

## Competition for Europe's junior visionary

**Jury Member: Dougal Dixon**

### EUvolution 2009 – Europe in 100 million years

In Darwin year 2009 one of the most important natural science theories is celebrating a double jubilee, namely the 200th birthday of its founder, the European Charles Darwin, and the 150<sup>th</sup> anniversary of the first publication of his main work “the origin of the species”.



Do you have the artistic, philosophical and natural science vision of where the evolution of Europe will lead in 100 million years? Will continents wander, mountains unfold, glaciers turn into an ice age and deserts grow in warm times? Will there still be humans or which animal group is fighting to successfully outlive us? Will there be a meteorite shower and what will life be like afterwards? What does Europe expect in the distant future, what will it look like in 100 million years time? Give your fantasy free reign, browse subject literature and the internet and tell us your vision for Europe.

We are very proud to have won Dougal Dixon as member of the jury for the competition „Europe in 100 million years“. Dougal Dixon is an internationally recognized authority on dinosaurs and one of the most renown popular science authors in Great Britain. He published more than 100 books on dinosaurs, evolution, and geology, including numerous publications for a young audience. He co-operated as scientific consultant in many movie and TV productions in the UK, USA and Japan. Most well-known might be the BBC production „The future is wild“, which features Dougal Dixons well-founded visions of a future biosphere. Last but not least the numerous international awards and prizes show that he is the perfect choice as juryman for our competition “Europe in 100 million years”.

The European Union and leading European natural science museum invite the prize winner to exciting excursions to hot spots of evolution and evolutionary research in Europe and enable participation in workshops with well know evolutionary biologists. A presentation module of the winning contributions will be developed with the specialists at an evolution camp. This will be presented to the general public in the exhibition "the flow of life" in Stuttgart and finally in museums in Prague and Vienna. Take part in a Europe wide process which includes current knowledge, creative workmanship and timely reception of the natural science and culturally relevant theme of evolution. Take advantage of the opportunity to discuss the exciting theme of evolution together with scientists, exhibitors and young people from all over Europe. We look forward to your interesting ideas. Submit your suggestions and ideas by 9th April 2009 in accordance with the participation conditions and show courage for Europe's future!

### Prizes:

The best contributions from all the European countries (max. 30 participants) will be awarded a prize by a competent jury. The winners can look forward to a certificate and participation in a one week long evolution camp with interesting excursions to fossil finding sites as well as workshops and seminars with international scientists in Stuttgart and Prague. All prize winning contributions will be presented to the public in the scope of a travelling exhibition in Stuttgart, Prague and Vienna and shown on the project homepage.

### What you can submit:

- Drawings, paintings, computer graphics, cartoons and comics
- Three dimensional objects, models, sculptures and installations
- Films, animations and computer programmes
- Essays, articles, critiques, narrations, short stories and poems
- Music and songs

### Criteria:

The theme of the projects which are sent in is the setting of Europe in 100 million years time, as well as the development until then. All projects which are not in written form must also have a short explanation with them.

Your scenarios and models could account for changes due to future continental drift, orogeny (natural mountain building), climatic change (incl. global warming, new ice ages, deforestation, desertification etc.), sea level changes and correlated changes of shore lines, global catastrophes (e.g. meteorite impacts or Gamma ray bursts), mass extinction events and successive adaptive radiations (e.g. a new "Cambrian explosion"), and of course evolutionary transformations of plants, animals and man according to the changing environmental conditions. Let your fantasy flow, but keep your ideas reasonable. All proposed developments should be (at least theoretically) explainable with naturalistic causes only, thus by an unguided and undirected process of natural laws in action. All proposed evolutionary transformations of organisms should be explainable with the Darwinian mechanism of random mutation and natural selection. All proposed or implied intermediate stages should represent viable organisms.

### Participation and application procedure:

People over 18 years old who are interested in evolution as well as groups and institutions where all people are over 18 years. An official registration using the form on the homepage [www.evolution2009.de](http://www.evolution2009.de) must be carried out by 9th April 2009. All registrations will be listed by name on the homepage. All registered projects must be received by the jury in analogue or digital form by post or by email by 9<sup>th</sup> April (address below).

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Registration should be carried out using the form provided (From 15<sup>th</sup> January). This must be signed personally and the original should be sent to the jury by post from 10th January 2009 until 9<sup>th</sup> April 2009. All registrations will receive a postal confirmation. For three dimensional contributions reliable photographs are sufficient. In case of winning a prize the original must be brought with you, therefore when constructing it should be ensured that this can be sent as normal flight luggage without added costs. With their application the participant bindingly declares that their contribution does not infringe any laws or good manners..

