to failure of partner 4 CSIC. Upon advice of the SAC and with support of the BoD, the WP4 JPA has been restructured and focused on better coordination and liaison with users in view of the 2d JPA.

Overall and from the Network Office point of view, the main problem encountered was the lack of information on ongoing activities coming up from the WPs and from the partners, in spite of the establishment of mailing / discussion lists. Regarding the WPs, this has partly been counterbalanced by the numerous meetings in which some WP leaders and the Project leader have been attending together. However this is not true for WPs 4 and 8, and anyway this is not satisfying. In consequence, more and longer (two days) meetings of the NSC are planned in the second JPA. The situation is even worse regarding information from the partners, whose activities are not visible from the Network Office except by accident. Starting and running the newsletter, first issued in February 2007, which had been delayed, in association with the development of coordinated websites for work packages (WP5, 6, 7) has started improving this poor internal communication and visibility. A second general meeting, not planned in the initial JPA, should also take place during the second JPA.

Regarding PR, and upon request of the BoD, a plan is being elaborated by the liaison officer (2 MNHN) and those partners who have indicated their intention to invest some of their PR resources (11 RBGK, 12 SMNS, 14 RMCA, 15 RBINS, 2 MNHN). Partner 11 RBGK has accepted to mentor this programme.

Activities planned in the Gender Action Plan have been delayed owing lack of availability in partners staff. This has been corrected, and the GAP action has started month 10. The GAP has been revised accordingly in the second JPA.

### **2.1.4 Lists of deliverables & milestones**

**Table 1: Deliverables List**

Del. No.	Deliverable name	Workpackage no.	Date due	Actual/Forecast delivery date	Actual state Justification of delay/cancellation	Estimated indicative person-months *)	Used indicative person-months *)	Lead contractor
D1.3.1	Bimonthly bulletin established	WP1	Month 1 and ongoing	Month 10	Delayed by late transfer.	2	2	2 – MNHN
D1.3.2	EDIT website established	WP1	Month 4 and ongoing	Month 4 and Month 9	N/A	16	10	2 – MNHN
D1.5.1	Work/Life Balance travel scheme	WP1	Month 1	Month 19	Draft submitted to Gender Liaison Group Month 11. Approval delayed because of unavailability of the GAP coordinator and slow response of Liaison Group members	0,5		13 – RBINS
D1.2.1	Financial Report	WP1	Months 5,11	Month 8 and 11	N/A	10,4		1 – CDC
D1.1.1	Budget for months 11-29 submitted by the NSC to the BoD	WP1	Month 11	Month 13	Difficulty in recovering costs data from partners and consensus from WP leaders.	10		2 – MNHN
D1.5.2	Gender statistics in annual report	WP1	Month 11	Cancelled	Nothing different compared to initial data. Can still be done easily, but what is the interest?	0,25		13 – RBINS
D1.5.3	Fellowships for outstanding women scientists	WP1	Month 11	Month 21	Delayed because of unavailability of GAP coordinator. To be delivered by partner RBINS	0,5		13 – RBINS

\*) if available

**Table 2: Milestones List**

Milestone no.	Milestone name	Workpackage no.	Date due	Actual/Forecast delivery date	Lead contractor
M1.1.1	Constitution of the Network Office	WP1	Month 0	Month 0 to 8	2 – MNHN
M1.1.2	First meeting of the NSC	WP1	Month 0	Month 2	2 – MNHN
M1.1.3	Second meeting of the NSC	WP1	Month 4	Month 8	2 – MNHN
M1.1.4	Third meeting of the NSC: budget for months 12-23 submitted to the BoD	WP1	Month 10	Month 11	2 – MNHN
M1.2.1	Constitution of the SAC	WP1	Month 1	Month 1 to 5	2 – MNHN
M1.2.2	Constitution of the IPUDC, if decided	WP1	Month 4	N/A	2 – MNHN

Milestone no.	Milestone name	Workpackage no.	Date due	Actual/Forecast delivery date	Lead contractor
M1.2.3	First SAC meeting	WP1	Month 4	Month 8	2 – MNHN
M1.2.4	First BoD meeting	WP1	Month 4	Month 2 and 3	2 – MNHN
M1.2.6	Second BoD meeting: budget and activities adopted for months 12-23	WP1	Month 11	Month 10, budget Month 12	2 – MNHN
M1.3.1	Website design contracted	WP1	Month 1	Month 1	2 – MNHN
M1.3.2	Kick-off meeting	WP1	Month 4	Month 3	2 – MNHN
M1.3.3	Website established and administrator hired	WP1	Month 4	Month 4 (website established) and Month 7 (website administrator hired)	2 – MNHN
M1.3.4	PR officer designated or hired	WP1	Month 4	Month 7	2 – MNHN
M1.3.5	Liaison established with WP pages sites and ongoing	WP1	Month 5	Month 9	2 – MNHN
M1.4.1	Liaison programme started	WP1	Month 2	Month 9	2 – MNHN
M1.4.2	Report of the Scientific Advisory Council (SAC)	WP1	Month 16	Month 9	2 – MNHN
M1.5.1	Women are included in the BoD, project management team and SAC	WP1	Month 1	Month 0 (project management team & BoD) and Month 3 (SAC)	2 – MNHN
M1.5.2	Gender Liaison Group established	WP1	Month 1	Month 10	13 – RBINS
M1.5.3	Summary of “gender and excellence in the making” distributed, read and signed by all	WP1	Month 5	Month 15	13 – RBINS
M1.5.4	Gender in science thematic session during first annual meeting	WP1	Month 11	Month 24	13 – RBINS
M1.5.1	Gender aspects integrated into EDIT’s recruitment strategy	WP1	Month 11	Month 22	13 – RBINS

## 2.2 Workpackage 2: Integrating and Reshaping the Expert and Expertise Basis

**WP Leader:** Henrik Enghoff

**Partner n°** 3 UKBH

**Other partners involved:**

- 2 MNHN
- 4 CSIC-MNCN
- 5 UvA
- 6 NHN
- 7 NNM
- 8 CBS
- 9 FUB-BGBM
- 10 NHML
- 11 RBGK
- 12 SMNS
- 13 RBINS
- 14 RMCA
- 16 MIZPAN
- 19 CUB
- 20 IBSAS
- 21 INRA
- 22 SMEBD
- 23 SP2000
- 24 BINRAS
- 27 USNM

### 2.2.1 Objectives

- Obtaining an overview of the European taxonomic expert and expertise basis and its relation to the global expert and expertise basis
- Facilitating the setting up of taxonomic task forces to address specific research objectives identified by EDIT
- Making information on the expert and expertise basis easily available for all potential users
- Optimizing allocation of national and European resources (avoiding unnecessary duplication of expertise)

### 2.2.2 Progress towards objectives

The **first meeting of WP2 partners (M2.1)** took place June 29 2006, Natural History Museum Paris, France. Preparatory and proceeding activities relating to the meeting included:

- General customisation to and specification of the tasks and work within WP2 DoW items 2.1, 2.2 and 2.3 (See titles below)
- Identification of relevant contact people for WP2 and invitation of them to the meeting

The meeting subjects included elaborated discussions on:

- Design, implementation and maintenance of an online form to retrieve and keep updated the information on taxonomists and their expertise (D2.3<sup>1</sup>)

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<sup>1</sup> Deliverable D2.3 First version of the online information service structure of experts and expertise

- How to incorporate information on ongoing and planned taxonomic projects (D2.4<sup>2</sup>) with regard to both online form functionality, which questions to ask to clarify the subject, and how to obtain the information from the taxonomic community

Based on conclusions from these discussions, it was decided to merge D2.4<sup>2</sup> with D2.3<sup>3</sup> into one information service. A presentation was given by Edo Stloukal (19 CUB) of the previous WP2 related efforts to catalogue taxonomic experts and their expertise in the “New Accession States” extension to Fauna Europaea, FaEu-NAS<sup>4</sup> and included discussions on how to carry this service on to provide an online information structure on taxonomic societies and networks (D2.5). Deliverable D2.4<sup>2</sup> was briefly discussed and it was decided to postpone activities – see below in paragraph 2.2.3 on Deviations from the project work programme and corrective actions. For further details of the meeting, see agenda, minutes and participants list at [www.e-taxonomy.eu/edit-downloads.php](http://www.e-taxonomy.eu/edit-downloads.php).

**Regarding DoW items 2.1 & 2.2 (Information services on taxonomic experts, their expertise and ongoing and planned taxonomic projects)**, existing services on the web with directories of taxonomic experts and their expertise has been (and is being) explored and information compiled for the report on analysis of existing directories (D2.2) that forms the basis for designing the online information service (D2.3<sup>3</sup> and D2.4<sup>2</sup> integrated into one single service see rationale above). The study for the report includes directories from web-portals of museums and other research institutions, as well as taxonomic networks and societies.

Basic material for the report has been collected: A large number of services with relevant content have been identified, more are added continuously, and all URLs, with notes, are kept in a personal archive of the free webservice **Connotea** – [www.connotea.org](http://www.connotea.org), provided by the journal *Nature* (© 2005-2006 Nature Publishing Group). This archive is shared with WP2 partners (and any other interested EDIT partners), through a common URL<sup>5</sup>. All partners may contribute to the archive by using specified tags (keywords) for the URLs they register in this Connotea service. WP2 partners have been encouraged to contribute.

Among the above-mentioned existing services on the web, some have been identified as having functionality which could be implemented in the WP2 online information service on experts & projects. Hence, a draft outline for the basic structure and functionality for the online information service, building on an extensive analysis of the selected existing services, has been reviewed by the WP2 partners (see draft uploaded to <https://www.cdc-imt.com/>) and further development of the service is currently taking place in collaboration with relevant partners. The existing services with functionality relevant to WP2 currently include:

- The ETI World Taxonomist Database: <http://www.eti.uva.nl/tools/wtd.php>, hosted and maintained by ETI – the Expert Center for Taxonomic Identification.
- “New Accession States” extension to Fauna Europaea, FaEu-NAS [http://zoology.fns.uniba.sk/faeu/search\\_service/search\\_index.htm](http://zoology.fns.uniba.sk/faeu/search_service/search_index.htm)
- Fauna Europaea experts database <http://www.faunaeur.org/experts.php>
- German GTI database on taxonomic experts (unpublished CD)
- DAISIE European Alien Species Expertise Registry <http://daisie.ckff.si/>. Though this is an initiative with another scope than EDIT, it seems to contain special and very desirable functionality which to our knowledge is not covered by any of the other existing taxonomic services, but which would probably suit the needs of the WP2 information service – see the abovementioned draft for more details.

<sup>2</sup> Deliverable D2.4 First version of the online information structure on ongoing and planned taxonomic projects

<sup>3</sup> Deliverable D2.3 First version of the online information service structure of experts and expertise

<sup>4</sup> [http://zoology.fns.uniba.sk/faeu/search\\_service/search\\_index.htm](http://zoology.fns.uniba.sk/faeu/search_service/search_index.htm)

<sup>5</sup> <http://www.connotea.org/user/icalabuig?num=100>

Other important directories that we currently plan to integrate information with (but more will be added) include the Belgian services on Biodiversity Resources ([biobel.biodiversity.be/biobel/](http://biobel.biodiversity.be/biobel/) and [www.br.fgov.be/BIODIV/](http://www.br.fgov.be/BIODIV/)) the UK Register of Taxonomic Expertise<sup>6</sup> and the German GTI Database register on taxonomic experts.

**Regarding DoW item 2.3 Taxonomic societies and networks**, the first phase of the information service on societies and networks (D2.5) has been completed by Dept. of Zoology, Comenius University, Bratislava, Slovakia (19 CUB). See separate report on completed deliverable and <http://zoology.fns.uniba.sk/edit/> (Menu item "Societies"), but in short, activities have included: Definition of the database structure of taxonomic societies and institutions; Programming interface for online database; Testing functionality of the database.

Through email contact, and during the below mentioned conference and ad hoc meetings (3 UKBH – 19 CUB), further details of the next version of the information structure will be discussed.

Final preparations for the **Conference for existing taxonomic networks and societies (M2.3)** are taking place: See event website at <http://zoology.fns.uniba.sk/edit/> (Menu item "Meetings"). Meeting venue is Smolenice Castle Congress Centre, Slovakia, March 26-30 2007, Host: Edo Stloukal, Dept. of Zoology, Comenius University, Bratislava, Slovakia (19 CUB); This meeting and conference will be held back-to-back with the experts meeting of the WP3 DoW item 3.2. -The taxonomic information infrastructure network (See progress report from WP3).

Important agenda items include:

- Elaboration on the further development of the information services on 1) taxonomic experts and projects (D2.3<sup>7</sup> & D2.4<sup>8</sup>) and 2) taxonomic societies and networks (D2.5).
- The diversity of taxonomic networks: personal, institutional and legal models.
- How can taxonomic networks set up for a particular task (e.g., Fauna Europaea) be maintained?
- The contribution of amateurs to different types of taxonomic activities.
- The role of societies in the recruitment of young taxonomists.

### 2.2.3 Deviations from the project workprogramme and corrective actions

Second meeting of partners (M2.2 Month 12) has been postponed and will take place back-to-back with a new upcoming Milestone (M2.3.3 in next JPA month 12-29): Second Symposium for existing taxonomic societies and networks (Ultimo 2007, specific month tba).

In the second JPA for Months 12 through 29 we ask for a postponement of the deliverables D2.3<sup>7</sup> and D2.4<sup>8</sup> which have been merged into one service (see rationale above): A thorough discussion of the basal structure of the service, followed by a design and specification phase, is necessary before an online version, even a preliminary one, will make sense. We therefore propose to deliver the first version of specification of the online information service structure in month 18 and the first version of the online information service itself in month 24.

**Regarding deliverable D2.1 (Report on existing funding mechanisms for exchange of personnel)** initially, it was decided that it would not make much sense to commence activities until the text of EC FP7's "People" programme was released. Later, it was decided to cancel the deliverable altogether and concentrate efforts within the DoW item 2.4 on a funding scheme for actual research exchange visits of EDIT researchers. This, including a rationale for the decision, has been elaborated upon and new deliverables outlined in the JPA Month12-29.

<sup>6</sup> <http://www.nhm.ac.uk/research-curation/biodiversity-museum/global-taxonomic-initiative/register-of-uk-taxonomic-expertise/index.html>

<sup>7</sup> Deliverable D2.3 First version of the online information service structure of experts and expertise

<sup>8</sup> Deliverable D2.4 First version of the online information structure on ongoing and planned taxonomic projects

## 2.2.4 Lists of deliverables &amp; milestones

Table 1: Deliverables List

Del. No.	Deliverable name	Workpackage no.	Date due	Actual/Forecast delivery date	Justification of delay/cancellation	Estimated indicative person-months *)	Used indicative person-months *)	Lead contractor
D2.1	Report on existing funding mechanisms for exchange of personnel	2	Month 12	Cancelled	It was decided to cancel the deliverable, i.a. because the launch of Marie Curie program of FP7 was delayed, and because SYNTHESYS finishes in 2008. It was deemed more efficient to concentrate the WP2 efforts on creating EDIT's own mechanism for support of collaborative taxonomic research.			3 – UKBH
D2.2	Report on analysis of existing directories of experts and expertise	2	Month 12	Month 18	Unexpected workload in other partner activities, combined with the fact that no activities of other partners were directly dependant on this deliverable	12,3	6	3 – UKBH
D2.5	First version of the online information structure on taxonomic societies and networks	2	Month 18	Month 10	N/A	19,2	6	19 – CUB

Table 2: Milestones List

Milestone no.	Milestone name	Work-package no.	Date due	Actual/Forecast delivery date	Lead contractor
M2.1	First meeting of partners	2	Month 3	Month 3	3 – UKBH

## 2.3 Workpackage 3: Integrating and Reshaping the Infrastructure Basis

**WP Leader:** Wouter Los

**Partner n°** 05-UVA

**Other partners involved:**

- 02-MNHN
- 03-UKBH
- 04-CSIC
- 06-NHN
- 07-NMN
- 08-CBS
- 09-FUB
- 11-RBGK
- 19-CUB
- 21-INRA
- 22-SMEBD

### 2.3.1 Objectives

- Integration of physical infrastructures.
- Reduction of the number of links in the chains of network decision making and in the operations.

