Norway grants

The National Centre for Research and Development

Prototype of the InCoNaDa application for integration of LCLU information in Poland

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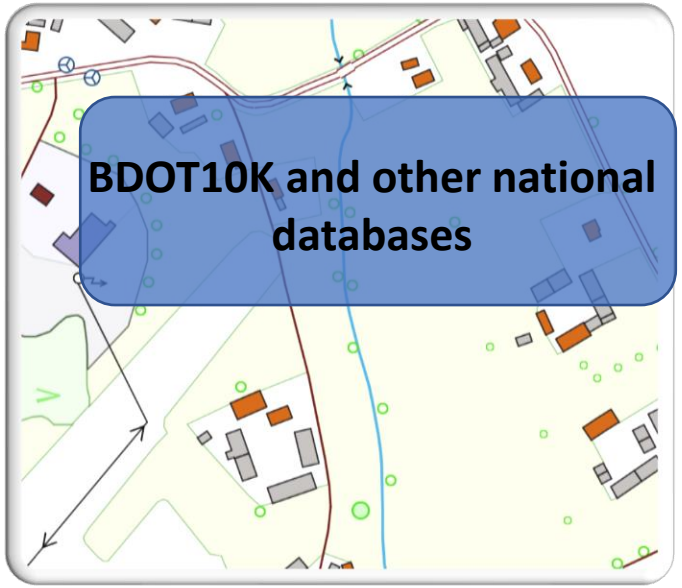
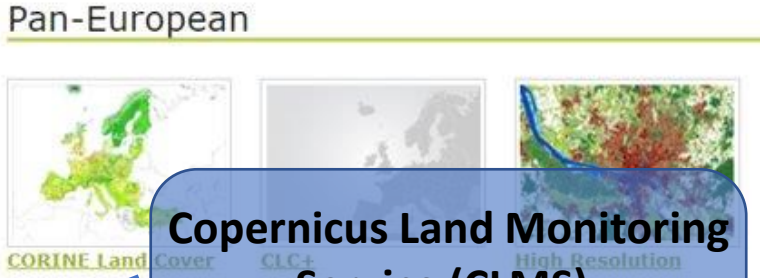
Datastes



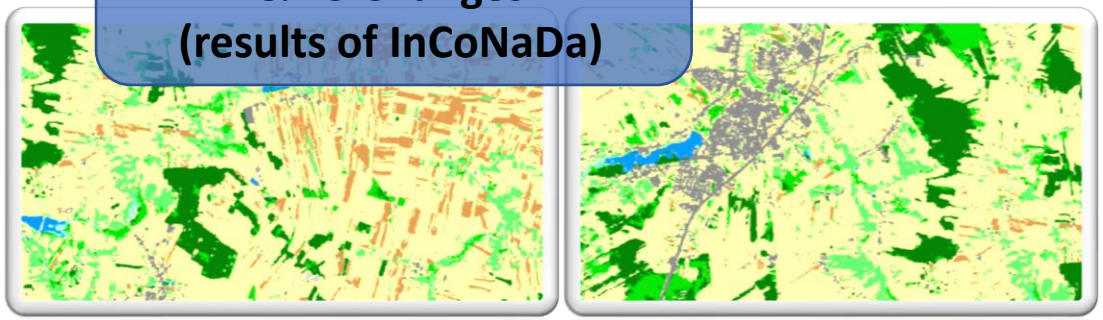
BDOT10K and other national databases

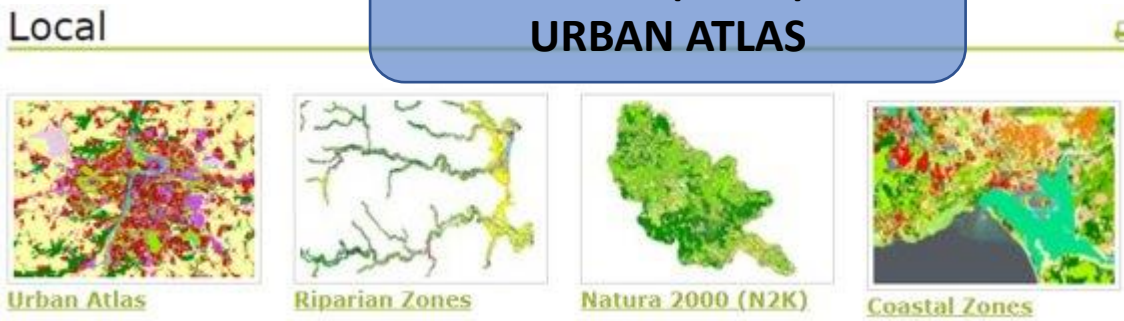


Copernicus Land Monitoring Service (CLMS): HIGH RESOLUTION LAYERS 2015, 2018

DATA INTEGRATIONS
GRID approach

Land Cover Classification & LC-Changes (results of InCoNaDa)





