

CACHES

Climate Adapted Crop Health Expert System

Climate-KIC Theme	Climate – assessment and identification of drivers
Project duration	01.01.2011 – 31.12.2013
Lead partner	Potsdam Institute of Climate Impact Research PIK
Project lead	F.-W. Gerstengarbe
Project type	Innovation



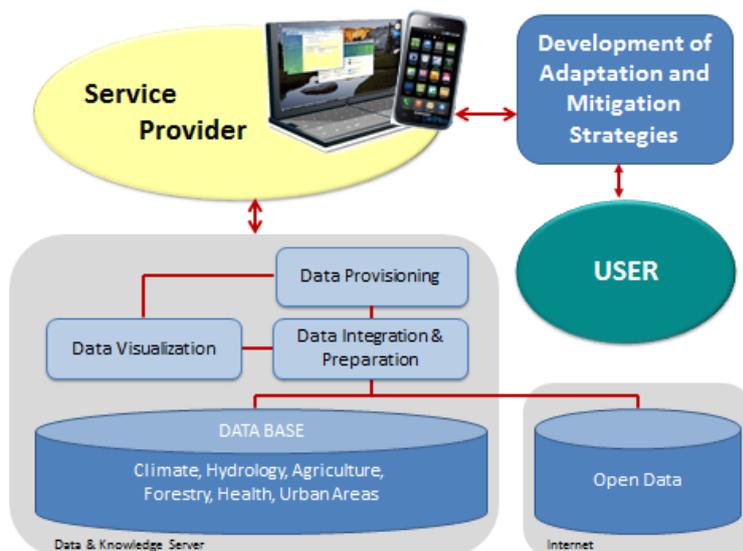
Concept

CACHES aims at the development of a client-server based system, which couples actual climate and future climate scenarios with the resulting impacts in the fields of hydrology, agriculture, forestry, energy, health and tourism.

Access will be provided via mobile (such as iPad) and for web-enabled devices as used in offices (such as standard PC). Within the pilot study, the model chain will be provided for Germany to start with. The aim is, however, to deploy this information for a possibly highest number of

regions and users worldwide by developing tailor made product solutions for the respective sectors. Further collaborations and increased Entrepreneurship and Education activities are currently in preparation with the German Climate-KIC authorities.

Overview



Deliverables

- Scenario related **data basis**
- Pilot **information tool**
- Marketable **client-server based system** enabling users to obtain constantly up-to-date information
- Possibility to develop **adaptive and preventive strategies** for vulnerable areas
- Potential **Education activities** worldwide

Partners

PIK

WetterOnline

Bayer Crop Science (in discussion)

Deutsche Gesellschaft für
Internationale Zusammenarbeit
GmbH GIZ (in discussion)

Further corporate partner

Role in project and competences

Using statistical models to develop climate scenarios

Subcontractor developing the client-server platform

Providing a market analysis regarding the tool's usage in the agriculture sector

Education and dissemination activities; currently first workshop planned to prepare a possible co-operation

The project searches for a company which envisages developing consultancy services and/or a marketable product for adaptation strategies for specific sectors