### 2.3.2 Progress towards objectives

#### DoW item 3.1 Physical infrastructures (07-NMN)

*a. Complementarity and Integration*

Questionnaire sent to directors, and the results have been analysed to allow for studying the modes of cooperation and integration.

*b. Concept of Biological Resource Centres*

Desk study started on the applicability of BRC model. Results to presented to OECD Global Science Forum workshop.

*c. Rescue task forces*

Will start later, depending on available budget.

#### DoW item 3.2 Information infrastructure

*a. Information backbone (05-UVA, 11-RBGK)*

Emphasis was on promoting implementation in the framework of a potential new large-scale infrastructure or biodiversity research “Life Watch”. Plan was selected by the ESFRI. See <http://www.lifewatch.eu>.

*b. European Taxonomic Information Services (05-UVA, 07-NMN, 09-FUB, 19-CUB, 23-SP2000)*

- Workshop for national focal points in preparation (Bratislava). See: <http://zoology.fns.uniba.sk/edit>. Collaboration with WP2 to organise the expert networks.
- FP7 proposal preparation (early draft prepared) to organise and advance the e-infrastructure of checklist services.

- Advancement on the Fauna Europaea e-infrastructure (production and update server migrations)

*c. Bioinformatics Toolbox (11-RBGK)*

Design of Toolbox already quite advanced with two functions as working prototype.

(Phylogeny reconstruction and macroevolutionary analysis; Phylogeographic analysis for conservation).

**DoW item 3.3 Sustaining the cybertaxonomy process (05-UVA, 09-FUB)**

Will start later after progress and initial results in WP5.

**DoW item 3.4 Large-scale instrumental facilities***a. DNA barcoding (02-MNHN, 07-NHN, 08-CBS, 21-INRA)*

ECBOL website launched as communication platform (<http://www.ecbol.org/>). Questionnaire distributed for an inventory of current and planned DNA-barcoding activities. Preparation started for EDIT workshop DNA-barcoding (Leiden).

*b. Remote microscopy*

Will start later, depending on partner investments for equipment.

**DoW item 3.5 Liaison with international infrastructures (06-NHN)**

Plan set-up for European and wider international liaisons.

**2.3.3 Deviations from the project workprogramme and corrective actions**

Activity 3.1 had to delay the start since the WP budget did not allow directly.

Activity 3.4 started later since the senior scientist in charge left 08-CBS. New person was appointed. Implementation of ECBOL website outsourced.

**2.3.4 Lists of deliverables & milestones****Table 1: Deliverables List**

Del. No.	Deliverable name	Workpackage no.	Date due	Actual/Forecast delivery date	Justification of delay/cancellation	Estimated indicative person-months *)	Used indicative person-months *)	Lead contractor
D3.1	Design report infrastructure	WP3	Month 8	Month 24	Submitted as an analysis of options, opinions and international approaches. Further design options depend on WP1, 3 4 interaction and feed-back of directors.	29	9	07-NMN
D3.3	List of prototype components	WP3	Month 10	Month 11	N/A	47,4	28	11-RBGK

**Table 2: Milestones List**

Milestone no.	Milestone name	Workpackage no.	Date due	Actual/Forecast delivery date	Lead contractor
M3.1	First meeting of partners	WP3	Month 3	Month 4	02-MNHN
M3.3	Specs management digital infrastructure	WP3	Month 10	Month 11	05-UVA

## 2.4 Workpackage 4: Coordinating Research

**WP Leader:** Marian Ramos  
**Partner n°** 4 CSIC - MNCN

**Other partners involved:**

- 2 MNHN
- 3 UKBH
- 5 UvA
- 11 RBGK
- 14 RMCA
- 12 SMNS
- 13 RBINS

### 2.4.1 Objectives

Maximize the efficiency of the current efforts in organising and promoting synergies among research teams within EDIT and beyond, by prospecting emergent areas and by identifying users of taxonomic information and their needs from the field of taxonomy.

### 2.4.2 Progress towards objectives

WP4 has been partly re-defined for the reasons described below (see 2.2.3). In consequence, some of the activities planned for Months 0-11 have been postponed and/or redefined or even cancelled, after discussions with the Project Leader and by decision of the NSC.

The updated, more strategic and “step by step” programme of activities is described in the JPA for Months 12-29. The work carried out during the reported period has developed as follows:

#### **Regarding DoW item 4.1 Integrating research projects within and beyond EDIT**

*Prospecting for collaboration among research teams within EDIT, (partially based on WP2 bases of current projects and experts). Proposing mechanisms for integration of non-EDIT experts.*

The first of these tasks is largely depending on WP2 activities (databases of current projects and experts). The planned work includes to deliver a common database, instead of one report. In addition to information on experts, expertise, geographical areas of coverage, etc. (already planned by WP2), the database will include information on the conceptual and methodological approaches to taxonomic work used by taxonomists. WP2 (3UKBH) and WP4 (4CSIC) leaders are at present discussing together the contents of the databases and methods to compile the required information, so that it will allow to optimize the planning of future activities of EDIT, including future research.

A draft questionnaire has been elaborated to complement the fields that could not be identified with the collaboration of the Team Leaders.

New approaches in order to propose methods and mechanisms for integration of research in taxonomy (EDIT and non-EDIT experts) include the design of pilot activities, to be defined by a task group to be created within the next six months.

#### **Regarding DoW item 4.2 Liaison research / users**

*Identifying potential end users groups, assessing end users' needs for taxonomy.*

This activity has also be re-defined as follows: The term “end-users” has been replaced by “users of taxonomic information”, with the aim not only to identify who they are and what are their needs for taxonomy by sectors, but also to develop mechanisms to integrate them into the EDIT strategic

developments. Secondly, the work will not only focus in compiling information to plan future research, but also on user needs from all EDIT activities.

The new work programme was agreed in a meeting in Madrid (February 20 2007) attended by the Chair of the SAC, Director of MNCN (coordinator of activity 4.2), WP4 Leader and the person hired to carry out this activity (see M 4.2.0 and D4.2.0).

The re-defined DoW has already started by compiling information, experiences and advice on users issues obtained by previous projects and networks. The analyses of this information will allow identify the gaps on which future efforts should be concentrated. (See 2.2.3 for future steps agreed)

### **Regarding DoW item 4.3 Scientific alertness**

*Prospecting new and emerging opportunities: explore emerging opportunities, including new tools and technologies (i.e. Bar-coding, Morphometrics-Image Recognition, Sounds, etc.) through brainstorming and thematic workshops.*

A workshop, the ***First European Workshop on Animal Sound Research and Libraries*** was organized (27th – 30th September) with participation of 17 invited experts, both as users of animal sounds for biodiversity research and as technical experts in bioacoustics. A general invitation was sent to all EDIT partners. The meeting was highly successful (see the attached report, Deliverable 4.3.2), numerous agreements were reached and gaps identified. One important result (Deliverable 4.3.3) has been the establishment of the ***European Network of Sounds Research and Libraries for Conservation***. A second workshop of this newly created network is scheduled for month 18 and will be held in the University of Pavia, Italy, in the framework of the XXI International BioAcoustic Congress organized by CIBRA (Pavia, 15-18 September 2007)

The Letter of Intent for the creation of the network is published in [http://www.unipv.it/cibra/res\\_network\\_uk.html](http://www.unipv.it/cibra/res_network_uk.html), as well as the announcement of the second workshop, and it will be announced in the EDIT webpage soon.

However, and despite this highly successful thematic workshop, the activity 4.3 has been fully re-defined to better meet one of the important objectives of EDIT, namely is to outline an strategy for the future of taxonomic work (see 2.2.3). The name of the activity has been changed accordingly, and the term “scientific alertness” will not be used in the future. The planned “alertness group” will be not be establish (NSC decision on month 11). The proposed new denomination of the activity is ***4.3 Prospecting new strategies and tools for research in Taxonomy***.

All future activities focused only on “Bar-coding” have been transferred to WP3 “Infrastructures”.

### **2.4.3 Deviations from the project workprogramme and corrective actions**

This WP has had numerous contingencies along the first year:

The first and most important has been that the Spanish Ministry of Public Administrations has not authorised to hire the Assistant Coordinator of the WP Leader until very recently. The contract was finally approved in Month 11 and, after a public call for applicants, it is expected that the contracted person will start to work in Month 14. Some of the delay in starting the activities was due to the administrative rules of CSIC, which for any project contracted by the Commission does not allow to start any hiring process before its signature. Unfortunately, this happened by the end of June, close to Spanish vacation time. The Project Leader informed the NSC (first NSC meeting in Munich, May 10 2006) that the EC Project Officer was aware of this potential problem for some of the partner institutions, for which the actual starting date would be that of the signature of the contract (June 2006, Month 3).

In consequence, most of the activities that required a day-to-day work could not be started on Month 0. The corrective action undertook was to progress on objectives that, although not an immediate priority, were scheduled in the description of work of WP4 approved by the EC, and for which the necessary

manpower was available. This included the organization of the *First European Workshop on Animal Sound Research and Libraries* (27 - 30 September), already described in 2.2.2.

A second deviation from the project work-programme was related with Activity 4.2 (Liaison research/users). The Scientific Advisory Board (SAC) Chair, in agreement with the Project Leader, organized a meeting in Barcelona (September 15, 2006) with “users of taxonomic information” as the unique point in the agenda. The meeting was attended by the EDIT EC Project Officer and Leaders of EDIT WPs related with users (WP3, WP4 and WP7). The main conclusions were: 1) Users are very important regarding EDIT activities and the work on this topic has to integrate all kind of potential users and all their needs (not dispersed activities in different WPs), 2) The new focus implies an enormous amount of work, for which a person will be hired by MNHN, partner 2, in WP1, 3) The work will be coordinated with WP4, with the advise of the Project Leader and SAC Chair and 4) The work should not start before the selection of the person to assist in the work.

The selected person was contracted in month 9. The new work programme was agreed in a meeting in Madrid (February 20 2007) attended by the SAC Chair, the Director of MNCN (coordinator of activity 4.2), the WP4 Leader and the person hired to carry out this activity.

The new work programme has started already (see 2.2.2). The second step will be to work on the methodologies and possible options to investigate/assess the needs of the different groups of users of taxonomic information (i.e. how to fill the gaps of users’ needs). Simultaneously, the plan includes compiling information from EDIT members on their institutional views of who their users of taxonomic information are and what are their needs (e.g. their perception of the social function of taxonomic Institutions in Europe). These actions will permit to develop a users map and their needs, which will be supportive to the overall objectives of the EDIT project and will allow to work on mechanisms to interact with the different groups of users of taxonomic information (discussion within the NSC and with the SAC).

As a result of WP4 activities it is expected to provide the necessary background to WP1 to allow interactions with institutional stakeholders outside EDIT and the exploitation strategies (DoW 1.2.3).

Third contingency: the SAC report (December 2006) recognized WP4 on research coordination and its objectives on users as a key element of EDIT. However, it did not consider the reasons for deviations of the initial work-programme, criticising the corrective actions undertook by the WP4 Leader. This report recommended to re-design and re-articulate WP4 in order to be more focused on a visionary and strategic approach to future research in taxonomy, taking users’ needs into consideration.

Consequently, the former activity 4.3 (Scientific alertness) has been re-defined and the proposed new denomination is **4.3 Prospecting new strategies and tools for research in Taxonomy**. In order to prospect conceptual developments and technical opportunities for the Taxonomy of the XXI Century, the new work programme proposes to organize a symposium on perspectives and future trends in taxonomy, involving scientists from all (but not only) EDIT institutions, with special attention to young researchers. The symposium is aimed to gather taxonomists, phylogeneticists and experts in technologies that are not used for systematic purposes now, but most likely will be in the short to medium term. In addition, the symposium will allow to identify a potential follow up taskforce of advisers and organizers of further workshops on the subjects identified in its conclusions, by the NSC, SAC or the liaison groups, or emerging from the WP2 information on ongoing research. A draft plan including the objectives of the symposium and the proposed topics is currently under discussion with the EDIT Project Leader, and will be soon submitted for comments to the NSC. In agreement with the Project Leader, it has been decided that the coordination of the symposium will be under the responsibility of WP4. A Scientific Steering Committee for organizing the symposium will be set up after approval by the NSC. Foreseen results are the summary conclusions of the symposium with what the participants envision as the "roadmap" for the immediate future of taxonomic research, a proposal to NSC to set up thematic networks of experts (in collaboration with WP2) and a potential printed edited volume with the speakers’ contributions to the symposium.

A series of unfortunate misunderstandings on top of the other major problems already described led to the resignation of the WP4 Leader to the MNCN (CSIC) Director in November 30, 2006. The Project Leader meet the Director and two other researchers of the MNCN in Madrid in December 22, 2006 (New Milestone, M.4.0.0), and they agreed on the future directions of WP4 (see New Deliverable 4.0.0). Subsequent to this meeting, the director of the MNCN and the President of the CSIC did not accept the resignation of the WP4 Leader. This was communicated to EDIT BoD meeting (January 17, 2007) who accepted CSIC's decision. This problem caused an impasse of two months in the activity of the WP4, after which they were resumed normally.

#### 2.4.4 Lists of deliverables & milestones

**Table 1: Deliverables List**

Del. No.	Deliverable name	Workpackage no.	Date due	Actual/Forecast delivery date	Justification of delay/cancellation	Estimated indicative person-months *)	Used indicative person-months *)	Lead contractor
D4.1.2	Agenda for thematic EDIT meetings	WP4	Month 10-18	Cancelled	NSC decision as part of WP4 reconstruction.	3.5		4 - CSIC – MNCN
D4.2.0	Report of meeting in Madrid to re-define Activity 4.2 (20 February 2007)	WP4	New Deliverable	Month 11	N/A	0,5	0,5	4 - CSIC – MNCN
D4.2.1	Prototype of web platform for e-conferences	WP4	Month 4	Delayed to Month 20	Delayed for 2 <sup>nd</sup> JPA. Due to the reconstruction of WP4 and the plan to hire a Liaison Officer the use of e-Conferences was postponed.	3		4 - CSIC – MNCN
D4.3.1	Alertness Group established	WP4	Month 8	Cancelled	NSC decision as part of WP4 reconstruction.	4		4 - CSIC – MNCN
D4.3.2	Report of Workshop on Sound comparisons, DNA Bar-coding or from other workshop on a new perspective or other new tool	WP4	Month 14	Month 11	N/A	14	8	4 - CSIC – MNCN
D4.3.3	Thematic networks of experts committees established: European Network of Experts on Bioacoustics	WP4	Month 18+	Month 6 (one Network)	A first network of experts has been created as a result of deliverable D4.3.2 in month 14.	14	0,25	4 - CSIC – MNCN

Del. No.	Deliverable name	Workpackage no.	Date due	Actual/Forecast delivery date	Justification of delay/cancellation	Estimated indicative person-months *)	Used indicative person-months *)	Lead contractor
D4.0.0	EDIT WP4 Summary of the meeting At MNCN, Madrid, Spain 22 <sup>th</sup> December 2006	WP4	NEW Deliverable	Month 10	N/A		1	2 - MNHN + 4 CSIC – MNCN

**Table 2: Milestones List**

Milestone no.	Milestone name	Work-package no.	Date due	Actual/Forecast delivery date	Lead contractor
M4.2.0	Meeting in Madrid to re-define Activity 4.2 (February 20, 2007)	WP4	New Milestone	Month 11	4 - CSIC - MNCN
M4.2.1	Brainstorming e-conference completed	WP4	Month 8	Month 20	4 - CSIC - MNCN
M4.3.1	Alertness group set up	WP4	Month 6	Cancelled (NSC decision)	4 - CSIC - MNCN
M4.3.2	Workshop on new tool, or new perspective	WP4	Month 10	Month 6	4 - CSIC - MNCN
M4.3.3	Set up thematic networks of experts (in collaboration with WP2)	WP4	Month 12-17	Month 6.	4 - CSIC - MNCN
M4.0.0	Meeting in Madrid. Agreement for the re-definition of WP4. (December 22 2006)	WP4	New Milestone	Month 9	4 - CSIC + 2 – MNHN

## 2.5 Workpackage 5: Internet Platform for Cybertaxonomy: Tools, Sharing, Networking and Integration

**WP Leader:** Walter G. Berendsohn

**Partner n°:** 9 – FUB - BGBM

**Other partners involved:**

- 2 MNHN
- 4 CSIC - MNCN
- 5 UvA
- 9 FUB - BGBM
- 10 NHML
- 11 RBGK
- 12 SMNS
- 14 RMCA
- 16 MIZPAN
- 18 HNHM
- 19 CUB
- 20 IBSAS
- 21 INRA

### 2.5.1 Objectives

- General: (i) Creation of the Internet Platform for Taxonomy, oriented towards its practical use for revisionary taxonomy, biodiversity inventories and monitoring. (ii) Integration of the participants biodiversity informatics and IT resources.
- First 18 month period: Analyse the pre-requisites for the establishment of co-operative processes, model the information domain and particularly the work processes, and provide first practical applications in a rapid prototyping approach addressing identified bottlenecks.
- Activities 5.1 Management & Coordination commenced in March and September 2006 respectively. 5.2 started its operations in September 2006. 5.3 to 5.7 will commence in February 2007.