Copernicus Land Monitoring Service (CLMS): URBAN ATLAS

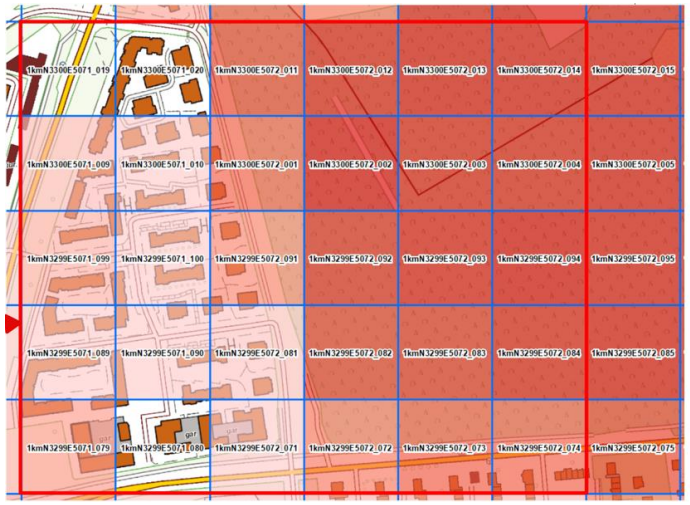
Data integration

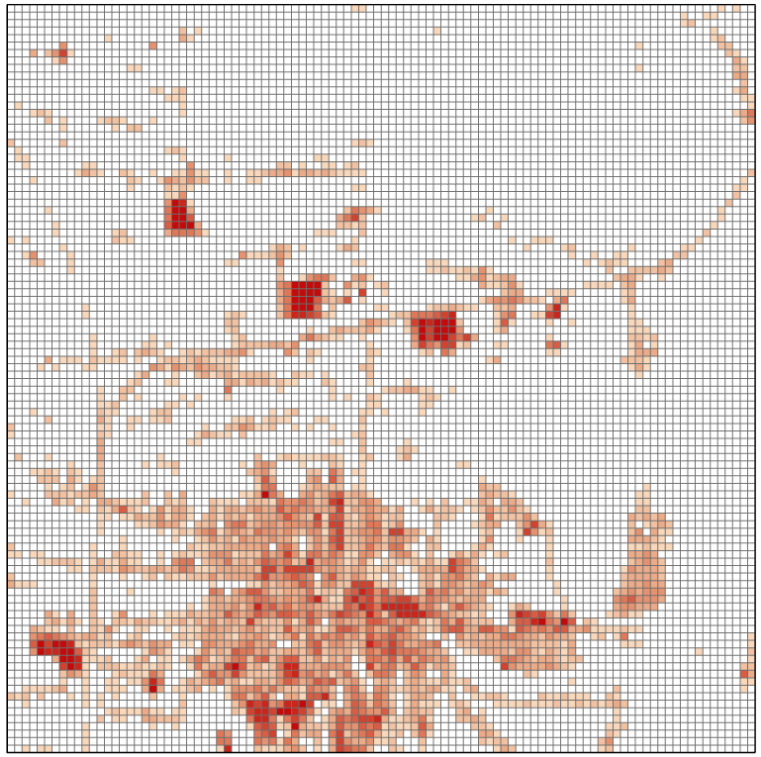
Poland: 100 x 100 m grid
MMU = 1 ha
(31 millions of cells)

City of Łódź: 10 x 10 m grid
MMU = 100 m^2
(3 millions of cells)

Each cell contains statistics on:
- proportion of the LC, LU, Land characteristic
- average value of LC, LU, Land characteristic

