

DECOVER – DEVELOPING A METHODOLOGY TO UPDATE LAND COVER DATA FOR PUBLIC AUTHORITIES IN GERMANY

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Objectives

DeCOVER (www.decover.info) will develop and demonstrate innovative and cost-efficient geo-information services to provide and update land cover data in Germany to support the implementation of European directives and their national and regional implementation. The main objectives of DeCOVER are:

- to develop a service concept of core services and additional services to provide land cover information based on user needs at various scales
- to employ latest ontology-based semantic interoperability techniques to define interoperability potential between different land cover data bases :
- improve existing land cover data sets by integration of new information
- to increase information depth using optical and radar satellite data (data fusion)

Methods

DeCOVER will develop the following innovative technical and scientific approaches and methods

- DeCOVER Object catalog based on user requirements, interoperability potential and cost-benefit analysis
- Semantic Interoperability using ontologies
- innovative object based change detection methods using optical and SAR data
- Data fusion Optical-Radar data to increase information depth for specific applications

Anticipated Results and deliverables

DeCOVER will deliver a validated concept to provide geoinformation services meeting the growing demand by users to support them in their monitoring and reporting obligations. These services will allow to improve existing data sets as well as provide new data information using innovative interoperability techniques and latest satellite technologies.

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