### 2.5.2 Progress towards objectives

#### Regarding DoW item 5.1 Integration of Informatics and IT departments; over-all WP5 coordination

##### 5.1.2 Document the internal decision making structures and IT resources

- First part of operation complied by Franck Dorkeld (INRA) but due to timing concerns has been transferred to Patricia Mergen (RMCA).
- As a consequence, deadlines for Deliverables 5.1.2.1-2 moved forward by 4 months (Month 12).

##### 5.1.3 Setting up an Informatics Committee

- The Information Science and Technology Commission (ISTC) held its first meeting on November 6<sup>th</sup> – 7<sup>th</sup>, 2006 (M5.1.3.1) at the BGBM and was attended by 14 EDIT institutions (BGBM, CUB, FUB, IB-SAS, INRA NBGB, HNHM, MNHN, MO, RBGK, RBINS (per proxy), RMCA, SMNS, UVA & non-EDIT RBGE).
- Preliminary harmonisation structure established (M.5.1.4.1).
- ISTC recommendations are outlined in ISTC report ([http://ww3.bgbm.org/EDIT/ISTC\\_Report](http://ww3.bgbm.org/EDIT/ISTC_Report)).

#### 5.1.4 Coordination of the Workpackage

The organisational structure of WP5, maintained by Agnes Kirchhoff and Marie Gebhardt (BGBM), is divided into three categories:

- **Finance:** Supervision of all WP5 personal, consumables, travel, accommodation and workshop expenses using the IMT tool.
- **Identification of EDIT participants:** Maintaining a check list of all WP5 start dates, progress reports and financial needs.
- **Adherence to WP5 Work Plan deadlines:** Ensuring that WP5 Deliverable and Milestone deadlines are achievable within the given deadlines.

WP5 coordination (BGBM) involves:

- **Planning:** The Draft WP5 18 month plan (Month 13 – 30) has been completed. Four new activities have been included into WP5, including restructuring of tasks, assignment of tasks, budget estimates and coordination with other workpackages
- **WP5 “Informal” Workshops:** Workshops not listed as Milestones or Deliverables are planned on a month to month basis. WP5 workshops are scheduled and attended by the WP5 coordinator in order to plan further activities in months 13-18 and to negotiate any changes to the existing WP5 plan. All changes are reported back to WP5 management.
- **Harmonisation with other EDIT WPs:** There has been regular contact with Leaders and Coordinators especially of WP2, WP6 and WP7 in order to synchronise Work Package Deliverables and deadlines as well as coordinate integrated activities such as testing platform components. So far there have been two meetings with WP6 and one each with WP2 and WP7 (see 5.1.5, 5.2.2 & 5.2.6)
- **Outreach:** Various meetings were used to propagate the ideas of EDIT and to muster support for EDIT's aims.

#### 5.1.5 Promote scientific standards and standard tools

- Scientific standards and standard tools for taxonomic databases and web editors have been discussed at an international conference and two workshops over the 12 month period:
  - WP5/7 Meeting held at BGBM to discuss the standardization of ATBIs (SMNS Häuser, Riede, BGBM Berdensohn, Güntsch, Döring & Ebach) in September 21st, 2006.
  - TDWG Conference St Louis – October 15<sup>th</sup> – 22<sup>nd</sup>, 2006
  - WP5/6 Meeting held at NHML to discuss taxonomic core standards for databasing (NHML Roberts, Scoble, Brake, RBGK, Mayo, Villalba, BGBM Ebach) – October 24th, 2006.
  - Internal WP5 BGBM meeting to discuss taxonomic and nomenclature standards used in databases – January 10<sup>th</sup>, 2007.

### Regarding DoW item 5.2 Creating the Internet Platform for Cybertaxonomy

#### 5.2.1 Modelling the work process for Revisionary Taxonomy and,

#### 5.2.2 Modelling the work process for ATBIs and Modelling

- The first in depth modelling the taxonomic work process was started in July 2006 by WP5 modeller David Taylor (RBGK).
- The WP5 developer team (5.2) have decided to standardize the interviewing process (Taylor – RBGK) and the software (Enterprise Architect) throughout the project (5.2.1, 5.2.2 & 5.2.7).

- First Modellers meeting held at BGBM (RBGK Jackson, Taylor; HNHM Gubanyi, Kilian; BGBM Berendsohn, Güntsch, Döring, Ebach) 22<sup>nd</sup> September, 2007, to discuss first preliminary model (D5.2.1.1).
- Second Modeller's meeting was held on January 22-23, 2007 to discuss the Draft functional mode for ATBIs (D5.2.2.1) and further developments to taxonomic flow model.
- WP5.2 HNHM in close collaboration with WP7 in order to determine future sites.
- Coordination between the taxonomic and ATBI modellers during October has resulted in the ATBI modeller Kilian (HNHM) adopting D. Taylor's interviewing and work flow strategy used in 5.2.1.
- The second modeller's meeting was held at RBGK (RBGK Jackson, Taylor; HNHM Gubanyi, Kilian; BGBM Berendsohn, Güntsch, Döring, Ebach) on the 22<sup>nd</sup> January, 2007.

#### 5.2.4 Identify suitable communication tools as platform components

This activity is scheduled to commence within the next 18 month period.

- A discussion paper explaining potential tools and their integration has been developed.
- A WP5.2 meeting held at the FUB (FUB Suhrbier & Tolksdorf) attempted to outline the requirements of taxonomists for the communication platform.
- A WP5.2 meeting was held at RBGK 23<sup>rd</sup> January, 2007 in order to assess the tools taxonomists use and to outline the communication platform as well as coordinating the WP5.7 activity with WP6.

#### 5.2.5 Identify suitable descriptive tools as platform components

This activity is scheduled to commence within the next 18 month period.

Note: WP5 has been presented with three complimentary descriptive tools.

- The *IdentifyLife* project (University of Queensland)
- *Xper2*: A project lead by Régine Vignes (MNHN) was presented at the ISTC meeting on November 7<sup>th</sup> and at TDWG St. Louis.
- Gregor Hagedorn (BBA) presented DeltaAccess and presented a detailed overview of the majority of existing descriptive tools.
- Website developed to review all existing taxonomic, descriptive and geographical tools.

#### 5.2.6 First steps towards implementation of the platform for Revisionary Taxonomy

This activity is scheduled to commence within the next 18 month period.

- A preliminary meeting between WP5 and 6 was held on August 8<sup>th</sup>, 2006 at the NHML (NHML Roberts, BGBM Ebach). discuss procedures to set-up a preliminary web based platform to host the Berlin Model via an XML mark-up system for taxonomic monographs.
- An informal workshop/demonstration was held on November 15<sup>th</sup>, 2006 for WP6 taxonomists (NHML Brake, RBGK Villalba) to familiarize themselves with the Berlin Model.
- A meeting had been held at the BGBM on 18<sup>th</sup> December between WP5 & 6 (NHML Roberts & Gonzalez) to discuss duplication of activities and a change in the WP6 work plan. A new working plan had been developed to counter any further duplication in operations.
- A further WP5 & 6 meeting was held at RBGK on the 23<sup>rd</sup> January, 2007 in order to coordinate activities with other non-EDIT projects (i.e. CATE).

### **Regarding DoW item 5.3 Virtual Library of Taxonomic Literature and Documentation**

*For further information regarding this Activity see 2.5.3*

#### 5.3.3 Development of Registry

A meeting held with WP5.3 participants on October 2<sup>nd</sup>, 2006 at NHML (NHML Thompson, Bernard Scaife & Ed Chamberlain) was productive in establishing the preliminaries a Statement of Requirement from which WP5.3 are able to assess the required tools and standards.

### Regarding DoW item 5.4 Geographical platform components

*For further information regarding this Activity see 2.5.3*

#### 2.5.3 Deviations from the project work-programme and corrective actions

D5.1.2.3, D5.1.2.1 & D5.1.2.2 as well as all deliverables and Milestones in WP5.2, WP5.3 and WP5.4 have been delayed due to later start times. **Only one deliverable has been completed in the first 12 month period (Month 0-11).**

##### *Communication*

The majority of delays not resultant of administrative or staffing problems are due to communication problems between EDIT partners. In order to alleviate this problem effectively, WP5 has implemented a list of Communication Rules.

##### *5.1.2 Document the internal decision making structures and IT resources.*

The process had been delayed considerably by administrative problems by 2 months due to communication problems (INRA). The operation was handed over to Patricia Mergen (RMCA) who completed the operation expediently by Month 12.

##### 5.3 Virtual Library of Taxonomic Literature and Documentation

Neil Thompson (NHML) has left his post as WP5.3 leader. Jane Smith (NHML) will continue this post in month 12 under a new and revise WP5.3 18 month plan.

##### 5.4 Geographical platform components

Due to industrial disputes no Work-packages, activities or operation in any CSIC institutions has begun. A new 18 month plan was developed and finalised at a WP5.4 meeting held at the BGBM on 13<sup>th</sup> February, 2007 (CSIC-MINCN Lobo, MIZPAN Posluszny, SMNS Lactif, RMCA Mergen & Gubanyi HNHM).

#### 2.5.4 Lists of deliverables & milestones

**Table 1: Deliverables List**

Del. No.	Former Deliverable No	Deliverable name	Workpackage no.	Date due	Actual/Forecast delivery date	Justification of delay/cancellation	Estimated indicative person-months *)	Used indicative person-months *)	Lead contractor
D5.2.1.1	N/A	Draft functional model and bottleneck report for revisionary taxonomy	WP5	Month 9	Completed Month 11	Interviewing process and feedback had taken longer than expected.	12,1	1	RBGK

De l. No .	For mer Deliver able No	Deliverable name	Workp ackag e no.	Date due	Actual/ Forecas t delivery date	Justification of delay/cancellation	Esti mat ed indi cativ e pers on-mon ths *)	Used indic ative perso n-mon ths *)	Lead contr actor
D5 .17	D5. 3.1. 1	Best practice review, including a survey of existing digital library activity, principles and standards	WP5	Month 11	Comple t Month 12	Delivered on time but sent back for further work due to insufficient data.	7,1	0	NHML
D5 .01	D5. 1.2. 1	Confidential report of internal IST decision making of 50% of EDIT partner institutions	WP5	Month 9	Comple t Month 18	INRA failed to adequately complete tasks. Deliverables moved to RMCA.	3,6	6	INRA => RMC A
D5 .02	D5. 1.2. 2 & D5. 1.2. 3	Documentation of internal rules for hardware and software and IST resources of 50% of EDIT partner institutions	WP5	Month s 9 & 7 respect ively	Comple t Month 18	INRA failed to adequately complete tasks. Deliverables moved to RMCA.	6,7	11	INRA => RMC A
D5 .04	D5. 1.3. 1	Documentation of internal rules for hardware and software and IST resources of remaining EDIT partner institutions	WP5	Month 8	Comple t Month 18	INRA failed to adequately complete tasks. Deliverables moved to RMCA.	39,8	4	INRA => RMC A
D5 .09	D5. 2.2. 1	Draft function model and bottleneck report for ATBI+M	WP5	Month 10	Comple t Month 14	Interviewing process and feedback had taken longer than expected.	13,1	14	HNH M
<del>D5 .10</del>	<del>D5. 2.2. 2</del>	<del>Operational function model for ATBI+M</del>	<del>WP5</del>	<del>Month 10</del>	<del>Comple t Month 17</del>	<del>Reason for delay: The interviewing activities had taken longer than expected.</del>			<del>HNH M</del>
D5 .31	D5. 4.2	Application for distribution maps	WP5	Month 11	Due Month 19	Reason for delay: Delayed hiring process at CSIC.	14,1		CSIC
D5 .33	D5. 4.3 & D5. 4.4	eConference on possibilities and drawbacks of modelling techniques	WP5	Month 8	Due Month 19	Reason for delay: Delayed hiring process at CSIC.	12	0	CSIC
D5 .42	D5. 4.1	Relevant European databases on environmental and biological data HTML compilation and link collection	WP5	Month 8	Due Month 19	Reason for delay: Delayed hiring process at CSIC.	14,6		CSIC
D5 .51	D5. 2.4. 1	Draft list of suitable communication/ workgroup tools for platform environment	WP5	Month 10	Comple t Month 14	Reason for delay: Delay in MNHN hiring process	8,5	2	MHN H

\* Numbering had been rearranged to include JPA-2 components.

**Table 2: Milestones List**

<b>Milestone no.</b>	<b>Milestone name</b>	<b>Work-package no.</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
M 5.1.3.1	Preliminary Informatics Committee constituted and first meeting held	WP5	Month 4	Month 8	9 – FUB – BGBM
M 5.1.4.1	Preliminary harmonisation structure established	WP5	Month 4	Month 8	9 – FUB – BGBM
M 5.4.3	First workshop on recognition of geographic gaps in information	WP5	Month 7	delayed – within next 18 months period	4 – CSIC – MNCN
M 5.1.3.3	Hardware and software for platform development environment circumscribed	WP5	Month 9	Month 25	9 – FUB – BGBM
M 5.4.1	Specification for generic mapping tool	WP5	Month 9	Month 24	4 – CSIC – MNCN

## 2.6 Workpackage 6: Unifying Revisionary Taxonomy

**WP Leader:** Dave Roberts

**Partner n°** 10 - NHML

**Other partners involved:** -09 FUB-BGBM  
-10 NHML  
-11 RBGK

### 2.6.1 Objectives

- Define and develop the means to provide access to the currently highly fragmented taxonomic information source.
- Formalise distributed, taxon-specific committees to lead expert networks for demonstrator taxa.
- Define what is needed from the cyber-environment for taxonomic Web content to be delivered.
- Assess barriers to implementation.