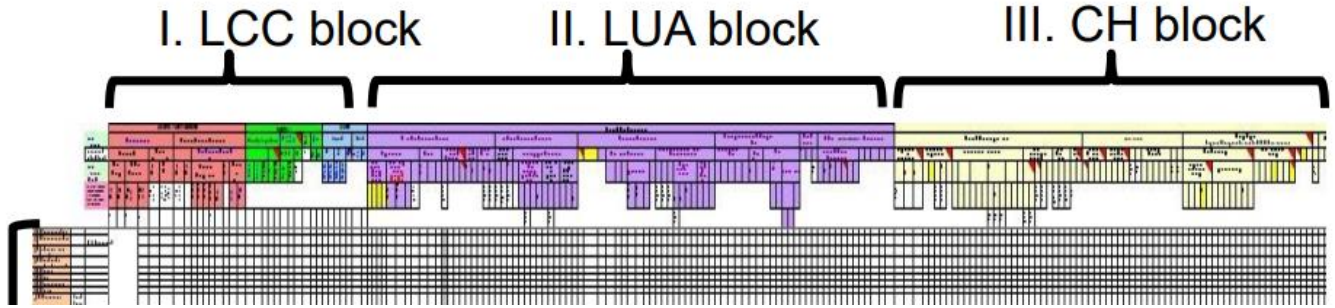
EUROSTAT 1x1 km grid



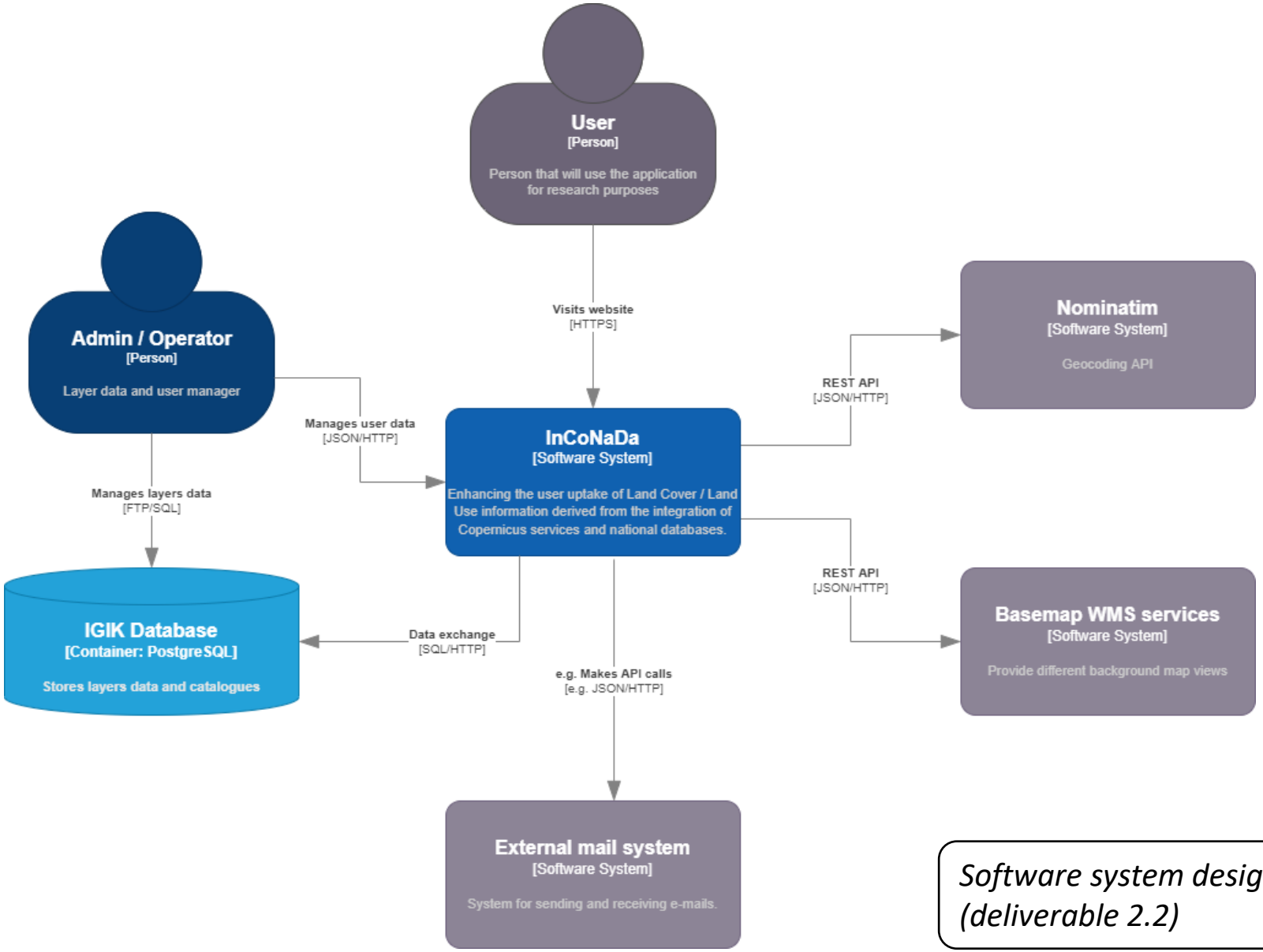


EAGLE concept:
https://land.copernicus.eu/en/eagle

Structure of the EAGLE matrix



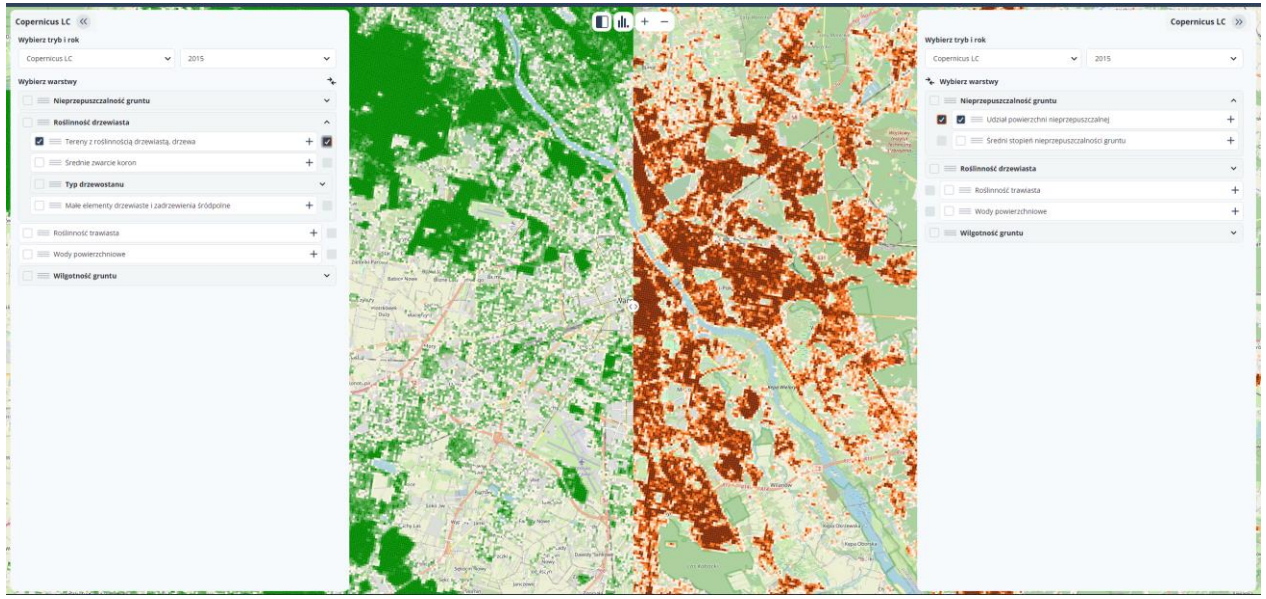
System architecture



Software system design (deliverable 2.2)

Requirements and functionalities

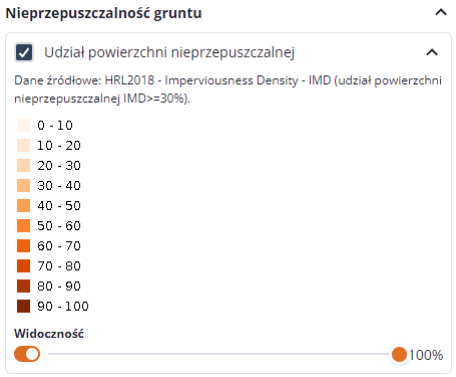
AIM: to design and development the user friendly, web-based, responsive, intuitive application, which allows for browsing, visualisation and comparison of the LC, LU and land characteristic data derived from different sources.

