

LUC4C - Land-use change: assessing the net climate forcing, and options for climate change mitigation and adaptation

Obser

vations

Proce

Land

resources

Obj. (1)

Economy,

Society

Obj. (2)

Policy,

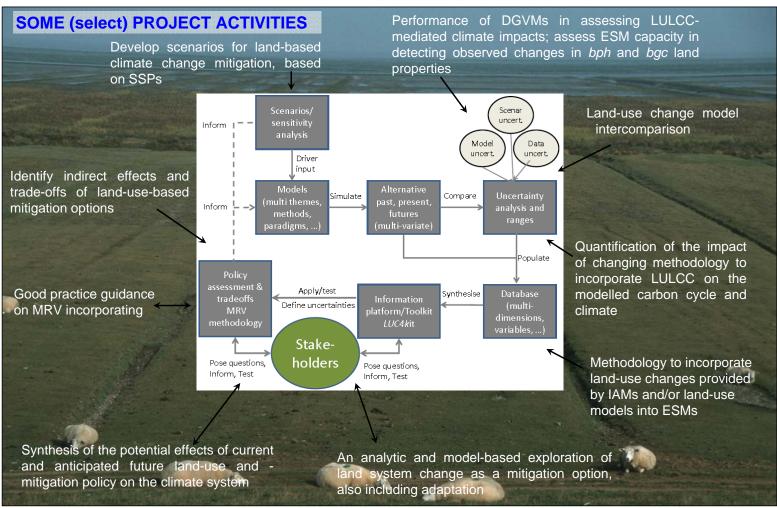
Obj. (3)

Ohs

оы. (3) Climate

OBJECTIVES

- enhance our ability to understand the societal and environmental drivers of land-use and land-cover (LULCC) change relevant to climate change, and assess regional and global effects of different land-based mitigation policies and adaptation measures within alternative socio-economic contexts;
- (2) advance our ability to represent LULCC in climate models and quantify how the LULCC-climate change interplay affects global *vs.* regional, and biophysical *vs.* biogeochemical ecosystem-atmosphere exchange;
- (3) assess LULCC-climate effects on multiple ecosystem services and analyse these in relation to other societal needs that provide either a synergy or trade-off to land-based climate mitigation and adaptation.



- > EU FP7 Integrated project: 603542 LUC4C
- > Duration 48 months, starting 1 Nov. 2013
- >15 Partners from 11 EU and non-EU countries
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