### 2.6.2 Progress towards objectives

Exemplar networks have been established in the insects (Insecta, 10 NHML), Monocotyledonae (11 RBGK) and Compositae (09 FUB-BGBM). These groups have selected targeted taxon groups of manageable size within each of these sub-domains, specifically the Milichiella (Diptera), the Palms (Monocotyledonae) and the Cichorieae (Compositae). The three groups are pursuing rather different strategies: the Insecta exemplar team are seeking to extend the number of groups covered by nucleating new networks, the Monocot exemplar team are focusing on the Monocot checklist and providing an information-rich web site with which to attract a broader community and the Compositae exemplar team are seeking to establish a larger functional network to assemble a revisionary web site. These activities address aspects of all the workpackage formal objectives.

The workpackage has created a mechanism to offer taxonomic scratchpads to the taxonomic community. Scratchpads are simply a web site equipped with a suite of standard tools that a community may use to facilitate cooperative working, to share common information resources (e.g. bibliographies) and to experiment with web-based taxonomy in whatever manner the community deems useful. These sites are installed and supported by WP6 (10 NHML), but the content and management are left to the user community. Further, the sites are not “branded” or otherwise constrained by structure so that the community can develop its own distinctive style. This activity addresses the latter three formal objectives.

An overall work plan has been developed around taxonomic information management and is currently being used as the basis for discussion with WP5 to establish areas of responsibility and to facilitate collaborative working.

### 2.6.3 Deviations from the project workprogramme and corrective actions

WP6 found it necessary to recruit an IT assistant (in place of a coordinator) to enable it to meet its deliverables, specifically the demonstration web sites D6.2. This proved to be a difficult recruitment on the available salary and the only suitable candidate was late starting due to work permit difficulties. Worse, within 48 hours of arriving in the UK a family medical emergency obliged him to resign and return to his native Canada. We have since been fortunate in appointing a temporary assistant for 3

months while we recruited a replacement, who starts in April. We have further recruited another short-term person (from Month 12 – 14) to bring the workpackage back on track before or key deliverables due in Month 18.

Milestones 6.2 Workshop for demonstrator taxa to explore commonalities in content structure (Month 8); 6.4 Workshop to discuss content structure and Web-interface (Month 9). Delays in the appointment of an IT specialist to assist the workpackage leader delayed the development of a coherent strategy on which to proceed. The two planned workshops have been re-scheduled for Month 13.

Milestone 6.3 Workshops for taxonomic expert networks to elect committees and task forces (Month 8 & 10). This unfunded workshop was not considered necessary because the exemplar groups have not approached the formation of networks in such a formal manner.

Deliverable 6.2 Preliminary websites set up for demonstrators and guidelines for data creators to interface. This is again more formal than is likely to happen in practice. One site has been created using a web content management system (Drupal), one is a bespoke construction using new code and one is under consideration.

Deliverable 6.3. Exemplar networks and committees created and their roles defined. The exemplar communities are being developed, but it is not yet clear that they will formalise into a committee structure with a definable role.

Milestone 6.6 Workshop on web publication issues and IPR (Month 12). This workshop has been delayed pending the appointment of the IPR specialist in WP5. The WP leader has attended a training course in copyright.

#### 2.6.4 Lists of deliverables & milestones

**Table 1: Deliverables List**

N/A

**Table 2: Milestones List**

Milestone no.	Milestone name	Work-package no.	Date due	Actual/Forecast delivery date	Lead contractor
M6.1	Identify leaders and core taxonomists for demonstrator taxa	Month 1	Month 6	Month 6	10 – NHM
M6.2	Workshop for demonstrator taxa to explore commonalities in content structure	Month 6	Month 8	Month 13	10 – NHM
M6.3	Workshops for taxonomic expert networks to elect committees and task forces	Month 6	Month 8 & 10	abandoned	10 – NHM
M6.4	Workshop to discuss content structure and Web-interface	Month 6	Month 9	Month 11	NHML, FU-BGBM

## 2.7 Workpackage 7: Applying Taxonomy to Conservation

**WP Leader:** Christoph Häuser

**Partner n°** 12 - SMNS

**Other partners involved:**

- 2 MNHN
- 4 CSIC
- 5 UvA
- 9 FUB-BGBM
- 10 NHML
- 13 RBINS
- 16 MIZPAN
- 19 CUB
- 22 SMEBD

### 2.7.1 Objectives

Within the framework of EDIT, the ultimate objective is to overcome the taxonomic impediment, to which this WP will particularly contribute by:

- Objective 1: Strengthening the input of taxonomic expertise in Europe for biodiversity conservation programmes and policies, especially for inventories, assessments, and monitoring of biodiversity.
- Objective 2: Integrating user needs for taxonomic expertise from the conservation management side with research agendas for biosystematics and biogeography from leading European centres of excellence.
- Objective 3: Further developing and promoting standards, techniques and methodologies for state of the art and cost efficient biodiversity assessments including a new approach for an "All Taxa Biodiversity Inventory & Monitoring" (ATBI+M) programme, it will help to establish a European expert task force for undertaking and supporting biodiversity inventories, assessments, and monitoring activities.

We started with the organisation of ATBI+M activities, particularly calls for site selection and subsequent workshops. These activities catalysed cooperation of taxonomists, contributing to objective 1.

### 2.7.2 Progress towards objectives

*- Activities for European and Extra-European ATBI site selection:*

- Call for site proposals (12.1.2006)
- Workshop held in Stuttgart (22-25<sup>th</sup> May 2006) to discuss proposals, methodology and cooperation (including participation of other networks: MARBEF, ALARM, LTER)
- Questionnaire circulated within EDIT network (30 May 2006)
- Setting up a database with questionnaire results, including expressions of interest from taxonomists (mainly from EDIT network)

These activities strengthened taxonomic contributions for biodiversity conservation (objective 1) (Main participants involved: 2 MNHN, 4 CSIC, 5 UvA, 9 FUB-BGBM, 10 NHML, 12 SMNS, 13 RBINS, 22 SMEBD, 16 MIZPAN, 19 CUB).

*- First pilot trips to candidate sites:*

- Pilot visits to National Parks (NP) and Protected Area candidate sites in Georgia, Macedonia, Spain, Germany and France.
- Testing of databases and geo-referencing procedures in the field

Pilot visits to candidate sites, will help to reach objective 1 (Strengthening taxonomic input), the understanding of user needs (Objective 2), as well as further developing and promoting standards, techniques and methodologies (Objective 3).

*- First ATBI activities with SANTO project:*

EDIT is one of the sponsors of the SANTO project (funding equivalent of 8 scientists from WP7), mobilised synergies inside and outside of the EDIT partnership and will provide first species lists for a wide spectrum of groups (Involved contractors: 2 MNHN, 12 SMNS, participants from 2 MNHN, 12 SMNS, RBINS and other institutions which are not forming part of the EDIT network).

This cooperation is a first test for usability of a suite of standards, techniques and methodologies (Objective 3).

*- Setting up the ATBI website and preparation of ATBI database:*

- Registration of a database server (MySQL/php) using the State Belwue infrastructure ([www.atbi.naturkundemuseum-bw.de](http://www.atbi.naturkundemuseum-bw.de)).
- Launching the WP7 subsite at <http://wp7.e-taxonomy.eu/>
- Development of a relational database model for field data entry
- Development of Unique Identifiers for specimens
- Prototyping workflow for collection, identification and databasing of specimens/records
- Examination of GBIF compatibility of prototype database and test data sets (with WP5 – 9 FUB-BGBM)

Timely and web-based publication of ATBI primary data is a pre-requisite to make taxonomists' efforts accessible for conservationists (Objective 1) and an important step towards integration of user needs (Objective 2). Standardised and rapid data processing is needed to make biodiversity inventories feasible (Objective 3).

*- Preparing drafts for Terms of Reference for ATBI participants (TORs) and Memoranda of Understanding with ATBI sites authorities (MoUs):*

TORs have been disseminated among scientists, and an MoU with Mercantour National Park (France) is prepared for signature.

### **2.7.3 Deviations from the project workprogramme and corrective actions**

Some deliverables were postponed, mostly for technical reasons:

-D7.2 will be delayed for 3 months, to integrate results from the 2<sup>nd</sup> WP7 workshop in Stuttgart (March 2007).

-D7.3 was delayed for 8 months, to consider advise of the SAC and BOD. In particular, our activities in Georgia were questioned by the SAC and BOD, so that our draft agreements had to be adapted to our present candidate site in Mercantour/Alpi Maritime. The latter is more complicated, because it is a bi-national park, so that 2 agreements have to be made.

-D7.4 will be delayed for 4 months for the same reason: we had sites in Georgia, Macedonia and France/Italy as top priorities, but waited for the SAC and BOD to approve our selection. The respective questions, suggestions and discussions delayed our process of establishing a site (now: Mercantour). In any case, the delay does not affect the progress, because activities will start earliest in spring 2007. A MoU with Mercantour/Alpi Marittime is nearly finalised and might be ready for signature in March 2007, at our next Stuttgart workshop.

#### 2.7.4 Lists of deliverables & milestones

**Table 1: Deliverables List**

Del. No.	Deliverable name	Work package no.	Date due	Actual/Forecast delivery date	Justification of delay/cancellation	Estimated indicative person-months *)	Used indicative person-months *)	Lead contractor
D7.1	Workshop report for conservation area managers and stakeholders	WP7	Month 5	Month 7	N/A	4	4	12 – SMNS
D7.2	Inventory and monitoring needs & capacity assessment	WP7	Month 11	Month 20	The capacity of ATBI+M interested taxonomists is assessed. Analysis of inventory/monitoring needs from offered sites is still ongoing, but available soon. Postponement was caused by delays in site selection process and establishment of first European sites (see below, D7.4).	5	7	12 – SMNS
D7.3	Agreements for participation in ATBI+M task force and for operation of ATBI+M pilot sites	WP7	Month 6	Month 14	These deliverables are available: the Terms of Reference for Participation, and the Memorandum of Understanding.	6	5	12 – SMNS
D7.4	Establishment of at least two ATBI+M pilot sites in Europe	WP7	Month 10	Month 22	The first ATBI+M site is established since April 2007, and field work is already ongoing. Preparations for a second European site are under way, with expected agreements in place by end 2007. Delays were caused by late start during first year, and re-focussing of site selection due to SAC and other advice/input.	9	7	12 - SMNS
D7.8	EDIT ATBI+M website established	WP7	Month 5	Month 3	N/A	1	2	12 – SMNS

**Table 2: Milestones List**

<b>Milestone no.</b>	<b>Milestone name</b>	<b>Work-package no.</b>	<b>Date due</b>	<b>Actual/Forecast delivery date</b>	<b>Lead contractor</b>
M7.2	Call for tender for establishment of ATBI+M pilot sites in Europe	WP7	Month 4	Month 1	12 - SMNS
M7.3	Workshop for taxonomic assessment teams for ATBI+M sites	WP7	Month 10 –12	Month 12	12 - SMNS

## 2.8 Workpackage 8: Training and Public Awareness

**WP Leader:** Jackie Van Goethem

**Partner n°** 13 - RBINS

**Other partners involved:**

- 2 MNHN
- 3 UKBH
- 4 CSIC-MINCN
- 5 UvA
- 6 NHN
- 9 FUB-BGBM
- 11 RBGK
- 13 RBINS
- 14 RMCA
- 19 CUB
- 20 IBSAS
- 21 INRA
- 24 BINRAS
- 25 ZINRAS
- 27 USNM

### 2.8.1 Objectives

General:

- Transfer knowledge between current and future generations of taxonomists;
- Spread this knowledge by reorganising the training offer in Europe and establishing an integrated training programme (DEST: Distributed European School of Taxonomy).

First 18 months:

- Assess European strengths and weaknesses in the current offer of training in taxonomy;
- Encourage greater use of existing training courses and investigate new training opportunities;
- Develop student and professional access to the DEST and provide opportunities for training.

### 2.8.2 Progress towards objectives

#### Regarding DoW item 8.1 Assessment of the training resources for taxonomy in Europe

D8.1.1 Catalogue of existing training resources for taxonomy in Europe (Month 15): *task ongoing*

D8.1.2 Gap analysis on training resources and needs in Europe and globally, with recommendations on priorities (Month 15): *task ongoing*

*State of the art:*

The gathering of training resources has been conducted combining several approaches

1. Inquiry on existing lists of training courses;
2. Questionnaire to collect additional training resources along with information to be used for the gap analysis;
3. Direct contact via e-mail to gather additional information from training providers identified by different means like: websites, recommended by third parties, incomplete answers to the questionnaire;
4. Face to face interviews at partners institutions;

5. Inquiry on existing review reports and gap analysis to be used as references and comparisons for the EDIT gap analysis.

#### Activities

- a preliminary list of training resources at EDIT partner institutions has been compiled during the evaluation of the EDIT project proposal (*i.e.* anno 2005),
- a request was sent to the team leader list for existing training lists, reviews and gap analysis.
- partner 20 IBSAS sent a complete list of training resources in Slovakia,
- information on ERASMUS courses in taxonomy, coordination with SYNTHESYS NAC for training in collection management, exploration of Marie Curie funding mechanisms by other partners are under evaluation
- the questionnaire is since December 2006 on the EDIT website and was also disseminated via mailing lists and discussion groups.

The questionnaire addresses the following points

0. Contact information → coordination with EDIT WP2 (training providers = experts)
1. Training resource
2. Teaching staff
3. Type of training → academic/non academic, target audience
4. Content of the training
5. Available training material
6. Rating of the training → will be kept confidential upon request of several partners
7. Free comments about the training

On 19 February 2007 the number of answers is 198 of which about 140 are exploitable.

First preliminary results (these results will need to be refined and controlled for the final gap analysis and taking into account the information on training resources gathered by other ways than the questionnaire, see above) :

- training providers 75 % male and 25 % female (this question was asked specifically to provide information to EDIT Gender Action Plan)
- 70% of the respondent do it independently and not in the name of their institution
- 98% accept to be re-contacted for further details or actions
- 41% of the courses involve registration fees or other payments
- 70% of the reported courses are given on regular basis
- 55% target national audience mainly
- 54% are given in an academic context
- 60% are at master level; followed at 45 % at PhD level
- 90% include lectures
- 77% are funded nationally
- 49% taxonomy is the main part, but not the exclusive focus of the course
- 60% cover also the study of nomenclatural rules
- 55% target one or several taxon groups specifically
- 65% have a global geographical range
- 51% cover only the morphological approach, 44% both morphological and molecular approach, only 2.5% cover the molecular approach alone
- 56% make use of the web to search for taxonomical information
- 90% of the cases training material is available
- 70% of the courses (demonstration material like specimens are used)
- 64% of the courses PowerPoint presentation are available
- 83% of the courses the material is only available to the participants of the courses.
- 9% of the respondents are “ students”, most are training providers themselves or co-organisers
- 52% of the respondents judge the courses relatively well established, but may be subject to changed in the future

- 51% judge collaboration in the framework of EDIT as very relevant
- 49% of the respondent judged the courses as of high quality and 46 % as useful
- 94% reported to have used in their activities what they have learnt at the courses

WP8 interviews conducted in the framework of activities in WP5 resulted in a considerable number of additional training resources (e.g. NHN Leiden: 20 additional resources).

The answers to the questionnaire, the additional lists and the results of the personal contacts are in a relational database and the collected information will be used for the gap analysis due for month 15. The information will also be used to make an online catalogue (Month 18). We intend to collaborate with WP1, WP2 and WP5 for this task.

An event in Belgium is in preparation by the Royal Belgian Zoological Society and Universities to present the new master programs in biology consecutively to the Bologna reform. It has been suggested to associate EDIT to the organisation of this event to yield more information on taxonomy related courses at the Universities. This initiative will be presented at the WP2 event in Bratislava as a use case on how to involve taxonomic societies in EDIT.