### **Evolution camp:**

The prize winner will be informed in person and will be invited to the European evolution camp (from 25<sup>th</sup> May to 30<sup>th</sup> May in Stuttgart and Prague - date to be confirmed) and the prize giving in the natural history museum in Vienna. This will include: overnight stay with breakfast, catering during the workshop, bus journey from Stuttgart to Prague. You must plan your own outward and return journey and will get an allowance of €200 against proof.

### **Helpful Internet Links:**

#### **Continental Drift in the future:**

<http://www.youtube.com/watch?v=tv6p48v0meE&feature=related>

<http://www.scotese.com/futanima.htm>

[http://www.classzone.com/books/earth\\_science/terc/content/visualizations/es0807/es0807page01.cfm?chapter\\_no=visualization](http://www.classzone.com/books/earth_science/terc/content/visualizations/es0807/es0807page01.cfm?chapter_no=visualization)

[http://www.seed.slb.com/en/scictr/watch/living\\_planet/index.htm](http://www.seed.slb.com/en/scictr/watch/living_planet/index.htm)

<http://www.scotese.com/earth.htm>

[http://science.nasa.gov/headlines/y2000/ast06oct\\_1.htm](http://science.nasa.gov/headlines/y2000/ast06oct_1.htm)

[http://en.wikipedia.org/wiki/Continental\\_drift](http://en.wikipedia.org/wiki/Continental_drift)

[http://en.wikipedia.org/wiki/Plate\\_tectonics](http://en.wikipedia.org/wiki/Plate_tectonics)

[http://en.wikipedia.org/wiki/Continental\\_collision](http://en.wikipedia.org/wiki/Continental_collision)

#### **Mountain building:**

<http://en.wikipedia.org/wiki/Orogeny>

**Impacts:**

[http://members.optusnet.com.au/mpaineau/paine\\_bioastronomy02.pdf](http://members.optusnet.com.au/mpaineau/paine_bioastronomy02.pdf)

<http://users.tpg.com.au/users/tps-seti/bioastr2002.pdf>

[http://en.wikipedia.org/wiki/Impact\\_event](http://en.wikipedia.org/wiki/Impact_event)

[http://en.wikipedia.org/wiki/Gamma\\_ray\\_burst](http://en.wikipedia.org/wiki/Gamma_ray_burst)

**Ice ages:**

[http://en.wikipedia.org/wiki/Ice\\_age](http://en.wikipedia.org/wiki/Ice_age)

**Climate change:**

[http://www.globalchange.umich.edu/globalchange1/current/lectures/samson/climate\\_patterns/](http://www.globalchange.umich.edu/globalchange1/current/lectures/samson/climate_patterns/)

[http://en.wikipedia.org/wiki/Greenhouse\\_effect](http://en.wikipedia.org/wiki/Greenhouse_effect)

[http://en.wikipedia.org/wiki/Global\\_warming](http://en.wikipedia.org/wiki/Global_warming)

<http://en.wikipedia.org/wiki/Desertification>

**Mass extinction:**

[http://en.wikipedia.org/wiki/Extinction\\_event](http://en.wikipedia.org/wiki/Extinction_event)

[http://en.wikipedia.org/wiki/Extinction\\_event#Major\\_extinction\\_events](http://en.wikipedia.org/wiki/Extinction_event#Major_extinction_events)

**Books about speculative evolution:**

[http://en.wikipedia.org/wiki/Future\\_Evolution](http://en.wikipedia.org/wiki/Future_Evolution)

[http://en.wikipedia.org/wiki/The\\_Future\\_Is\\_Wild](http://en.wikipedia.org/wiki/The_Future_Is_Wild)

[http://en.wikipedia.org/wiki/After\\_Man:\\_A\\_Zoology\\_of\\_the\\_Future](http://en.wikipedia.org/wiki/After_Man:_A_Zoology_of_the_Future)

[http://en.wikipedia.org/wiki/Man\\_After\\_Man:\\_An\\_Anthropology\\_of\\_the\\_Future](http://en.wikipedia.org/wiki/Man_After_Man:_An_Anthropology_of_the_Future)

[http://en.wikipedia.org/wiki/The\\_New\\_Dinosaurs:\\_An\\_Alternative\\_Evolution](http://en.wikipedia.org/wiki/The_New_Dinosaurs:_An_Alternative_Evolution)