

## iCCB meeting in Helsinki 13.-15.9. 2010

Present:

Mikael Fortelius  
Gregory Dietl  
Kai Puolamäki  
Jussi Eronen  
Jukka Jernvall  
Marianne Fred  
David Polly participated via Skype

-Greg Dietl gave a presentation on Conservation paleontology and adding evolution to climate models.

-Mikael Fortelius gave a presentation on iCCB background and ideas presented at the first Helsinki iCCB meeting in September 2008.

After the presentations there was free discussion on the presented topics.

We started the day by discussing and making decisions on the following topics;

-Continuing iCCB. Everybody present was asked whether participating in the program still is worthwhile for them, and everybody agreed that as far as topics related to their own work are concerned the program is still interesting. It was decided to continue the program and also continue the loose structure that allows members to participate in projects/papers that are interesting to them personally/professionally.

-The form and function of iCCB. After some discussion it was agreed that iCCB would not be applying for a large grant such as Human Frontiers due to the loose structure of the program. Instead it was decided that the program will be made up of a number of smaller projects with their individual coordinators and persons in charge. Two coming projects were decided on (see below). The meeting welcomes any other suggestions on projects as well, and would be very happy to assist in finding collaborators within the program for future projects.

-Net based teaching was discussed and it was decided that developing an entire net-based teaching program is out of the scope of the current iCCB-program. Recording lectures of a general kind given at meetings within the program and putting these out on the homepage was suggested and recordings were decided to start at the next iCCB meeting.

-Common research interests of the group gathered were identified as being the following;

- Extinction, causes and predictability
- Adaptation, circumstances for them to arise
- Traits, heritable and acquired
- Interactions, individual taxa versus assemblages
- Occupancy as a method

-Based on the discussions on common interests the scientific content of the near future was decided on. The questions to focus on are;

1. What are the conditions causing innovations to occur? The fossil data on marine invertebrates can provide data on innovations (morphological features or traits that for instance allow the exploitation of a new resource, escaping predation, or increasing competitive potential), independent proxies for environmental conditions, and a spatio-temporal approach.
2. How do species interactions change with changing climate? A modeling approach jointly with the Senckenberg institute.
3. What are the conditions causing replacement of communities?

The list is by no means exclusive, we emphasize that other initiatives are more than welcome.

-Future workshops were decided to be;

1. iCCB workshop, somewhere in the two last weeks of October 2011 in Frankfurt
2. Marine and Terrestrial – Past and Present. Developing a framework for trait based approaches. To be held in Berkeley.
3. IUBS General Assembly October 2012 in China. A joint symposium with the Biological Consequences of Global Change program.

All members of the program are encouraged to think of potential participants to the meetings. The meetings will be held relatively small (max 30 participants) to allow for discussions.