### **Regarding DoW item 8.2 Mobilisation of European training providers into EDIT's School of Taxonomy**

D8.2.1 Strategy for mobilising training providers (Month 12): *task started*

D8.2.2 Committee of training providers willing to participate in the DEST and discuss the process of integration (Month 15): *completion depending on upcoming results of 8.1*

D8.2.3 Draft model course prospectus agreed upon by the training providers mobilised into the School of Taxonomy (Month 18): *completion depending on establishment of 8.2.2.*

#### *State of the art:*

- Elaboration of a strategy for mobilising training providers into EDIT's European School of Taxonomy
  - draft document exists and will soon be submitted to Network Office for approval before it is being distributed to potential training providers
- Identification of training providers interested in participating in the DEST
  - progress of this activity is related to upcoming results of questionnaire on training resources and providers

### **Regarding doW item 8.3 Establishment of pilot schemes for integration**

D8.3.1 Evaluation report on the taxon-oriented pilot course (Month 18): *task started*

D8.3.2 Evaluation of the pilot expert-in-training programme (Month 18): *not yet started*

#### *State of the art:*

- EDIT partners have transmitted us former ERASMUS and Marie Curies proposals (successful and aborted) as example of funding mechanisms.
- Participation to the launch of the FP7 program, during which new Marie Curie opportunities were presented. Discussion with EU National Focal Points on concrete options and collaborations with universities were conducted.
- Contacts were made with the group that organised the workshop on Sound Libraries in EDIT WP4. The training resources in Sound Libraries and the potential organisation of a Summer Course are in the agenda of this sub-group (Point 11 of their Manifesto : "11. To offer training and education in methods of bioacoustics research, in sound recording and in sound preservation, by means of summer schools or distance learning.")
- Contacts were made with WP5: At the EDIT WP5 workshop kick-off meeting, we proposed to be the link between WP5 and WP8 for the informatics part of the training components in taxonomy. We suggested to WP5 and WP8 leader to coordinate for a future e-learning facility in line with the cyber

taxonomy platform, to identify reliable tools to be included in the EDIT training courses schema (like GBIF specimen collections georeferencing workshop, [www.herpnet.org](http://www.herpnet.org), XPER<sup>2</sup> descriptive tools, other GBIF and TDWG initiatives ...).

- Contacts were made with WP7 ATBI+M for a Summer school programme which will combine theoretical taxonomic courses and taxon oriented practical training in the field.

NBGB and RMCA have made following proposition for a taxon-based pilot course:

- Introduction to taxonomy (both descriptive and molecular approach)
- How to write a monograph by using flagship and rather unambiguous examples:
  - *Coffea* (Rubiaceae, Coffee family) at genus level (with the help of NBGB specialists)
  - *Afropavo congensis* (Congo Peacock) at species level (with the help of RMCA specialists)
  - Illustration by some more ambiguous examples where classification was historically unsure even at Kingdom level. Myxomycete/Myxozoa has been suggested.

The idea is to have a general canvas for the pilot course, which should have the characteristics of being easily adaptable to other subjects or other taxa, according to the training provider's expertise. It is envisaged to publish the results in the form of a volume in the ABC Taxa series, which can then be used as durable training material. The content of ABC taxa publications is also freely available online, which matches the EDIT Philosophy.

[http://www.biodiv.be/cooperation/gti\\_coop/abctaxa](http://www.biodiv.be/cooperation/gti_coop/abctaxa) .

### ***Current situation***

After discussions and brainstorming, most of these propositions were considered as either premature in the timeline of WP8 workplan, unrealistic to achieve with available time and resources or out of the scope of EDIT.

According to the JPA planning and new activities for the next 18 months following activities are retained or planned:

- collaboration with WP5 for geographic training courses for curators;
- organisation of a summer school programme in collaboration with WP7 at one of the selected European ATBI sites.

### **2.8.3 Deviations from the project workprogramme and corrective actions**

RMCA (8.1) and NBGB (8.3) started their activities in Month 0. RBINS (8.2) started task 8.2 in Month 3 due to the recruitment of EDIT personal not before June.

At the moment, information on the results of task 8.1 (a.o. information on training providers and training courses) is being compiled and we are still expecting more results in the forthcoming weeks. For tasks in 8.2, continuation of the work depends largely on the results obtained in 8.1.

#### Corrective actions:

In 8.1 a new deliverable D.8.1.3 On-line catalogue of training resources for taxonomy (Month 18) is planned. This catalogue will be regularly updated with new information.

In 8.2 the deliverables D8.2.2 Committee of training providers willing to participate in the DEST and discuss the process of integration (Month 12) and D8.2.3 Draft model course prospectus agreed upon by the training providers mobilised into the School of Taxonomy (Month 18) have been delayed and changed to respectively M8.2 First Meeting of committee of training providers willing to participate in the DEST (Month 20) and D8.2.2 Report on the elaboration of a draft course prospectus for the DEST (Month 19).

As recommended by SAC and BoD, the development of a Summer school programme in 8.3 will add a special value to the DEST. This new activity will also serve as a flagship initiative to increase the student's interest in taxonomy and raise the awareness of the general public.

The Summer school programme will combine theoretical taxonomy courses and taxon oriented practical training in the field. In view of this, the taxon-oriented pilot (8.3.1) is merged with the Summer school programme course and focus will be general topics on taxonomy and field related items. The Summer school activities will be linked with WP7 ATBI+M.

As a consequence the deliverable D8.3.1 Evaluation report on the taxon oriented pilot course (Month 18) is merged with the new deliverable D.8.3.2. Outline and curriculum for first "Summer school" training course(s) at European ATBI+M pilot sites (Month 21).

Concerning the pilot expert in training programme (8.3.2), which will be operational in Month 18, the deliverable D8.3.2. Evaluation of the pilot expert in training programme for Month 18 is corrected. As this course is a traineeship for several months, the report cannot be delivered in month 18 but will be delivered in Month 26.

A lot of time has been spent on administration (mailing on exchange of information, reporting, IMT etc.) not all efforts can be put on the performance of specific WP8 tasks. In the planning for the next 18 months (month 11 to month 29) all effort will be done to speed up the delivery of tasks of the work programme.

#### **2.8.4 Lists of deliverables & milestones**

N/A

## Section 3 – Consortium Management

### 3.1. Consortium management tasks and their achievement

Reporting and JPA planning were very slow, and even late regarding the latter, in spite of repeated reminders from the Network Office, due to the lack of experience of partners and WP leaders. This results in overall underspending during the first reporting period. Better and faster involvement will take place in the next period, upon experience of the foreseeable financial task overload as a result of this negligence.

The financial follow-up is ensured by the IMT (Informatics Management Tool) managed by partner 1 CDC. Experience showed that partners and researchers are very reluctant to adapt to this system of registration for time and expenditure sheets on line, which however proves very efficient when properly filled for follow-up and reporting. The Network Office had to invest a very important time in explanations, writing manuals, etc (downloadable on members area of the EDIT website), in explanations and help, resulting in progressive improvement in partners involvement.

The most general problem encountered during the first year has been delays in implementation, starting with signature of the contract and transfer of funds. This is progressively overcome.

Generally speaking the need for intensive internal communication has been underestimated in the start, except in those WPs which organized from the start numerous meetings and intense bilateral communications. As described above, the newsletter and the websites started improving this. In the next period, more and longer meetings are planned including a general meeting, but this has a direct effect on the budget. Since then, the management tasks are mainly directed at giving attention to mutual interdependencies between workpackages and activities (partly also outside EDIT).

Finding competent persons to be appointed as network personnel, or replacing key persons which unexpectedly left has brought some difficulties. However, all problems were solved within the first year (mostly before 2007), so that the work runs now smoothly (WP1, WP3, WP6...).

#### **WP5 and 6**

WP5 management has successfully integrated all activities due to intensive and regular meetings between all EDIT partners involved in WP5 and 6. The achievements of WP5 coordination has been in its timely recognition of communication problems. During the first 12 months of the project it has become obvious that there are critical communication problems with WP5 partners, namely INRA and NHML as well as WP6 management. These problems have been resolved in the following ways. Franck Dorkeld, in charge of D5.1.2.3, D5.1.2.1 & D5.1.2.2) has been replaced by Patricia Mergen (RMCA). WP5 has met WP6 on several occasions in order to coordinate activities. Due to a shift in WP6's direction there has been considerable duplication of efforts that are now being addressed. In WP6, the development of the taxonomic networks would benefit from more face-to-face meetings and small focussed workshops. These cannot be funded from the current budget.

#### **WP7**

A discussion on site selection procedures, selected sites and title of the Workpackage started at the first SAC meeting. Corrective actions and reply from WP7 were discussed during the BoD meeting in January 2007. There was broad consensus on the bi-national site Mercantour/Alpi Marittime, which not only includes France, but will also integrate Italy. Because the EDIT network does not have an Italian member institution, the problem of integrating additional partners in the future was addressed and will be investigated as part of the future workplan (2<sup>nd</sup> JPA) in cooperation with WP1. The SAC

criticized the title of WP7. Alternative titles will be discussed via email and at a forth-coming workshop, together with other important issues such as the integration of marine sites.

### 3.2. Comments regarding contributions, changes in responsibilities

Globally partner 4 CSIC, WP4 leader, has been defaulting the first 9 months, leading to a crisis which has been solved through decisions of the Board of Directors: restructuring of the WP, evaluation of the progress by the next SAC meeting and report to the BoD in June 2007.

Other changes are minor. **In WP5**, INRA (partner 21) has stepped down as a WP5 participant due to the tardy and incomplete documentation for three deliverables. RMCA has taken up the tasks previously assigned to INRA.

In general, many partners have been underspending, partly due to delay in funds transfer from the EC (done month 6).

### 3.3. Information on co-ordination activities

#### WP1

Coordination/ cooperation with other Biodiversity NoEs, in particular Alter-net and Marbef, has been looked for through, inter alia, participation of the coordinators of these NoEs to the EDIT Scientific Advisory Council. Advice from these NoEs in view of further collaboration of partners has been sought when relevant, in particular in WP7 regarding pilot inventory sites and their relation with LTERs (Alternet) and marine sites (Marbef).

Another important coordinated activity is the elaboration of the project for LifeWatch, a very large distributed information infrastructure for Biodiversity Research selected by the ESFRI for FP7, through participation of biodiversity EU networks coordinators in the LifeWatch interim steering committee.

As stated above, internal communication is ensured through the coordinated websites (<http://www.e-taxonomy.eu>); presently the central web site gets only 7000 hits/months after four months, but this rate did not increase the last two months, implying the need for a revision of the contents. The newsletter will still improve internal communication and awareness of integrated actions. Workshops planned should also help integration by helping constituting research groups aiming at building up fundable research projects.

#### WP2

**Regarding Conference for existing taxonomic networks and societies (Milestone M2.3)** - As basis for further preparations, a draft outline agenda was settled at a meeting in Copenhagen November 9<sup>th</sup> between WP2 leaders Henrik Enghoff and Isabel Calabuig, and Edo Stloukal (WP2 DoW item 2.3) and Yde de Jong (Liaison with WP3), and presented briefly at the EDIT SAC meeting of November 14 2006.

**Regarding DoW items 2.1 & 2.2 (Information services on taxonomic experts & projects)** -

Contact has been established with SYNTHESYS network activity B in order to avoid duplication of work between WP2 information service on experts and SYNTHESYS inventory of complementarity of expertise at the institutional level. Furthermore, activities of WP2, 3, 4 and 8 are being closely synchronised so as to combine efforts and to avoid bothering the same group of experts more than once in asking for e.g. contact information. Work in WP2 is to a large degree planned to accommodate information on experts needed in WP 6 and 7 and collaboration takes place regarding planning of meetings and workshops that share objectives between WP2, 6 & 7.

**WP3**

- May, 17, 2006, Meeting with the Executives of the Consortium for the barcoding of Life (EDIT: Freek Bakker, Pedro Crous, Wouter Los, Richard Summerbell)
- May, 22-25, 2006, Stuttgart: *Presenting EDIT WPs2&3 at ATBI workshop* [Yde de Jong]
- Juni 28-29, 2006, Paris: *EDIT kick-off meeting* [several WP 3 partners]
- September 15, 2006, Meeting with the chair of EDIT Scientific Advisory Committee to discuss "Stakeholder mapping" (Barcelona).
- October 23, 2006, Oostende: *VLIZ/ERMS preparatory meeting* [Edward van der Berghe & Yde de Jong]
- October 30, 2006: *SpeciesBase proposal writing meeting* [Edward van den Berghe, Walter Beredsohn & Yde de Jong]
- November 7, 2006, Berlin: *Euro+Med PlantBase preparatory meeting* [Eckhard von Raab-Straube, Anton Guentsch, Eduard Stloukal & Yde de Jong]
- November 9, 2006, Copenhagen: *WPs2&3 management meeting* [Isabel Calabuig, Henrik Enghoff, Eduard Stloukal & Yde de Jong]
- November, 13-14, 2006 EDIT Network Steering Committee
- November 27, 2006, Kew: *Biodiversity ToolBox preparatory meeting* [Vincent Savolainen, Rich Grenyer & Yde de Jong]
- November 28, 2006, London: *ZooBank & NHM visit* [Yde de Jong]
- January, 9, 2007, Meeting to discuss developemnt of the DNA-barcoding coodinating activities in EDIT. (Amsterdam, Simon Tillier, Pedro Crous, Urula Eberhardt, Wouter Los).
- Februari, 19, 2007 EDIT Network Steering Committee
- January 31, 2007, Amsterdam: *FP7 pre-proposal preparatory meeting* [Yde de Jong, Thierry Bourgoïn]
- March 25-26, 2007, Smolenice: *Joint WPs2&3.2 expert meeting.*
- March 28-29, 2007, Smolenice: *Focal point meeting.*

**WP5**

WP5 had met with the following EDIT partners:

- WP5.1: The Information Science and Technology Commission (ISTC) held its first meeting on November 6<sup>th</sup> – 7<sup>th</sup>, 2006 (M5.1.3.1) at the BGBM and was attended by 14 EDIT institutions (BGBM, CUB, FUB, IB-SAS, INRA NBGB, HNHM, MNHN, MO, RBGK, RBINS (per proxy), RMCA, SMNS, UVA & non-EDIT RBGE).
- WP5 & 7 Meeting held at BGBM to discuss the standardization of ATBIs (SMNS Häuser, Riede, BGBM Berdensohn, Güntsch, Döring & Ebach) in September 21st, 2006.
- WP5 BGBM attended the TDWG Conference St Louis – October 15<sup>th</sup> – 22<sup>nd</sup>, 2006
- Internal WP5 BGBM meeting held on January 10<sup>th</sup>, 2007.
- WP5.1: First Modellers meeting held at BGBM (RBGK Jackson, Taylor; HNHM Gubanyi, Kilian; BGBM Berendsohn, Güntsch, Döring, Ebach) on 22<sup>nd</sup> September, 2007.
- WP5.1: Second Modeller's meeting (RBGK Jackson, Taylor; HNHM Gubanyi, Kilian; BGBM Berendsohn, Güntsch, Döring, Ebach) was held on January 22-23, 2007 at RBGK.
- WP5.2 meeting held at the FUB (FUB Suhrbier & Tolksdorf, BGBM Güntsch, Döring & Ebach) attempted to outline the requirements of taxonomists for the communication platform.
- WP5.2 meeting was held at RBGK 23<sup>rd</sup> January, 2007 (RBGK Jackson, Taylor; HNHM Gubanyi, Kilian; BGBM Berendsohn, Güntsch, Döring, Ebach).
- WP5.3 meeting held at NHML on October 2<sup>nd</sup>, 2006 at NHML (NHML Thompson, Bernard Scaife & Ed Chamberlain, BGBM Ebach).
- WP5.4 meeting held at the BGBM on 13<sup>th</sup> February, 2007 (CSIC-MINCN Lobo, MIZPAN Posluszny, SMNS Laetif, RMCA Mergen & Gubanyi HNHM, BGBM Berdensohn, Güntsch & Ebach).
- WP5 & 6 Meeting held on October 24th, 2006 at NHML (NHML Roberts, Scoble, Brake, RBGK, Mayo, Villalba, BGBM Ebach).

