



Preliminary Announcement

Competition of Virtual Modules under Mathematics of Planet Earth Theme

The modules submitted to the competition will be part of an Open Source Virtual Exhibition on the theme of Mathematics of Planet Earth. They modules could be reproduced and utilized by many users around the world from science museums to schools under one of the following licenses:

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The exhibition will have a virtual part, as well as instructions to realize material parts. Examples of modules or of themes to be covered will be available in the fall. To stimulate imagination on the many domains where mathematics plays a crucial role in planetary issues the following (non exhaustive) **four themes** are proposed:

I. A planet to discover: oceans; meteorology and climate; mantle processes, natural resources, celestial mechanics

II. A planet supporting life: ecology, biodiversity, evolution

III. A planet organized by humans: political, economic, social and financial systems; organization of transport and communications networks; management of resources; energy

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IV. A planet at risk: climate change, sustainable development, epidemics; invasive species, natural disasters

The modules submitted to this competition can be of **three forms:**

- **A module explaining how to realize a physical module in a museum.**
- **An interactive exhibit to be watched either on the web or in a museum.**
- **A film or image(s).**

The modules submitted should include both the instructions to realize the material module (physical module), installation instructions including technical requirements (interactive exhibit) and the accompanying scientific explanations for the public.

Competition period, jury, prices

The competition will be open **from January 2012 to May 15, 2012.**

The prize winners will be selected by an international jury nominated by the partners running the competition. **The prize winners will be announced in August 2012.**

More details to come in Fall 2011...