

WORKSHOP

CLIMATE CHANGE Adaptations and Extinctions

Organisers

Cristina Giacoma, Peter Narins and Patricia Wright

August 24, 2009 – h. 13.30

**Museo Regionale di Scienze Naturali
V. Giolitti 36 – Torino - Italy**

It is important to meet together in order to discuss the main critical points on how climate changes will effect the living organisms. We will try to highlight causes and effects in order to try to understand the main dynamics to produce predictions, which allow us to address on solid scientific bases the political interventions on changing human behaviour to reverse the problem. That is to have valuable insights starting from the knowledge of real organisms biology, looking to long term series of data, find a way to integrate all different information to distinguish the relative effects of different environmental negative pressure and estimate their potential combinatory effects.

Moreover, a global problem requires a high collaborative effort among all researchers and we have to look for new ways and new instruments of collaboration, such as common databases. The symposium will put together scientists with a deep experience on the field and different disciplines in order to come out during the final panel discussion with a useful synthesis on what we have to focus and new directions.

List of speakers

13.30 Welcome

Cristina Giacoma (Univ. of Torino) Introduction

14.00 Carlo Cerrano (Univ. of Genova) Climate change and the loss of marine ecosystem engineers

14.25 Irene Keller (Univ. of Bern) The role of adaptive genetic diversity in changing (aquatic) environments

14.50 Franco Andreone (MRSN, Torino) Global warming and extinction risks for amphibians in Madagascar, an overview

15.15 Patricia Wright (ICTE-Stony Brook) Will climate change effect lemurs?

15.40 Coffee Break

16.10 Peter Narins (UCLA) The effect of climate change on vocal communication in amphibians

16.35 Phillip Gienapp Could migration time in birds evolve in response to climate change

17.00 Roger Thorpe (Bangor University) Climatic adaptation in Lesser Antillean anoles

17.25 Panel discussion

18.10 Aperitif

Scientific secretariat

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