-WP5 & 6: A preliminary meeting between WP5 and 6 was held on August 8<sup>th</sup>, 2006 at the NHML (NHML Roberts, BGBM Ebach).

-WP5 & 6: An informal workshop/demonstration was held on November 15<sup>th</sup>, 2006 for WP6 taxonomists (NHML Brake, RBGK Villalba, BGBM Berdensohn, Güntsch, Döring & Ebach).

-WP5 & 6 meeting held at the BGBM on 18<sup>th</sup> December (NHML Roberts & Gonzalez, BGBM Berdensohn, Güntsch, Döring & Ebach).

-WP5 & 6 meeting held at RBGK on the 23<sup>rd</sup> January, 2007 (NHML Roberts & Gonzalez, BGBM Berdensohn, Güntsch, Döring & Ebach).

WP5 met with the following non-EDIT partners to discuss possible coordination activities:

-The *IdentifyLife* project (University of Queensland)

-Gregor Hagedorn (BBA) presented DeltaAccess and presented a detailed overview of the majority of existing descriptive tools.

-CATE (publication platform) coordinated by Ben Clarke (Oxford) at RBGK on the 23<sup>rd</sup> January, 2007.

## WP6

Meetings between WP5 and WP6 have been taking place to establish a common understanding of the practical meaning of the DoW. Similar activities are planned for WP2, WP3 and WP7. These meetings are of greatest benefit when done in person and this is putting considerable strain on the travel budget available in the first tranche.

## WP7

There was intense cooperation with WP5, with respect to modelling ATBI workflow and ATBI database design. A WP7 website was established (see above), and modern web tools (e.g. for a) will be used to improve communication among partners, ATBI participants and important stakeholders (National Park managers). An on-going stakeholder mapping will focus on the first selected ATBI site(s) and probably contribute to clarify procedures and scope for WP7, particularly with respect to 2010 target (Halt of Biodiversity Loss). A summer school at an ATBI site is planned in 2008, in cooperation with WP8, and forms part of the second JPA.

## WP8

*Cooperation with other WPs:*

-WP1: 13 RBINS/14 RMCA/15 NBGB: Participation in BoD, NSC. Teamleader tasks, administrative reporting, financial reporting, Comments on e-taxonomy.net website features.

-WP2: 13 RBINS/14 RMCA/15 NBGB: Coordination between experts lists and training providers lists, involvement of Taxonomic Societies like the Royal Belgian Societies of Zoology and Botany.

-WP3: 13 RBINS/14 RMCA/15 NBGB: Answer of questionnaires on infrastructure and barcoding

-WP4: 14 RMCA : Participation to the workshop on Sound libraries, 13 RBINS/14 RMCA/15 NBGB: answering the questionnaire on barcoding.

-WP5: 14 RMCA/15 NBGB: Participation to the ISTC committee. 14 RMCA: Interviews of IT resources and Decision Making, contribution to Geospatial Platform Components.

-WP6: 14 RMCA/15 NBGB: comments on posted e-mails, express interests in participation and in hosting of WP6 taxon oriented modeling workshops.

-WP7: 13 RBINS/14 RMCA/15 NBGB: Participation to ATBI site selections meetings in and outside Europe. 14 RMCA: presentation of standard method for qualitative versus quantitative fish samplings in Lakes.

*Cooperation with other programs International projects:*

-TDWG (Taxonomical Database Working Group)

- Herpnet project, Berkeley, University of California: Georeferencing of Natural Science Specimens (funded by GBIF DIGIT Seed Money Award)
- SYNTHESYS (Mainly Network Activity C and D): Trainings for collection managers and Geospatial components.
- Fishbase: RMCA is part of the FishBase Consortium and responsible for the fresh-and brackish water fishes of Africa.
- Paul Broca II (EU FP6 NEST project): RMCA WP 1 leader (includes aspects of 3D Digital imaging of Skulls and brains of great apes)

*Synergies with Nationally funded projects like:*

- GNOSIS (geospatial project financed by the Belgian Science Policy Office until end of 2007)
- MIDAS (RMCA in house Collection Management project)
- Virtual Herbarium project of NBGB
- ABIC (Training of African Partners, financed by the Belgian Cooperation and Development agency)
- Digitalization of the collections of the Belgian Federal Scientific Institutions (funded by the Belgian Science Policy Office)
- Digitalization of African Muridae (funded by the Belgian GBIF node)

**3.4. Project timetable and status**

	1st year											2nd year											3rd year							
	Month 0	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29
<b>WP1 EDIT coordination and management</b>																														
<b>1.1 Establishment and operation of the administrating structure, incl coordination of the WPs</b>																														
1.1.1 Establishment and running of the Network Office																														
1.1.2 Operation the Network Steering Committee																														
<b>1.2 Orientation, Sustainability and development of exploitation strategies for EDIT</b>																														
1.2.1 Orientation of EDIT activities																														
1.2.2 Legal structure																														
1.2.3 Interactions with institutional stakeholders outside EDIT and exploitation strategies																														
1.2.4 Roadmap for EDIT																														
1.2.5 Vision task force																														
<b>1.3 Communication (Internal/External)</b>																														
1.3.1 Establishment and running of the Website																														
1.3.2 Publication of the EDIT bulletin																														
1.3.3 Participation to meetings and forums to promote taxonomy and EDIT activities for biodiversity and ecosystem research																														
1.3.4 PR coordination																														
<b>1.4 Liaison programme coordinating the ad hoc liaison groups established by WPs</b>																														
<b>1.5 Gender action plan</b>																														

	1st year											2nd year											3rd year								
	Month 0	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	
1.5.1 Work towards achieving gender balance in all activities																															
1.5.2 Raise gender awareness among EDIT participants																															
1.5.3 Promote women in science																															
1.5.4 Consider family-friendly policies																															
<b>WP2 Integrating and reshaping the expert and expertise base</b>																															
2.0 Integration with other workpackages																															
2.1 Information service on taxonomic experts, their expertise and ongoing and planned taxonomic research projects (2.2 Information service on ongoing and planned taxonomic projects) - Now included in 2.1																															
2.3 Taxonomic societies and networks																															
2.4 Initiating new joint research among EDIT partners																															
<b>WP3 Integrating and reshaping the infrastructure basis</b>																															
<b>3.1 Network of the physical taxonomic infrastructures</b>																															
3.1.1 in-depth interviews at high executive level (e.g., directors, heads of collections) on the accepted components and level of integration to be achieved by EDIT																															
3.1.2 expert advice on the components (e.g., communication & interaction level, decision making process, voting system) and structure and modus operandi of a virtual infrastructure. Partly with with WP1.																															
3.1.3 monitoring workshops in other WP's, which may be considered as testing grounds to study mechanisms of collaboration, impediments and catalysers for decision-making, etc.																															
3.1.4 liaising with WP4 to connect research aims and innovative research methods with the physical infrastructure required (e.g., collections to be acquired or deselected; lab infrastructure needed.																															



	1st year											2nd year											3rd year							
	Month 0	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29
<b>WP4 Coordinating research</b>																														
<b>4.1 Integrating research projects within and beyond EDIT</b>																														
4.1.1 Examining the existing research activities of the partners in order to identify potential synergistic activities within each EDIT stakeholder institution and their requirements for integration of research (partially based upon WP2 research projects data).																														
4.1.2 Discussing methods and mechanisms to integrate research activities' agendas and testing integration by pilot activities																														
4.1.3 Setting up database of qualified potential evaluators for the research areas of EDIT in order to establish the ad hoc international Panels for Evaluation of proposals for pilot projects (collaboration with WP2-Experts).																														
<b>4.2 Liaison research/users</b>																														
4.2.1 Compiling information, experiences and advice on users issues obtained by previous projects and networks																														
4.2.2 Compiling information from EDIT members on their institutional views of who their end users of taxonomic information are and what are their needs (eg: their perception of the social function of taxonomic Institutions in Europe)																														
<b>4.3 Prospecting new strategies and tools for research in Taxonomy</b>																														
4.3.2 Identifying a potential follow up taskforce of advisers and organizers of further workshops on themes suggested by symposium conclusions, NSC, SAC or liaison groups, or emerging from the WP2 information on ongoing research.																														
4.3.3 Establishing a taskforce for organising further workshops in themes suggested by alertness group, NSC, SAC, or emerging from the WP2 information on ongoing research																														
<b>WP5 Internet platform for cybertaxonomy: tools, sharing, networking and integration</b>																														
<b>5.1 Integration of information and science and technology (IST) departments; overall WP5 coordination</b>																														
5.1.1. Liaison with board of directors and Scientific Advisory Committee (SAC)																														



	1st year											2nd year											3rd year						
	Month 0	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28
5.3.4. (Deprecated & included in 5.3.2 & .3.6) Planning and implementation of repository																													
5.3.5. Intellectual Property Rights (IPR)																													
5.3.6 Interface development and implementation																													
<b>5.4 Geographical platform components</b>																													
5.4.1. Access to resources																													
5.4.2. Provision of output-oriented tools for Revisionary Taxonomy																													
5.4.3. Predictive distribution modelling																													
5.4.4. Gap Analysis																													
5.4.5 Trials and user documentation																													
<b>5.5 Taxonomic-core Platform components</b>																													
5.5.1 Identify suitable taxonomic tools as platform components																													
5.5.2 Define the taxonomic exchange standard specification																													
5.5.3 Testing taxonomic database components																													
<b>5.6 Descriptive and identification platform components</b>																													
5.6.1 Identify descriptive tools and define criteria																													
5.6.2 Testing of descriptive and identification components																													
5.6.3 Interact with providers of descriptive and identification of components																													
<b>5.7 Communication tools as platform components</b>																													







	1st year											2nd year											3rd year													
	Month 0	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29						
7.2.1 Develop criteria, guidelines and agreements for operation of ATBI+M task force and pilot sites	_____											_____																								
7.2.2 Establish and integrate taxonomic assessment teams for ATBI+M task force				_____																																
7.2.3 Establishment of ATBI+M pilot sites in Europe					_____																															
7.2.4 Establishment of ATBI+M pilot sites in biodiversity-rich Developing Countries						_____											_____																			
<b>7.3 Developing standards, protocols, and tools for conducting an ATBI+M programme</b>				_____																																
7.3.1 Selection of target taxa for ATBI+M and recording techniques and protocols				_____																																
7.3.2 Establish data repositories for ATBI+M teams and sites						_____											_____																			
7.3.3 Innovative tools for data access and data exchange															_____																					
7.3.4 Specification, data provision and testing of GIS-tools for ATBI+M needs																		_____																		
<b>7.4 Operating the ATBI+M task force and evaluating relevant methods and techniques</b>								_____																												
7.4.1 Conduct ATBI+M approach at selected terrestrial and/or marine pilot sites in Europe								_____											_____																	
7.4.2 Conduct ATBI+M approach at selected terrestrial and/or marine pilot sites in biodiversity-rich developing countries								_____											_____																	
7.4.3 Testing and application of innovative information management tools for biodiversity conservation															_____																					
<b>7.5 Sustaining the European ATBI+M task force and long term study sites</b>				_____																																
7.5.1 Outreach and capacity building for ATBI+M approach				_____																																
7.5.2 Review efficiency and performance of ATBI+M task force and sites															_____																					
7.5.3 Develop long-term organisational structure(s) for sustaining ATBI+M task force and site management																_____																				

	1st year											2nd year											3rd year						
	Month 0	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28
7.5.4 Explore additional funding opportunities for ATBI+M activities																													
<b>WP8 Training and public awareness</b>																													
<b>8.1 Assessment of training resources for taxonomy in Europe</b>																													
8.1.1. Listing of training resources provided by EDIT and non-EDIT training providers																													
8.1.2. Evaluation of the gaps and needs for training, including short-term priorities																													
8.1.3 On-line catalogue of training resources for taxonomy																													
<b>8.2 Mobilisation of training providers into the Distributed European School of Taxonomy</b>																													
8.2.1 a) Establishment of a strategy for mobilising training providers (EDIT and non-EDIT partners) into the Distributed European School of Taxonomy (DEST)																													
b) Identification of training providers interested in participating in the DEST																													
8.2.2 a) Launch of a call for the mobilization of training providers																													
b) Establishment of committee of training providers (members, mandate, identify terms of reference, etc.)																													
c) Identification of ways and means for integration, including the application of the Bologna agreement and the way doctoral schools are organised in different countries																													
8.2.3 Organisation of the Meeting of the committee of training providers to adopt general principles of integration and discussions on a draft course prospectus (curriculum, process for student participation, recognition and accreditation of the courses, etc.) 1st & nd meeting																													
<b>8.3 Pilot schemes for integration</b>																													
8.3.1. Taxon-oriented pilot course (merged with new activity 8.3.1 Summer school programme)																													
8.3.1 Summer school programme																													
8.3.2 Pilot 'expert-in-training' programme																													

	1st year											2nd year											3rd year								
	Month 0	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16	Month 17	Month 18	Month 19	Month 20	Month 21	Month 22	Month 23	Month 24	Month 25	Month 26	Month 27	Month 28	Month 29	
<b>8.4 Implementation of EDIT's Distributed European School of Taxonomy</b>																															
8.4.1. Integration of the European training resources into DEST																															
<b>8.5 Public Awareness for the promotion of Taxonomy</b>																															
8.5.1. Inventory of existing taxonomy-based museum programmes and resources in natural history museums (NHM) and botanic gardens (BG)																															
8.5.2 Workshop on communicating taxonomy																															
8.5.3 Network for public awareness in taxonomy																															
8.5.4 Planning for the 2010 Biodiversity Year Special Events																															

## **Section 4 – Other issues**

Not concerned

## Annex 1 – Plan for using and disseminating the knowledge

### Section 1 - Exploitable knowledge and its Use

Not concerned

### Section 2 – Dissemination of knowledge

#### Overview table

Planned /actual Dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible /involved
2005	Publications Summerbell*, R.C.; Lévesque, C.A.; Seifert, K.A.; Bovers, M.; Fell, J.W.; Diaz, M.R.; Boekhout*, T.; Hoog*, G.S. de; Stalpers*, J.A.; Crous*, P.W. 2005: Microcoding: the second step in DNA barcoding. Royal Society of London. Philosophical Transactions. Biological Sciences 360 (2005)1462. p. 1897 - 1903. *CBS members. Targeted audience: International researchers	Research	International	N/A	8 - CBS
Feb. 2005	Conference presentation First International Barcode Conference in London, presentation of R. Summerbell (CBS): DNA barcoding in fungi: moving from the culture collection into the field and the medical lab. Audience: 220 researchers from 44 countries.	Research	International Europe	220	8 – CBS
09-12 November 2005	Poster Presentation First DIVERSITAS Open Science Conference DIVERSITAS: OSC1 Integrating biodiversity science for human well-being (Oaxaca, Mexico) ( <a href="http://www.diversitas-osc.org/">http://www.diversitas-osc.org/</a> )	Research and research policy makers	International	700 participants from 60 countries	2 – MNHN
28 Nov. - 2 Dec. 2005	Poster Presentation Convention on Biological Diversity: Eleventh meeting of the SBSTTA (Montréal, Canada) ( <a href="http://www.biodiv.org/doc/meeting.aspx?mtg=SBS TTA-11">http://www.biodiv.org/doc/meeting.aspx?mtg=SBS TTA-11</a> )	Research and Policy makers	International	800 participants from CBD parties	2 – MNHN 12 - SMNS 13- RBINS 27 – USNM
2006/2007	Website <a href="http://www.e-taxonomy.eu/news.php?optimurl=assessment-of-training-resources-for-taxonomy">http://www.e-taxonomy.eu/news.php?optimurl=assessment-of-training-resources-for-taxonomy</a>	Research, training providers	International		14 – RMCA 2 – MNHN 15 – NBGB 13 - RBINS
2006/2007	Exhibit Temporary Exhibition of RMCA Lepidoptera collections, One display with Computer relating to EU projects in Biodiversity and Taxonomy	General public	International	N/A	14 - RMCA
2006/2007	9 EDIT related publications (see list below) <sup>9</sup>	Research	International	N/A	14 – RMCA 9 – FUB-BGBM 4 – CSIC Etc.

