

# MINUTES FROM THE EDEN START-UP MEETING

Ca's Jai, Campus Universitat de les Illes Balears, Palma de Mallorca, Spain  
29-30 January 2007

*This was the first meeting of all participants in the EDEN project. It is by itself the first deliverable (D.6.2.1) and signals the first milestone (MI) in project development. It was used also as the first meeting of the Project Steering Committee.*

*The objectives were to provide an overview of the activities of the four participating teams, to present scientific results providing background for EDEN objectives, to have a global view of the project as a whole, and to plan the project activities, specially those to be carried during the first months.*

## List of attendants to the meeting:

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|-----------------|--|
| IMEDEA-UIB:     | <ul style="list-style-type: none"><li>• Emilio Hernández-García (emilio@imedea.uib.es)</li><li>• E. Alejandro Herrada (alejandro@imedea.uib.es)</li><li>• Alejandro Rozenfeld (alex@imedea.uib.es)</li><li>• Víctor M. Eguíluz (victor@imedea.uib.es)</li><li>• Carlos M. Duarte (carlosduarte@imedea.uib.es)</li><li>• Tomàs Sintès (tomas@imedea.uib.es)</li></ul> |
| CCMAR:          | <ul style="list-style-type: none"><li>• Gareth Pearson (gpearson@ualg.pt)</li><li>• Sophie Arnaud-Haond (sarnaud@ualg.pt)</li></ul>  |
| BioInf Leipzig: | <ul style="list-style-type: none"><li>• Konstantin Klemm (klemm@bioinf.uni-leipzig.de)</li><li>• Peter F. Stadler (studla@bioinf.uni-leipzig.de)</li><li>• Markus Riester (markus@bioinf.uni-leipzig.de)</li></ul>   |
| TKK/LCE:        | <ul style="list-style-type: none"><li>• Kimmo Kaski (kimmo.kaski@hut.fi)</li><li>• Jari Saramäki (jsaramak@cc.hut.fi)</li><li>• Jaakko Sarela (jaakkos@lce.hut.fi)</li></ul>   |

## AGENDA

### Monday, January 29, 2007

*The morning of the first day was devoted to presentations of activities of the participant groups, as a way to improve mutual knowledge of the different interests and expertises:*

Welcome and introductory remarks

09:30 - 10:15 - Overview of activities of the IMEDEA groups (Mallorca), Cross-Disciplinary Physics and Natural Resources.

10:15 - 11:00 - Overview of activities of the CCMAR MAREE group (Faro).  
Coffee break

11:30 - 12:15 - Overview of activities of the BioInf group (Leipzig).

12:15 - 13:00 - Overview of activities of the LCE group (Helsinki).  
Lunch

*The afternoon of the first day was devoted to presentations of recent scientific results related to the objectives of EDEN:*

15:00 - 15:55 - Neutral population genetic structure and adaptive evolution in marine plants and algae. Gareth Pearson & Sophie Arnaud-Haond (Faro).

15:55 - 16:25 - Identification of Homoplastic Characters in Multiple Sequence Alignments. Peter F. Stadler (Leipzig).

16:25 - 16:50 - Networks and cycle spaces. Konstantin Klemm (Leipzig).  
Coffee break

17:10 - 18:05 - Structural analysis of weighted complex networks, Jari Saramäki (Helsinki).

18:05 - 18:30 - Scaling properties in the Tree of Life. Alejandro Herrada (Mallorca).

18:30 - 19:00 - Networks of genetic similarity in populations of clonal plants. Alex Rozenfeld (Mallorca).

### Tuesday, January 30, 2007

*During the morning of the second day, the structure, tasks, deliverables, etc. associated to the different workpackages were discussed.*

09:00 – 13:00 – Detailed Workpackage discussions:

**WP1:** Data collection.

Discussion leader: CCMAR (Faro).

**WP2:** Network theory toolbox.

Discussion leader: LCE (Helsinki).

**WP3:** Dynamical and spatio-temporal modelling.

Discussion leader: BioInf (Leipzig).

**WP4:** Population ecology networks.

Discussion leader: CCMAR (Faro).

**WP5:** Phylogenies and the tree of life.

Discussion leader: IMEDEA (Mallorca).

**WP6:** Management and assessment.

Discussion leader: IMEDEA (Mallorca).

## Lunch

15:00 - ...

*The afternoon of the second day was the time for discussions on the different formats in which data and results should be stored and interchanged.*

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Most of the meeting discussions confirmed and made more concrete the tasks specified in the *Description of the Work* document.

For future reference, and because they are among the first deliverables to be due, we summarize here some basic requirements established for the Project webserver (D6.1) and the internal version of the Project Software Toolbox (D2.1):

The Project webserver should be organized in a public and a private areas.

- The public area should contain a Project description, partner listing, and dissemination material.
- The private area should allow the use of mailing lists, and to provide tools to share and deposit software, data, bibliography, and completed deliverables.

TKK/LCE is beginning to collect the software specifications for the 'Software Toolbox' of Workpackage 2. Some of the initial requirements already established are:

- The Toolbox should work both with a graphic interface and without it (by using command line instructions).
- All the results and output should be done, at least, as flatfiles.
- Interoperability (Win, Unix, Mac) is important. Python may be a good language for that.
- The Toolbox should be able to perform standard calculations on unweighted and weighted networks, as well as to use correlation and distance data and to introduce different kinds of thresholding.