

# Lifewatch-WB : Open geodata for biodiversity

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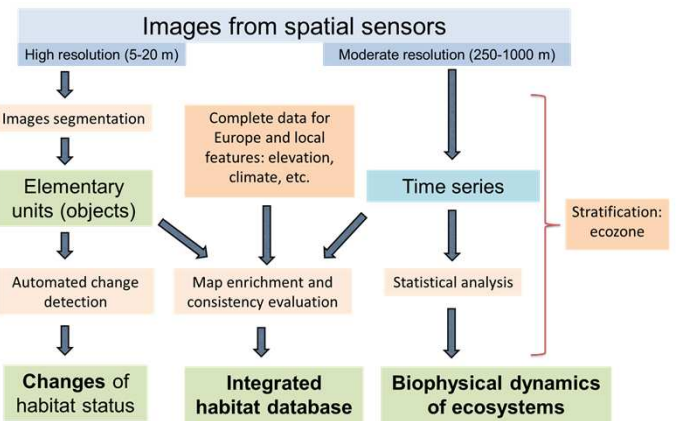
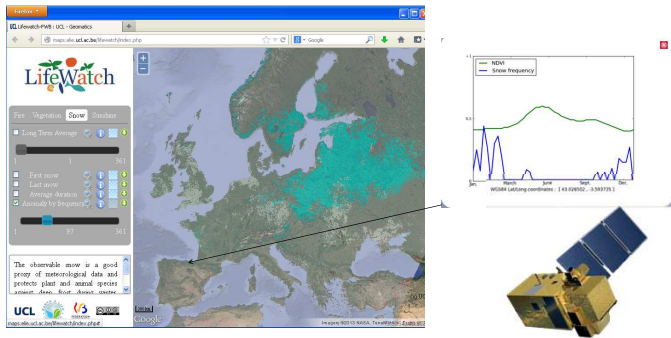
## Objective

To provide geographic information for biodiversity and ecosystem research based on GIS analysis and classification of up-to-date remote sensing data. The integrated database will provide open and ready to use information for a large range biodiversity and ecosystem mapping projects.

## Context

Lifewatch is an European Research Infrastructure Consortium in construction, currently involving seven European countries. It aims at building a distributed e-Infrastructure for biodiversity research. Lifewatch-WB, which focuses on ecosystem mapping, is one of the Belgian in kind contributions.

## WebGIS for near real time products



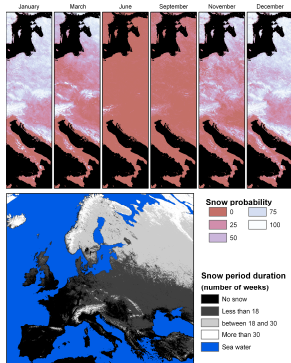
## Dynamic components of land cover

The observable land cover phenology is summarized from 13 years of remote sensing data analysis. Long terms averages and anomalies are available to characterise ecosystems and highlight extreme events.

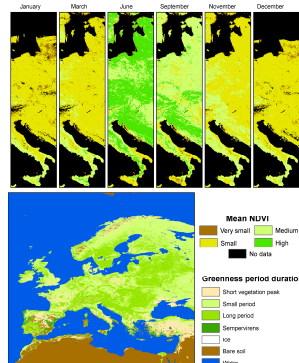
## High resolution regional products

The generic database is tuned based on the development of new models for biotopes and habitats mapping. Those models provide meaningful information about the key observable parameters and the potential biodiversity of the ecotopes.

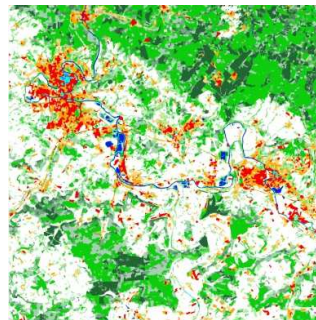
### Snow time series



### Vegetation time series



### 5 m resolution database



### Badger habitat model