<sup>9</sup> **Berendsohn W, Güntsch A, Mergen P.** (in press). The BioCASE Project - a biological collections access service for Europe in Proceedings of the first international Recorder conference Ferrantia the scientific journal of the Luxembourg National Museum of Natural History, Luxembourg.

Planned /actual Dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible /involved
2006	Website <a href="http://www.africamuseum.be/research/cooperation/research/cooperation/researchcooperation/index.html">http://www.africamuseum.be/research/cooperation/research/cooperation/researchcooperation/index.html</a>	General public	International	N/A	14 - RMCA
2006	Publications Publication in GfBS newsletter: <a href="http://www.e-taxonomy.eu/files/GfBSNews06EDIT.pdf">http://www.e-taxonomy.eu/files/GfBSNews06EDIT.pdf</a>	Research	Germany	N/A	12 – SMNS
9 January 2006	Meeting Visit of French Senat Delegation in Berlin.	Research	Europe	N/A	9 – FUB – BGBM
17 Jan. 2006	Lecture MNHN's researchers and doctoral students (UMR 7138) (Paris, France)	Higher education	France	30	2 – MNHN
29 January 2006	Conference Virtual herbarium and EDIT	Research	Belgium	10	14 – RMCA 15 - NBGB
9 February 2006	Conference kickoff NEST Broca II project, brain specialists → digital imaging	Research	Europe	10	14 - RMCA
25 February 2006	Conference Presentation at gtoe-meeting 2006 (Kaiserslautern)/Call for sites. <a href="http://www.bayceer.uni-bayreuth.de/gtoe2006/en/top/bayconf/beitrag_detail.php?id_obj=7853">http://www.bayceer.uni-bayreuth.de/gtoe2006/en/top/bayconf/beitrag_detail.php?id_obj=7853</a>	Research	All	250	12 – SMNS
1 March 2006	Media briefing Briefing of House of Lords and others about integration of digital taxonomic services with emphasis on a business model for ZooBank in the frame work of EDIT.	Press Research, Industry House of Lords	UK	50	5 – UvA 10 - NHML
2 March 2006	Publication Nature, vol 440, 2 march 2006 <a href="http://www.nature.com/nature/journal/v440/n7080/index.html#lt">http://www.nature.com/nature/journal/v440/n7080/index.html#lt</a>	Research General Public	International	N/A	2 – MNHN 10 – NHML

**Berendsohn W., Hahn A, Güntsch A, Miller C., de la Torre J, Döring M., Thomson N., Mergen P., De Giovanni R., Ulate W., Addink W** 2006. Best Practice For Updating and Versioning of TDWG Standard XML Schemas In Belbin, L., Rissoné, A. and Weitzman, A. (eds.). Proceedings of TDWG (2006), St Louis,MI

**de la Torre J. ; Mergen P. ; Lobo J.** 2006. Biodiversity Informatics and the GeoWeb: Toward an Integration of TDWG and OGC Standards. In Belbin, L., Rissoné, A. and Weitzman, A. (eds.). Proceedings of TDWG (2006), St Louis,MI

**Louette, M.**, 2006. Albertine Rift zoodiversity: exploitation of the historical data in the Royal Museum for Central Africa, Tervuren. pp 103-106 In: Segers, H., P. Desmet & R. Baus. Tropical Biodiversity: Science, Data, Conservation. Proceedings of the 3rd GBIF Science Symposium, Brussels, 18-19 April 2005, Brussels, Belgium.

**Louette M.** 2007. Data Mining of the Zoological Collections in the Royal Museum for Central Africa (RMCA), Tervuren, for Study and Conservation in the Albertine Rift International Conference Africa's Great Rift: Diversity and Unity Royal Academy of Overseas Sciences Royal Museum for Central Africa Brussels, 29-30 September, 2005 pp. 73-81.

**Louette M. ; Meirte D. ; Mergen P.** 2006. The African bird data at the Royal Museum for Central Africa in the era of biodiversity informatics. Journal of Ornithology 147(5) suppl. 1: 205.

**Louette M. ; Meirte D. ; Mulotha E. ; Peterson A.T. (in prep)** Modelling the distribution of the Congo Peacock *Afropavo congensis*, and other Galliformes in the Central Congo basin.

**Mergen P, Louette M, Snoeks J, De Meyer M, Meirte D** (in press). The Royal Museum for Central Africa in the era of biodiversity informatics in Proceedings of the first international Recorder conference Ferrantia.

**Mergen P, Meganck B, Meirte D, Theeten F, Tombeur A, Louette M.** 2006. Benefits of OGC Compliant Standards and Tools for Biogeography Related Information Sharing In Belbin, L., Rissoné, A. and Weitzman, A. (eds.). Proceedings of TDWG (2006), St Louis, MI, USA.

**Mergen P., Meganck B., Meirte D., de la Torre J, Louette M.** 2006. Providing Itinerary Related Datasets and Tools for Integration, Visualisation and Quality Check In Belbin, L., Rissoné, A. and Weitzman, A. (eds.). Proceedings of TDWG (2006), St Louis,MI

**Van den Elzen, R. & Louette, M.** 2006 . Bird Collection Management: An Information Network Initiative. Acta Zoologica Sinica Volume 52, supplement: 36.Proceedings 23rd International Ornithological Congress. [http://www.actazool.org/issuedetail.asp?volume=52&number=-101&issue\\_id=199](http://www.actazool.org/issuedetail.asp?volume=52&number=-101&issue_id=199)

Planned /actual Dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible /involved
Since 2 March 2006	CETAF web-site ( <a href="http://www.cetaf.org/activities.php">http://www.cetaf.org/activities.php</a> ). Includes short description of EDIT + link to EDIT webpage	Research General public	International	N/A	CETAF partners
9-11 March 2006	Conference Oral presentation on monitoring and WP7 aims <a href="http://www.caucasus-conference.org/">http://www.caucasus-conference.org/</a>	Ministerial NGO	Europe Caucasus	300	12 – SMNS
10-11 March 2006	Project Leader invited EPBRS meeting (Vienna, Austria) <a href="http://www.epbrs.org/">http://www.epbrs.org/</a>	Research Policy Makers	Europe	N/A	2 – MNHN
15-19 March 2006	Invited presentation to Symposium Megascience in focus. Title: "Biodiversity: Activities and Programmes at Museo Nacional de Ciencias Naturales (Spain)". Curitiba, Brasil.	Research	International	100	4-CSIC
23 March 2006	Eighth Ordinary Meeting of the Conference of the Parties to the Convention on Biological Diversity (Curitiba, Brasil) ( <a href="http://www.biodiv.org/doc/meeting.aspx?mtg=COP-08">http://www.biodiv.org/doc/meeting.aspx?mtg=COP-08</a> ). Side events: The Global Taxonomy Initiative of the Convention on Biological Diversity. EC side event on EU Research on Biodiversity	Research Policy makers	International	50	2 - MNHN 4-CSIC 12 -SMNS
20-31 March 2006	Poster and Flyer about EDIT Eighth Ordinary Meeting of the Conference of the Parties to the Convention on Biological Diversity (Curitiba, Brasil) <a href="http://www.biodiv.org/doc/meeting.aspx?mtg=COP-08">http://www.biodiv.org/doc/meeting.aspx?mtg=COP-08</a>	Policy makers	International	1000 + attendants to the COP	2 – MNHN 3 – UKBH 4 – CSIC 5 – UvA 9 – FUB-BGBM 10 – NHML 12 – SMNS 13 - RBINS
Spring 2006	MarBEF Newsletter <a href="http://www.marbef.org/documents/newsletter/NwsNo4_May06.pdf">http://www.marbef.org/documents/newsletter/NwsNo4_May06.pdf</a>	Research	Europe	N/A	2 – MNHN
8-9 May 2006	Report CETAF meeting (Munich, Germany)	Research	Europe	30 participants	2 – MNHN
7-8 April 2006	Presentation <a href="http://www.barcoding.si.edu/presentations/5%20-%20Tillier%20Networking.ppt">http://www.barcoding.si.edu/presentations/5%20-%20Tillier%20Networking.ppt</a> CBOL first Regional Barcoding Meeting (Cape Town, South Africa) <a href="http://www.barcoding.si.edu/Regional_Meeting_Cape_Town.htm">http://www.barcoding.si.edu/Regional_Meeting_Cape_Town.htm</a>	Research and users	International	82 delegates	2 – MNHN
3 May 2006	Workshop GeoNetCast Presentation to GeoNetCast workshop in Brussels about examples how EDIT might benefit from satellite broadcasting of data sets.	Policy makers, Research	Europe	76	5 – UvA 2 - MNHN
22 May 2006	Meeting DIVERSITAS Germany Council <a href="http://www.diversitas-international.org">www.diversitas-international.org</a>	Research	Germany	N/A	9 – FUB – BGBM
8 June 2006	Conference Deegree day Bonn (GIS meeting)	Research SME's Public bodies active in GIS	Germany Belgium Netherlands	100	14 – RMCA 9 – FUB-BGBM
12 June 2006	Workshop GBIF-Germany and Biota Workshop	Research	Germany	N/A	9 – FUB – BGBM

Planned /actual Dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible /involved
22 June 2006	Press conference ( <a href="http://www.mnhn.fr/museum/foffice/national/national/presse/communiqués/commPresse/fichePresse.xsp?ANNEE=2006&amp;COMMPRESSE_ID=583&amp;idx=9&amp;nav=liste">http://www.mnhn.fr/museum/foffice/national/national/presse/communiqués/commPresse/fichePresse.xsp?ANNEE=2006&amp;COMMPRESSE_ID=583&amp;idx=9&amp;nav=liste</a> & <a href="http://www.mnhn.fr/museum/foffice/national/national/presse/dossiers/dossPresse/fichePresse.xsp?i=1&amp;idx=4&amp;nav=liste&amp;DOSSPRESSE_ID=423">http://www.mnhn.fr/museum/foffice/national/national/presse/dossiers/dossPresse/fichePresse.xsp?i=1&amp;idx=4&amp;nav=liste&amp;DOSSPRESSE_ID=423</a> ) MNHN (Paris, France)	Press	France	14 journalists	2 – MNHN
26 June 2006	Interview (TV) TF1 (News)	General Public	France	N/A	2 – MNHN
26-27 June 2006	Meeting DIVERSITAS Germany Council <a href="http://www.diversitas-international.org">www.diversitas-international.org</a>	Research	Germany	N/A	9 – FUB – BGBM
28 June 2006	Press Le Monde « Protection de la Biodiversité : un inventaire difficile »	General Public	France	N/A	2 – MNHN
28-29 June 2006	EDIT Kick-off meeting WPs presentation made during the kick-off meeting: <a href="http://www.e-taxonomy.eu/edit-downloads.php">http://www.e-taxonomy.eu/edit-downloads.php</a>	Research Policy makers	Europe	120 participants	2 – MNHN/ All EDIT partners
29 June 2006	Interview (radio) RFI <a href="http://www.rfi.fr/francais/actu/articles/078/article_44725.asp">http://www.rfi.fr/francais/actu/articles/078/article_44725.asp</a>	General Public	France	N/A	2 – MNHN
29 June 2006	Press AFP “Les biologistes européens s’unissent pour inventorier le monde du vivant » Ref.: AFP_TX_20060629-10385_LFE92	General Public	France	N/A	2 – MNHN
29 June 2006	Press <a href="http://www.linternaute.com">www.linternaute.com</a> « Les biologistes européens s’unissent pour inventorier le monde du vivant »	General Public	France	N/A	2 – MNHN
30 June 2006	Press <a href="http://www.yahoo.fr">www.yahoo.fr</a> « Les biologistes européens s’unissent pour inventorier le monde du vivant »	General Public	France	N/A	2 – MNHN
30 June 2006	Press “Unis pour inventorier le monde”, in <i>Vers l’avenir</i>	General Public	Belgium	N/A	13-RBINS
Summer 2006	Press CNRS International Magazine <a href="http://www2.cnrs.fr/en/609.htm">http://www2.cnrs.fr/en/609.htm</a>	Research and science policy makers	International	N/A	2 – MNHN
July 2006	Press Pour la Science : « Pour la révolution taxonomique »	Research General Public	France	N/A	2 – MNHN
3 July 2006	Publications Costello, M.J., Van den Berghe E. 2006 “Ocean Biodiversity Informatics” enabling a new era in marine biology research and management. Marine Ecology Progress Series 316, 203-214. <a href="http://www.int-res.com/articles/meps_oa/m316p203.pdf">http://www.int-res.com/articles/meps_oa/m316p203.pdf</a>	Research	International	N/A	22 - SMEBD
6 July 2006	Interview (TV) Direct 8, TV program “Complément Terre” ( <a href="http://www.direct8.fr/emissions/complement_terre/">http://www.direct8.fr/emissions/complement_terre/</a> )	General Public	France	N/A	2 – MNHN
10 July 2006	Interview TV LCI, TV program “Terre Merre” ( <a href="http://tf1.lci.fr/infos/">http://tf1.lci.fr/infos/</a> )	General Public	France	N/A	2 – MNHN

Planned /actual Dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible /involved
14-21 July 2006	Meeting (Sao Paolo, Brazil) (“Revision of /Flora brasiliensis/: Challenges and opportunities”) Towards a shared and interoperable infrastructure for taxonomic data: The European Distributed Institute of Taxonomy and experience from the European checklist (Presentation - Walter Berendsohn) <a href="http://www.cria.org.br/eventos/flora/agenda">www.cria.org.br/eventos/flora/agenda</a>	Research	International	N/A	9 – FUB – BGBM
13-19 August 2006	Posters and Conference 24th International Ornithological Congress 2006	Research	International	1300	14 -RMCA
24 August 2006	Direct e-mailing Prof. Lynne R. Parenti (Smithsonian Institution) – General introduction to EDIT and discussion over the integration of existing database such as FishBase with WP5 cybertaxonomic platform	Research	USA	2	9 – FUB – BGBM
4 Sept. 2006	Meeting Life Watch Steering Committee, London. <a href="http://www.lifewatch.eu/">http://www.lifewatch.eu/</a>	Research	Europe International	N/A	2 – MNHN 5 - UvA 9 – FUB – BGBM 10-NHML
11 Sept. 2006	Interview (radio) France Inter, “la tête au carré » ( <a href="http://www.radiofrance.fr/franceinter/em/lateteauca/re/index.php?id=46869">http://www.radiofrance.fr/franceinter/em/lateteauca/re/index.php?id=46869</a> )	General Public	France	N/A	2 – MNHN
23 September -9 November 2006	Direct e-mailing Prof. Quentin D. Wheeler (Vice President – Arizona State University) – Compared the aims and structure of WP5 with that of the ASU Advanced Institute of Cybertaxonomy. Continuing email correspondence with QDW concerning future integration of IST departments	Research	USA	N/A	9 – FUB – BGBM
25 Sept. 2006	Meeting IdentifyLife Presentation (University of Queensland) in BGBM, (Berlin, Germany). <a href="http://www.identifylife.org">www.identifylife.org</a>	Research	Europe	N/A	9 – FUB – BGBM
27-30 Sept. 2006	Presentation at First European Workshop on Animal Sound Research and Libraries. Title: “The European framework. EDIT” (Madrid, Spain) ( <a href="http://www.fonozoo.com/eng/workshop.php">http://www.fonozoo.com/eng/workshop.php</a> )	Research Technical experts	European	27	4-CSIC
27-30 Sept. 2006	Presentation at First European Workshop on Animal Sound Research and Libraries. (Madrid, Spain) ( <a href="http://www.fonozoo.com/eng/workshop.php">http://www.fonozoo.com/eng/workshop.php</a> ). Title: “WP 2: “Integrating and Reshaping the Expert and Expertise Basis”. Madrid. Spain.	Research Technical experts	European	27	2-UKBH
Oct. 2006	Conference presentation Internationale Tagung der DGfM, Tübingen, presentation of P. W. Crous (CBS): The future of Mycology: Mouldy or magical mushroom ride?	Research	International Europe	150	8 - CBS
1-2 October 2006	Conference DGfM Contribution tot the Internationale Tagung der Deutsche Gemeinschaft für Microbiologie about the future of Mycology and the potential impact of DNA-barcoding in Europe.	Research	Germany	150	8 - CBS