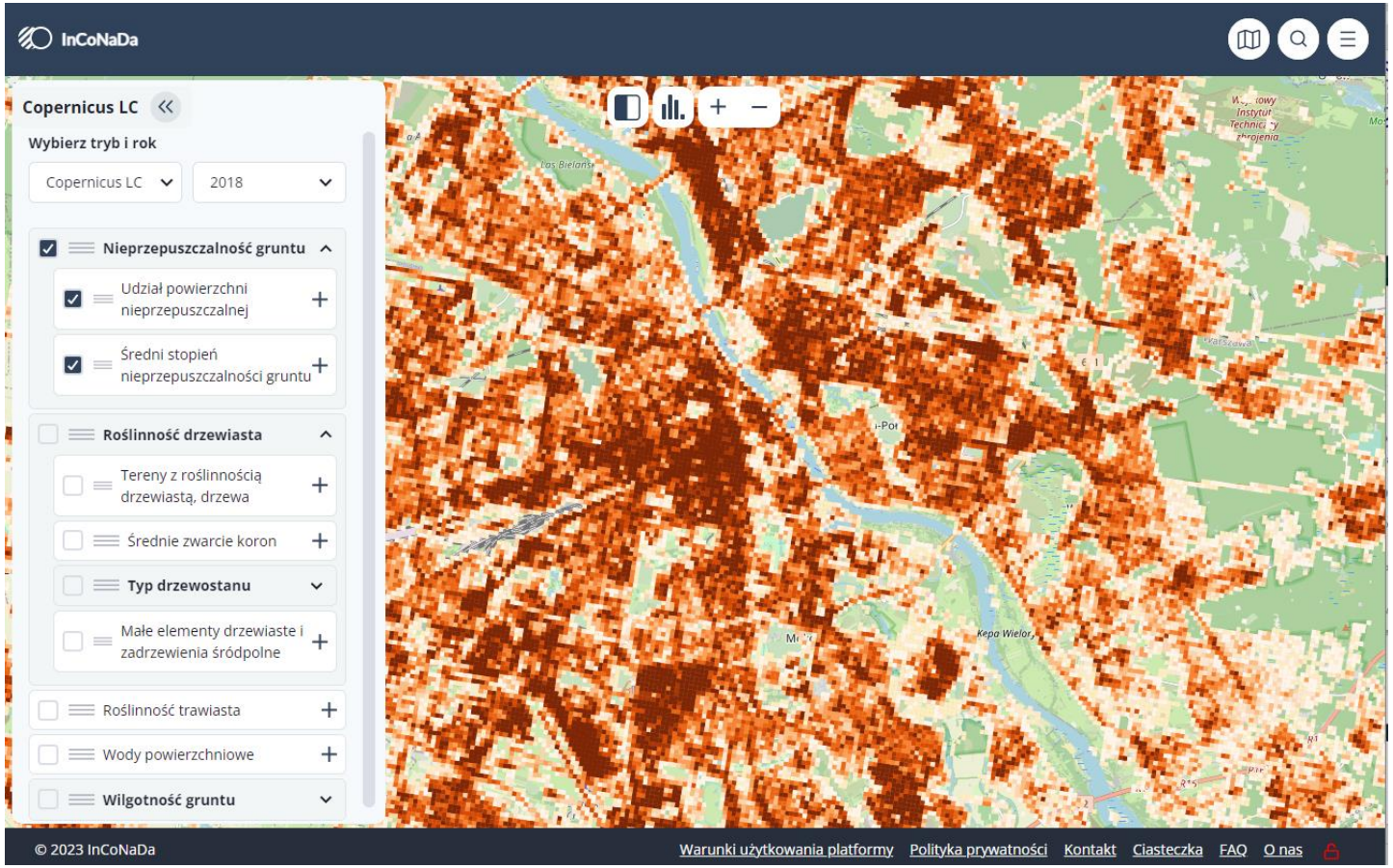


Functionalities:

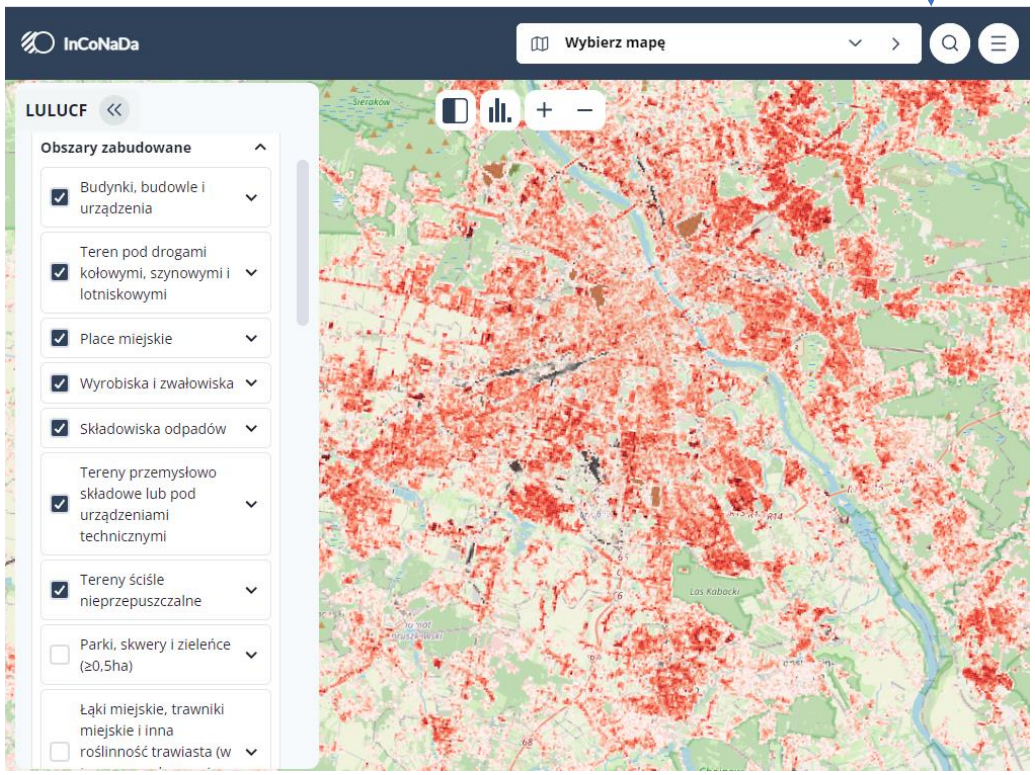
- Visualization and comparison of data between years and sources;
- Calculation of statistics for the predefined areas (administrative divisions, protected areas) and areas defined by users;
- Generation of maps and interactive reports adjusted to user need;
- Data export.

