

Minimisation of and Adaptation to Climate change Impacts on biodiversity



www.macis-project.net

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The project is funded by the European Commission (FP6)

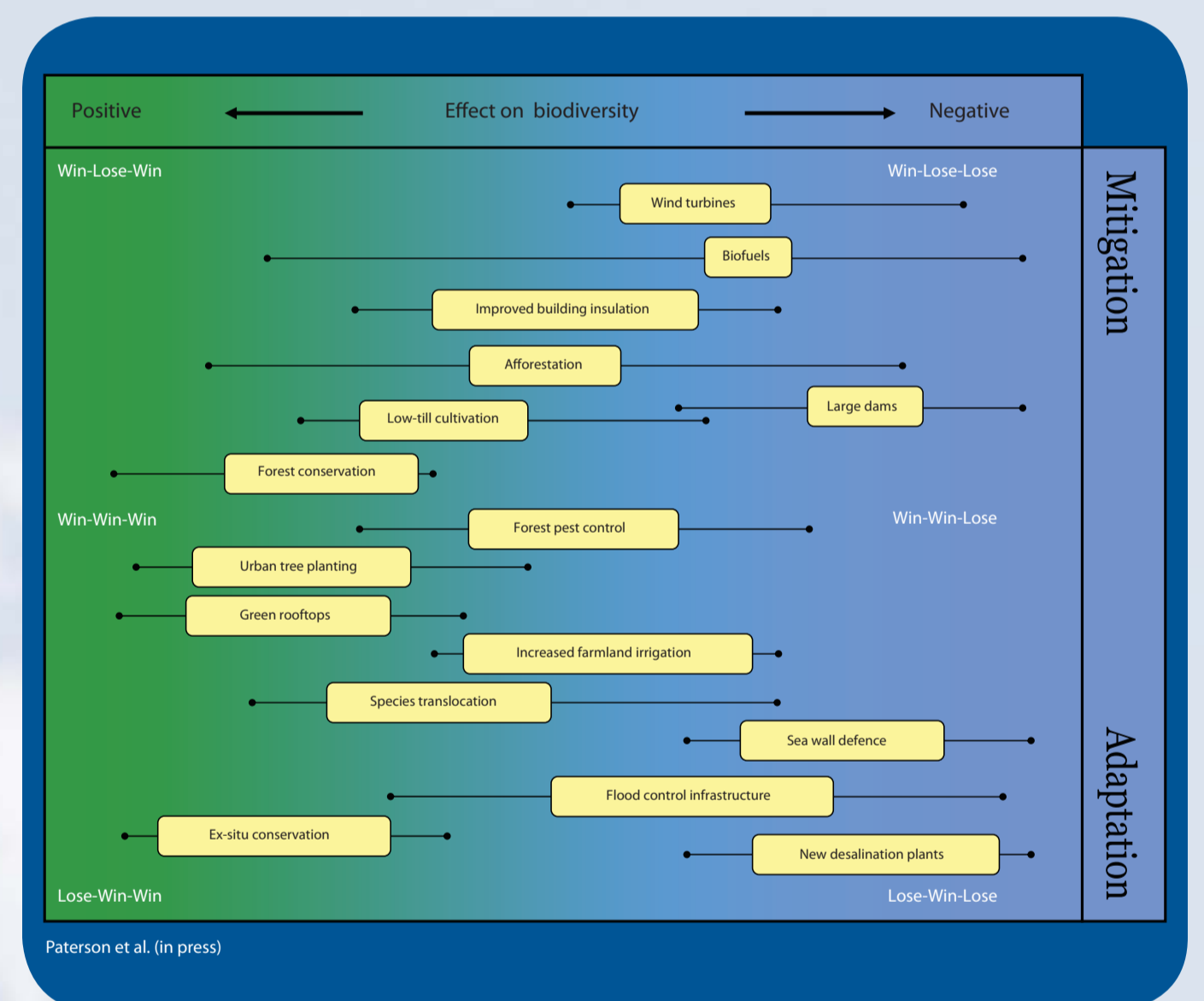


MACIS is a 2-year project, started in November 2006. It is closely linked to two other EU Projects: COCONUT (www.coconut-project.net) focusing on landscape changes, and ALARM (www.alarmproject.net).

MACIS

- provides a detailed assessment of already observed and of potential impacts of climate change on biodiversity;
- explores the impacts of measures to adapt and to mitigate climate change in comprehensive assessment;
- is developing advanced prediction models and identifying policy options to prevent and minimise negative impacts from climate change;
- supports policy makers and stakeholders to gain an overview of climate change-related effects on biodiversity and to make decisions despite uncertainties.

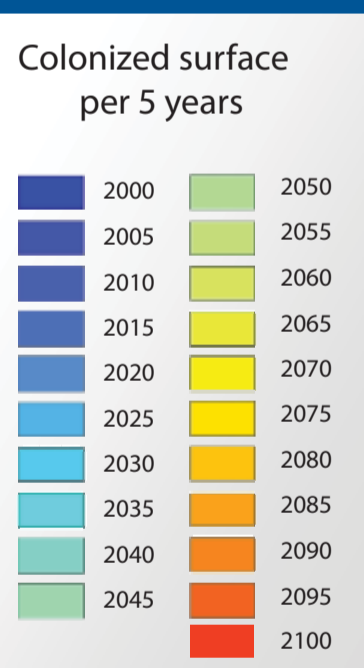
MACIS partners have published 33 papers so far (www.macis-project.net/pub.html) in authoritative international journals. A brochure summarising the main outcomes of the project and offering recommendations to support EU policy on climate change mitigation and adaptation measures will be published at the end of the project.



