









biodiversity, habitats and ecosystem

services 6–7. Sept. 2012

CLIMES-project:

'Impacts of climate change on multiple ecosystem services: processes and adaptation options at landscape scales'

- Joint research project funded by the Academy of Finland and the Chinese Academy of Sciences
- Partners:
 - SYKE
 - University of Helsinki
 - Research Center for for Eco-Environmental Sciences (RCEES), Beijing
- Duration: 2012-2014





Work packages in CLIMES

CLIMES-SYMPOSIUM
Remote sensing in
the mapping of
biodiversity, habitats
and ecosystem
services

6-7. Sept. 2012

- WP1: Water based services
 - Water resources
 - N-retention
 - Erosion processes
- WP2: Carbon sequestration services
 - YASSO soil-C model
 - JSBACH-model
- WP3: Spatial extrapolation and ecosystem service valuation



Main research areas in CLIMES





Expected results of CLIMES-project

CLIMES-SYMPOSIUM
Remote sensing in
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- New process understanding about the controls, interactions and trade-offs of key ecosystem services
- Development and application of advanced mathematical and extrapolation tools for simulating impacts of future climate and land-use scenarios, and assessment of adaptation options
- Enhanced cooperation and integration of knowledge between ecosystem researchers in China and Finland
- Training of students and opportunities for Post Doc researchers