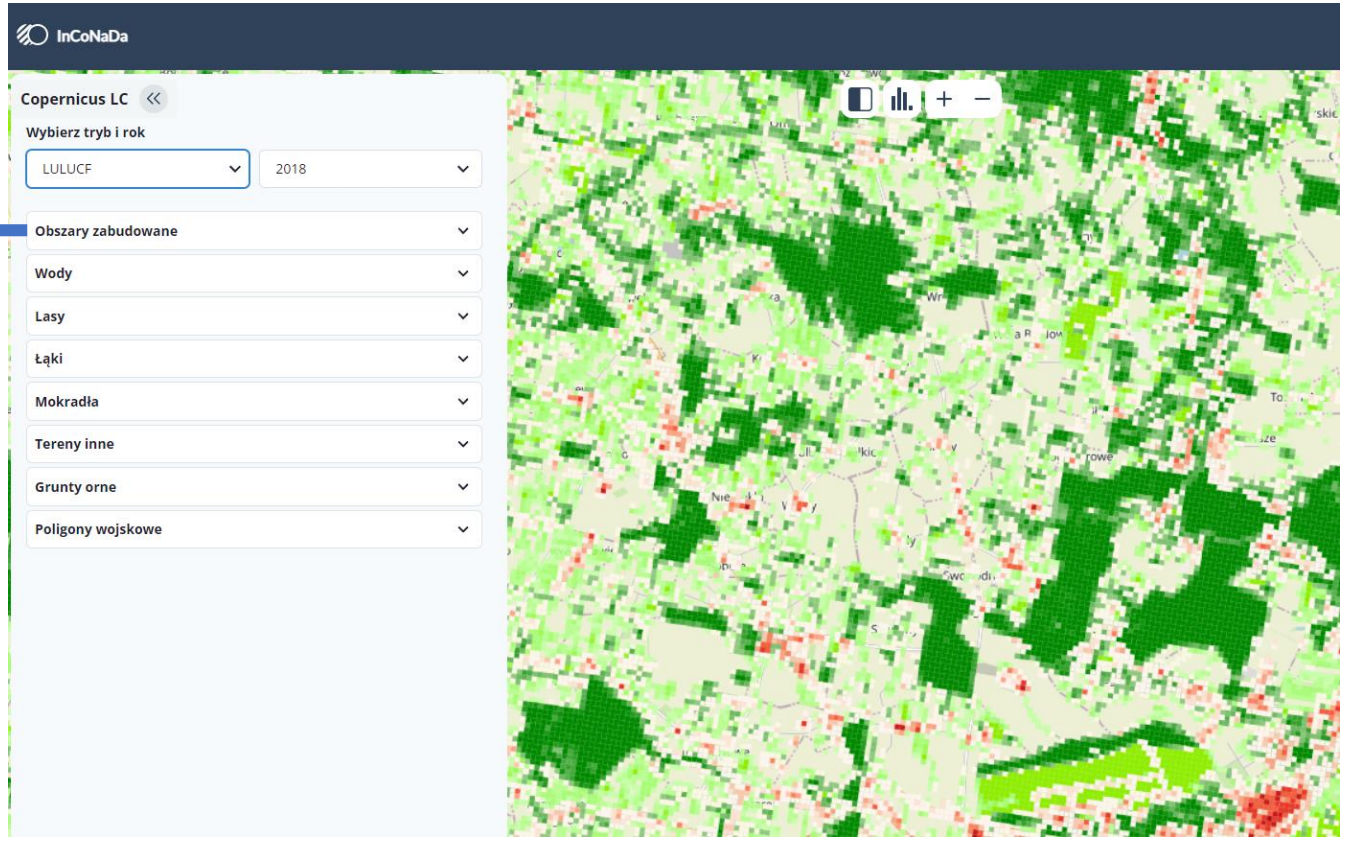
Application – version alfa



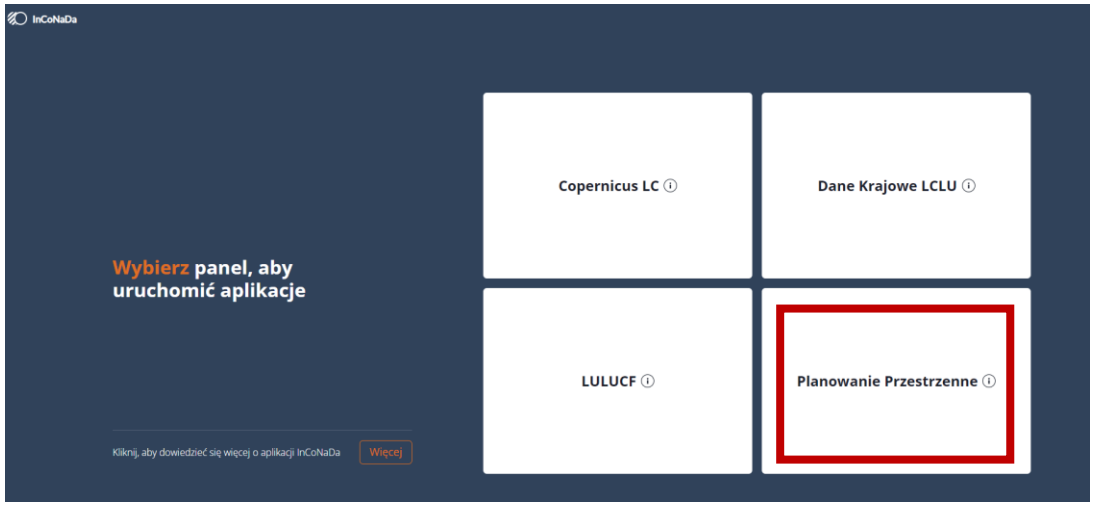


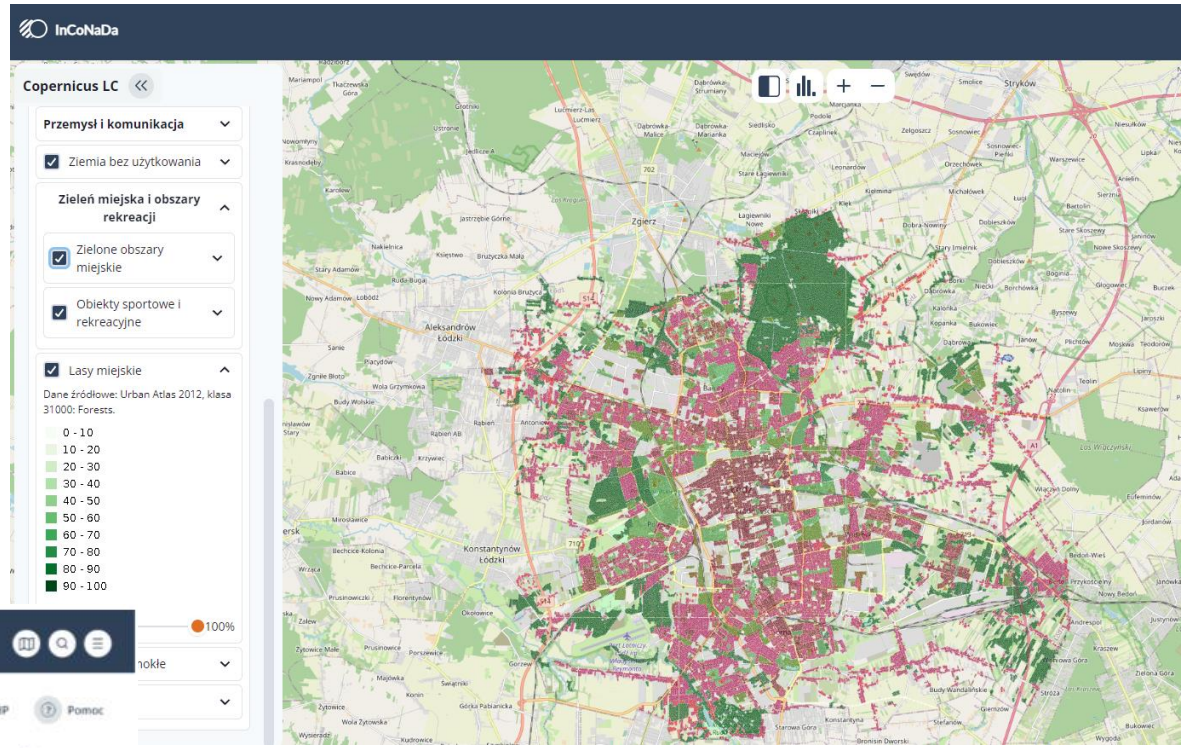
Application – version alfa

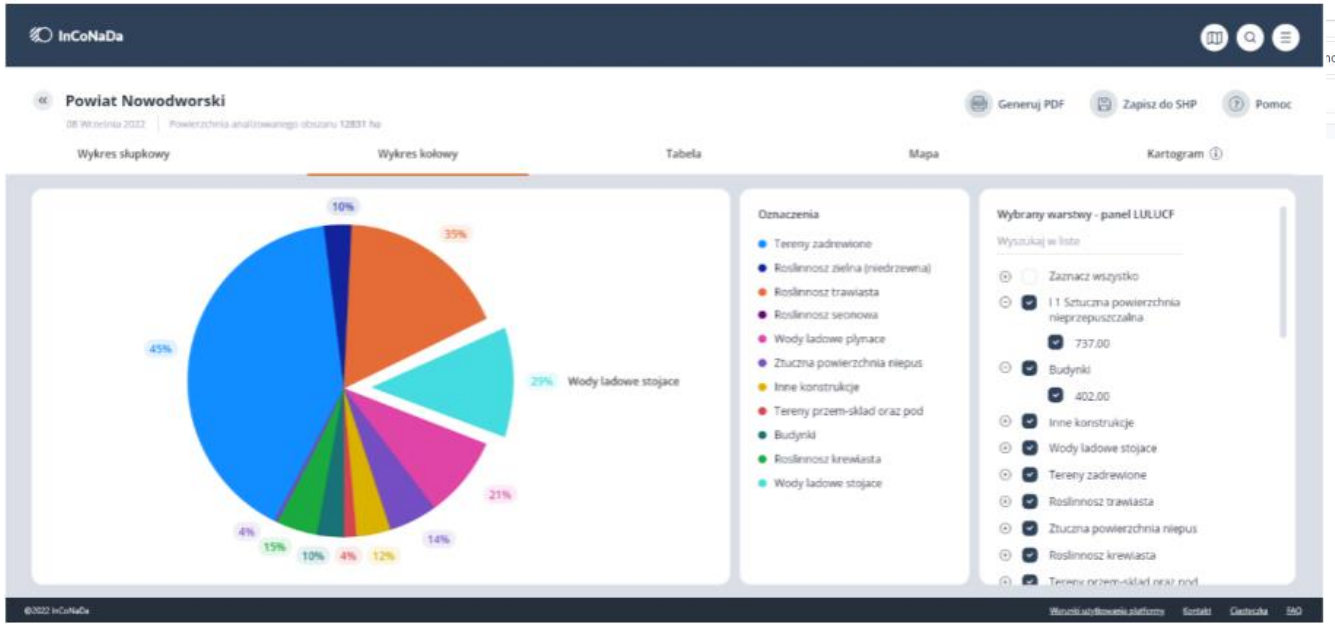


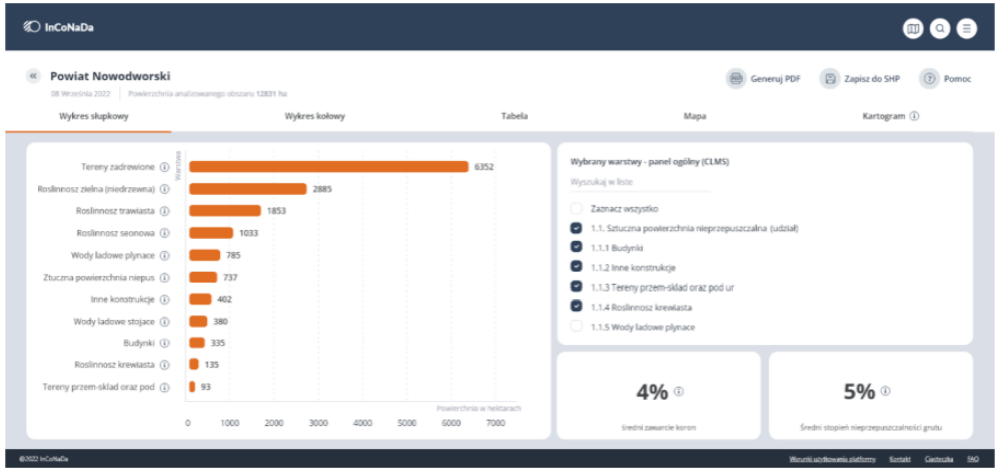


Application – version alfa









Current stage and plans

The application is currently subject to internal verification.

Planned development of tools in the application:

- Matomo (analysis of access and traffic on the website)
- PDF and SHP download in reports (SHP for logged in users)
- Improving functionality after internal tests
- calculation of statistics for any area marked on the map or based on the loaded range in the SHP file
- Scaling side panels
- Maps show defined areas
- Finalising the template for reports
- Adding the LCLU data from the year 2021.

! Final version of InCoNaDa application will be released in January 2024 !

Norway grants

The National Centre for Research and Development

Thank you for your attention

https://www.inconada.eu/

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