Planned /actual Dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible /involved
15-22 October 2006	Conference TDWG Conference of the Taxonomic database Working Group in St. Louis, USA. Presentation and publication of: EDIT and the European taxonomic information services, Proceedings of TDWG, 2006 [Yde de Jong & Eduard Stloukal] Abstract: <a href="http://www.tdwg.gbif.org/proceedings/index.php/proceedings/article/viewArticle/76">http://www.tdwg.gbif.org/proceedings/index.php/proceedings/article/viewArticle/76</a>	R&D	International	220	5 – UvA 19 - CUB
18-19 October 2006	Presentation The eastern Africa DNA Barcoding meeting, CBOL (Nairobi, Kenya) <a href="http://barcoding.si.edu/presentations/Nairobi%20Regional%20Meeting%20Oct%202006/Day%201/Morning/Tillier.ppt">http://barcoding.si.edu/presentations/Nairobi%20Regional%20Meeting%20Oct%202006/Day%201/Morning/Tillier.ppt</a>	Research	International	61 participants from 15 countries	2 –MNHN
24-25 October 2006	Workshop GEOSS Workshop (Geneva, Switzerland)	Research, science policy	N/A	N/A	2 - MNHN 9 – FUB – BGBM
24-25 October 2006	Report CETAF meeting (Leiden, )	Research	Europe	30 participants	2 –MNHN
15-22 October 2006	Conference TDWG annual meeting, Building Biodiversity Data Applications, Missouri Botanical Garden (St. Louis, Missouri, U.S.A). <a href="http://www.tdwg.org">www.tdwg.org</a>	Research	International	>200	9 – FUB - BGBM
27 October 2006	Direct e-mailing Prof. Sven Kullander (Swedish Museum of Natural History) - Introducing EDIT and inviting SMNH to the 1st ISTC Meeting	Research	Sweden	2	9 – FUB – BGBM
27 October 2006	Direct e-mailing Evgeniy Meyke (University of Helsinki) – Introducing EDIT and collaborating on certifying Taxis4 software: <a href="http://www.bio-tools.net">http://www.bio-tools.net</a>	Research	Finland	2	9 – FUB – BGBM
27 October 2006	Direct e-mailing Prof. Stephen Blackmore (Director - Royal Botanic Gardens Kew) – Introducing the aims of EDIT and its impact on taxonomy, on European institutions and their IST departments	Research	UK	2 N/A	9 – FUB – BGBM
27-28 October 2006	Poster, flyers, Conference Benelux Congress of Zoology	Research	Belgium Netherlands Luxembourg	175	14 - RMCA
1 Nov. 2006	Direct e-mailing Dr. Martin Pullan (Royal Botanic Gardens Kew) – Introducing EDIT and inviting RBGK to the 1st ISTC Meeting)	Research	UK	2 N/A	9 – FUB - BGBM
2 November 2006	Conference Presentation of options of integration as virtual institutes to the directors of European Marine Research Stations (MARS Consortium) in Naples.	Marine monitoring site directors	Europe	76	5 - UvA
1-3 Nov. 2006	Meeting Species Plantarum meeting, (London, UK)	Research	N/A	N/A	9 – FUB – BGBM
9-12 November 2006	Presentation and Poster Earth System Science Partnership (ESSP) Open Science Conference (Beijing, China) <a href="http://www.essp.org/ESSP2006/">(http://www.essp.org/ESSP2006/)</a>	Research Policy makers	International	About 800 participants	2 –MNHN
16 Nov. 2006	Meeting EDIT Geography (Madrid, Spain).	Research	Europe	N/A	9 – FUB – BGBM

Planned /actual Dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible /involved
16-19 November 2006	Project Leader invited EPBRS meeting (Helsinki, Finland) ( <a href="http://www.epbrs.org/">http://www.epbrs.org/</a> )	Research Policy Makers	Europe	N/A	2 –MNHN
17 November 2006	EPBRS Meeting Presentation about the projected Life Watch biodiversity research infrastructure to the meeting of the European Platform for Biodiversity Research Strategy (in Helsinki under the Finnish presidency).	Policy and research	Europe	120	5 - UvA
23-25 November 2006	Invited presentation and Round Table at I Simposio Internacional “Alianzas en Favor de la Biodiversidad” (Málaga, Spain). Title: “International Networks for Biodiversity Studies: European Distributed Institute of Taxonomy (EDIT)”.	Research Environmental Managers	International	200	4-CSIC
27 Nov. 2006	Meeting DIVERSITAS Germany Council (Frankfurt, Germany).	Research	Germany	N/A	9 – FUB – BGBM
28 Nov. 2006	Meeting Life Watch Steering Committee, (Paris, France).	Research	Europe International	N/A	2 – MNHN 3 - UvA 9 – FUB – BGBM
Dec. 2006	Newsletter of the European Topic Center on Biological Diversity <a href="http://biodiversity.eionet.europa.eu/publications/newletters">http://biodiversity.eionet.europa.eu/publications/newletters</a>	Research Policy makers General Public	Europe	N/A	2 –MNHN
December 2006	Publication Enghoff, H. & Seberg, O : A Taxonomy of Taxonomy and Taxonomists. – The Systematist 27: 13-15.	Research	International	N/A	3 UKBH
From Dec. 2006	Project web-site Dec. 2006. <a href="http://www.ecbol.org/">http://www.ecbol.org/</a> was launched by CBS to inform and integrate European Barcoding efforts within the context of EDIT and the international Consortium for the Barcoding of Life. Contributions of other EDIT members will be included in the coming months.	Research Stakeholders General public	International Europe	N/A	8 - CBS/all
1 Dec. 2006	Meeting Life Watch IST Group (Vienna, Austria)	Research	Europe International	N/A	9 – FUB – BGBM
15 Dec. 2006	Conference This event was a 90 minute seminar at RBGK. Four members of the RBGK EDIT team explained to staff and visiting researchers at RBGK and NHML what work they are carrying out under the EDIT WPs 3, 5 and 6; an overall presentation of EDIT’s goals was also included.	Research	U.K.	100	11 - RBGK
18 January 2007	Meeting ESA Meeting with ESA directors and senior staff to discuss the options of linking earth observation data to ground-level (collections and observation) data (ESTEC, Noordwijk, the Netherlands).	Directors	Europe	15	5 -UvA
22-23 January 2007	Meeting EDIT & CATE Integration Discussion, Royal Botanic Gardens Kew (London, UK).	Research	Europe	N/A	9 – FUB – BGBM
January 23 2007	Conference General objectives of EDIT and specific activities of WP2 regarding especially the information service on taxonomic experts, expertise and projects presented at meeting for members of the Network of the Danish GBIF participant node DanBIF ( <a href="http://www.danbif.dk">www.danbif.dk</a> )	Research	Denmark	75	3 UKBH

Planned /actual Dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible /involved
29-31 Jan. 2007	Meeting SYNTHESESYS meeting (Amsterdam, Netherlands)	Research	Europe	N/A	9 – FUB – BGBM
31 January 2007	Conference The structure of the information service on experts, expertise and projects presented to the network steering group of SYNTHESESYS.	Research	UK, NL, DE, DK,	10	3 UKBH
February 2007	Project web-site: Improve communication among EDIT partners and increase visibility of WP7 by interactive website <a href="http://wp7.e-taxonomy.eu/">http://wp7.e-taxonomy.eu/</a>	Research	International	N/A	12 – SMNS
February 2007	Project web-site: <a href="http://wp5.e-taxonomy.eu/WIKI/Meetings">AtbiModels - http://wp5.e-taxonomy.eu/WIKI/Meetings</a>	General public	Europe	N/A	18-HNHM
February 2007	Direct e-mailing: Invitation for WP7 workshop	Research	Europe	N/A	12 – SMNS
2 February 2007	Conference German Research Collection Directors Conference (Stuttgart, Germany)	Research	German	N/A	9 – FUB – BGBM
7 February 2007	Lecture: “The Global Taxonomy Initiative and implementing Programmes in Europe” at V Master on Management, Access, Conservation and Trade of species (CITES). The international Framework. Module: the Convention on Biological Diversity. International University of Andalusia Antonio Machado (Baeza, Jaen. Spain). Master course attended by future environmental managers, lawyers, policemen, etc., usually from developing countries and not familiar with taxonomy.	Higher education	International	30	4-CSIC
19 February 2007	AlterNET meeting Presentation of the plans for the Life Watch biodiversity research infrastructure to the annual general meeting of the network of excellence AlterNET (Mallorca, Spain).	Research	Europe	110	5 -UvA
24 February 2007	Conference Presentation at gtoe-meeting 2007 (Bonn)/ Call for Overseas sites and participation of Taxonomists <a href="http://www.zfmk.de/web/Forschung/Kongresse/2007/200702_gtoe/index.de.html">http://www.zfmk.de/web/Forschung/Kongresse/2007/200702_gtoe/index.de.html</a>	Research	International	50	12 – SMNS
26 February 2007	Conference EDIT in general mentioned in talk at the germanophone “Entomologentagung”, Innsbruck.	Research	DE, AT CH	100	3 UKBH
28 Feb 2007	WP6 web-site: <a href="http://www.editwebrevisions.info">www.editwebrevisions.info</a> The WP6 web site is under development and is available at < <a href="http://www.editwebrevisions.info">www.editwebrevisions.info</a> >. This is a community site to which initial content is being added by the development team and outlines the work being done by the workpackage.	Research	N/A	N/A	10 – NHML 11 - RGBK 9 - FUB-BGBM
28 February-2 March 2007	Conference 6th meeting on vegetation databases: surveys of vegetation and floras – new prospects, joint ways, (Bonn, Germany) <a href="http://www.biogeographie.org/meeting/index_e.html">http://www.biogeographie.org/meeting/index_e.html</a>	Research	Germany, Europe	ca. 100	9 – FUB – BGBM
28 February-2 March 2007	Poster Checklist development and the Berlin taxonomic information model (Anton Güntsch, Agnes Kirchoff & Walter G. Berendsohn) 6th meeting on vegetation databases: surveys of vegetation and floras (Bonn, Germany)	Research	Germany Europe	ca. 100	9 – FUB – BGBM

Planned /actual Dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible /involved
28-29 March 2007	Workshop EDIT WP3 workshop for European national (and regional) focal points of national taxonomic information services. Discussion of models for integration and network sustainability. <a href="http://zoology.fns.uniba.sk/edit/meetings/wp3-smolenice2006.htm">http://zoology.fns.uniba.sk/edit/meetings/wp3-smolenice2006.htm</a>	Managers of national taxonomic information services	Europe	28	19 – CUB 5 - UvA
29-30 March 2007	Conference Species2000. One Million Species Catalogue of Life, (Reading, UK) <a href="http://www.sp2000.org">www.sp2000.org</a>	Research	European	N/A	9 – FUB – BGBM
19-27 April 2007	Conference IV Congreso Colombiano de Botánica (Medellin, Colombia) <a href="http://www.uco.edu.co/botanica">www.uco.edu.co/botanica</a> .	Research	International	>1000	9 – FUB – BGBM
25-28 April 2007	Conference EDIT WP2 The future of taxonomy - the role of societies and networks (Smolenice Castle, Slovakia). <a href="http://zoology.fns.uniba.sk/edit/meetings/wp2-smolenice2006.htm">http://zoology.fns.uniba.sk/edit/meetings/wp2-smolenice2006.htm</a>	Research	Europe	N/A	9 – FUB – BGBM
14 -16 April 2007	Workshop Second Workshop on ATBI+M: Data recording methods, protocols and Extra-European site selection. State Museum of Natural History, (Stuttgart, Germany) ( <a href="http://wp7.e-taxonomy.eu/index.php?text=php/ws032007">http://wp7.e-taxonomy.eu/index.php?text=php/ws032007</a> )	Research	Europe	53	Partner responsible: 12 – SMNS Partners involved: all
N/A	Project web-site Workpackage 5 subsite: <a href="http://wp5.e-taxonomy.eu/">http://wp5.e-taxonomy.eu/</a> WP 5 newsblog: <a href="http://wp5.e-taxonomy.eu/blog/">http://wp5.e-taxonomy.eu/blog/</a> WP 5 WIKI: <a href="http://wp5.e-taxonomy.eu/WIKI">http://wp5.e-taxonomy.eu/WIKI</a>	Research	Europe	N/A	9 – FUB – BGBM
22-24 April 2007	Conference GAIA Workshop: Genomics, Evolution and Biodiversity, (Athens, Greece)	Research	Europe	N/A	2 – MNHN
May 2007	Conference Oral presentation on ATBI approach submitted to “Sustainable Neighbourhood – from Lisbon to Leipzig through Research (L2L)” <a href="http://www.fona.de/de/3_akteure/forum_2007/index.php?lang=eng">http://www.fona.de/de/3_akteure/forum_2007/index.php?lang=eng</a>	Policy makers Research	International	N/A	12 – SMNS
12-13 June 2007	Global Science Forum Submission of a paper on the BRC-model for other scientific collections to the Collections workshop of the OECD Global Science Forum.	Policy makers	Global	50	5 – UvA 7 - NNM
June 2007	Flyers Particularly featuring ATBI approach, but also EDIT	General audience	International		12 – SMNS / WP1 Other EDIT partners
July 2007	Conference: joint activity of EDIT with taxonomical society (KBVD/SRZB) and universities	Research	Belgium	N/A	13-RBINS, 14-RMCA, 15-NBGB
3.-5. Oct. 2007	Conference Meeting with the aim of integrating DNA barcoding efforts in Europe planned in the Netherlands by CBS with the help of other partners (local planning committee, scientific committee). Targeted audience: researchers from EU countries.	Research	Europe International	200	8- CBS 6 – NHM 5 – ZMA 2 – MNHN 11 – RBGK
November 2007	Conference : workshop on how to communicate on taxonomy Personnel working in educational and museum dept., taxonomists in charge of development of education and PA activities	Research Higher Education	International	N/A	13-RBINS 2-MNHN 11-RBGK

Planned /actual Dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible /involved
Permanent	Project web-site: EDIT announcement on RBINS, RMCA and NBG website	General public	International	RBINS: 5.500 hits/day	13-RBINS, 14-RMCA, 15-NBGB
Permanent	Direct e-mailing	Research	International	N/A	13-RBINS, 14-RMCA, 15-NBGB
Permanent	Direct e-mailing	Training providers taxonomy	International	Several 1000	14 - RMCA/ all EDIT partners
25-28 2007	Conference (Biodiversity informatics specialists) TDWG ABCD workshop	Research	International	10	9 – FUB-BGBM 14 – RMCA 4 – CSIC 26 - MBG

### Section 3 - Publishable results

Not concerned