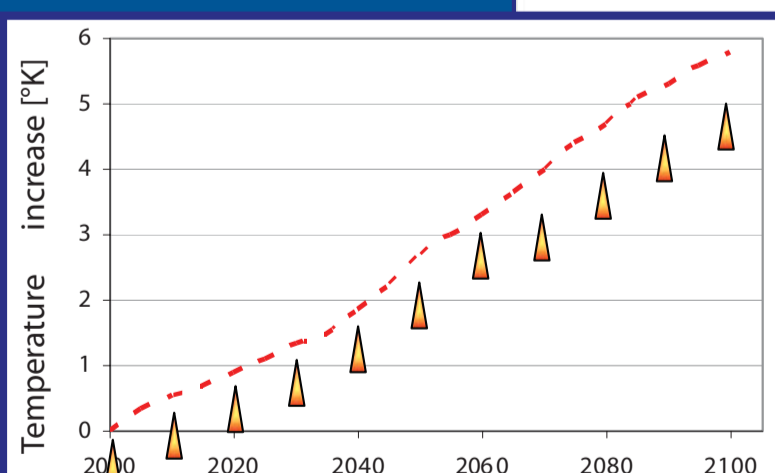
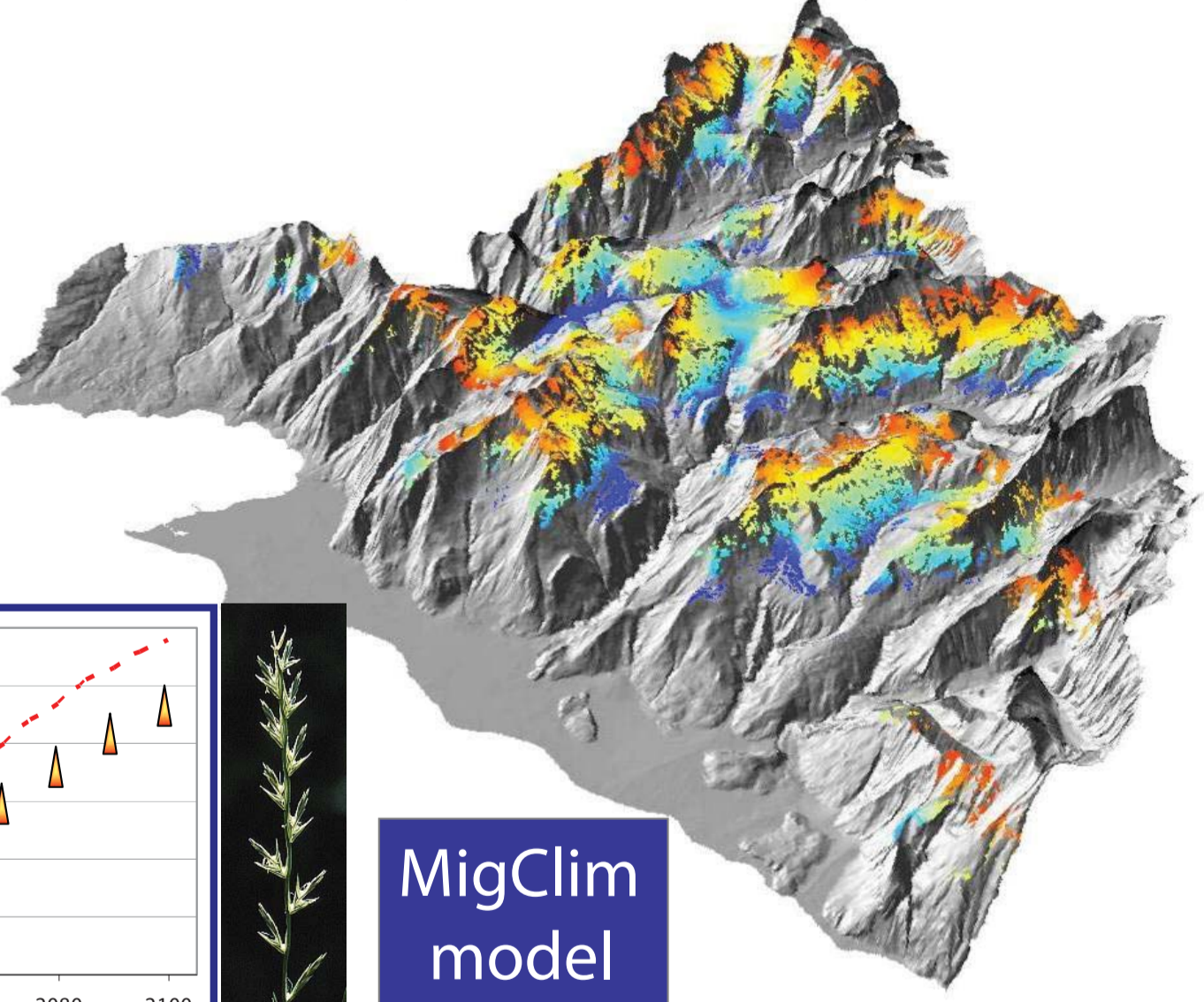
MACIS work package 4 is reviewing:

- selected strategies/plans at EU and national level for climate change and biodiversity;
- EU sectoral policy, to identify policies interacting with climate change and biodiversity;
- options for responses by sectors to cumulative effects upon biodiversity;
- use of scenarios/futures work;
- policy/plan assessment measures (of impacts, compliance) for policy integration.

Transient plant dispersion with warming



L. perenne, +5.8°C by 2100, dispersion: 40 m/yr



MigClim model

Engler & Guisan (in review), Randin et al. (to be submitted)

The MACIS partners

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Centre de la Recherche Scientifique – Laboratory of Alpine Ecology
University of Lund

University of Oxford
Université de Lausanne
Pensoft Publishers
Consejo Superior de Investigaciones Científicas

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