

Republic of Estonia Ministry of the Environment







State Regional Ministry of Culture Development Agency Republic of Latvia Society Integration Foundation Republic of Latvia

## Green infrastructure mapping approach in LIFE LATESTadapt project

Ivo Vinogradovs

University of Latvia/Baltic Environmental Forum-Latvia

LIFE LATESTadapt international workshop

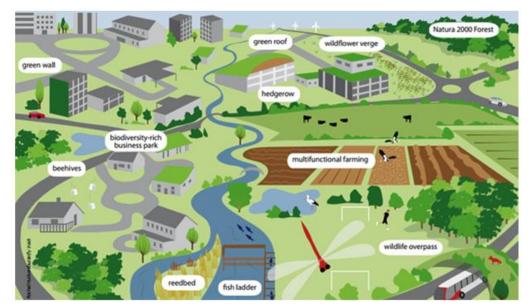
13.06.2023., Riga, Latvia



## Context

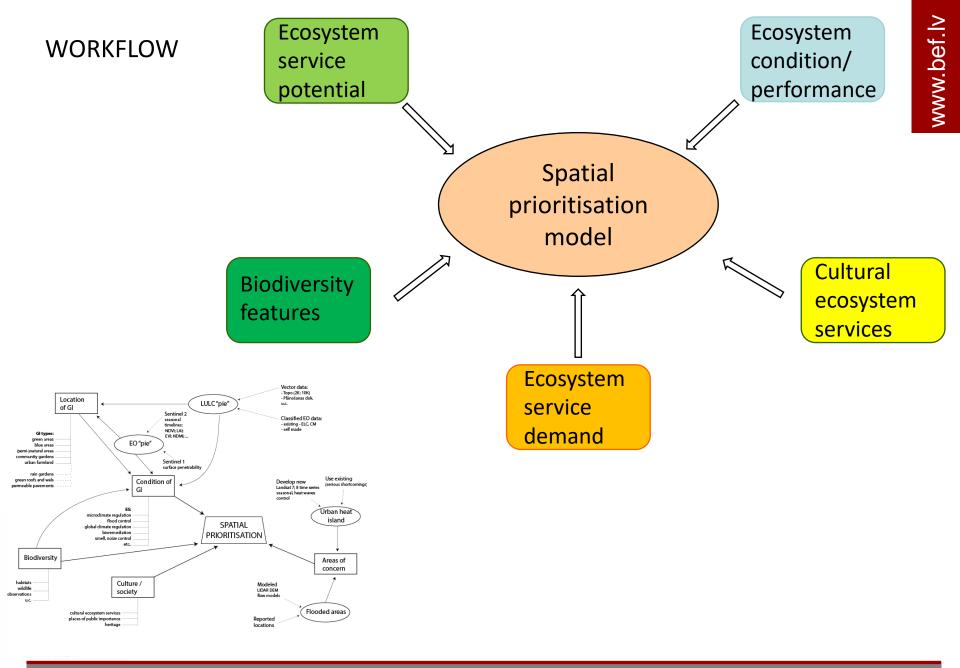
### Green infrastructure

..strategically planned network of natural and semi-natural areas, which include other environmental features designed and managed to deliver a wide range of ecosystem services



https://biodiversity.europa.eu/green-infrastructure

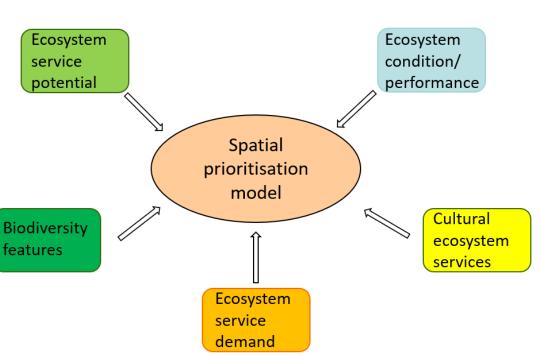




## **Spatial (conservation) prioritisation**

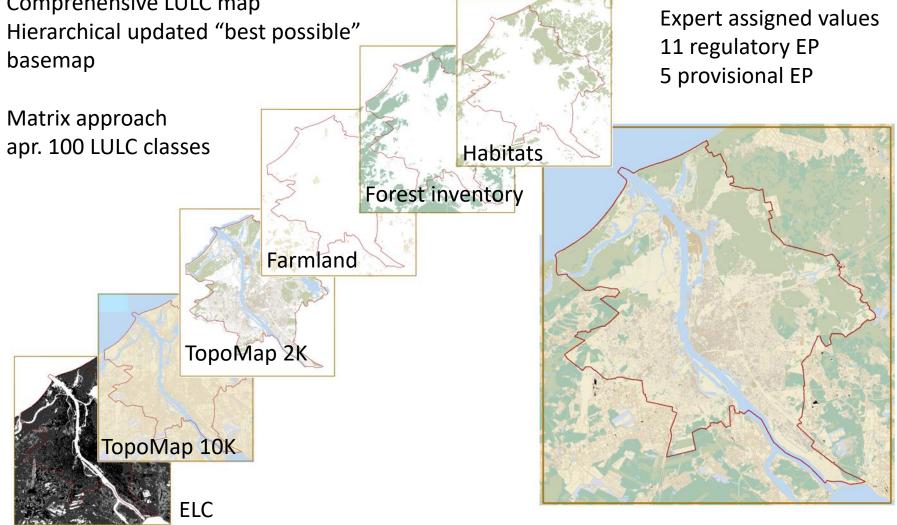
Spatial (conservation) prioritization is a process of identifying areas that are most valuable for conservation and determining where conservation efforts should be focused to maximize the protection of biodiversity and ecosystem services.

The aim of spatial (conservation) prioritization is to help authorities make data-driven decisions on where to invest scarce resources.





# Assessment of ecosystem service potential Comprehensive LULC map



## Assessment of cultural ecosystem services

#### Heritage objects

**Recreational infrastructure** 

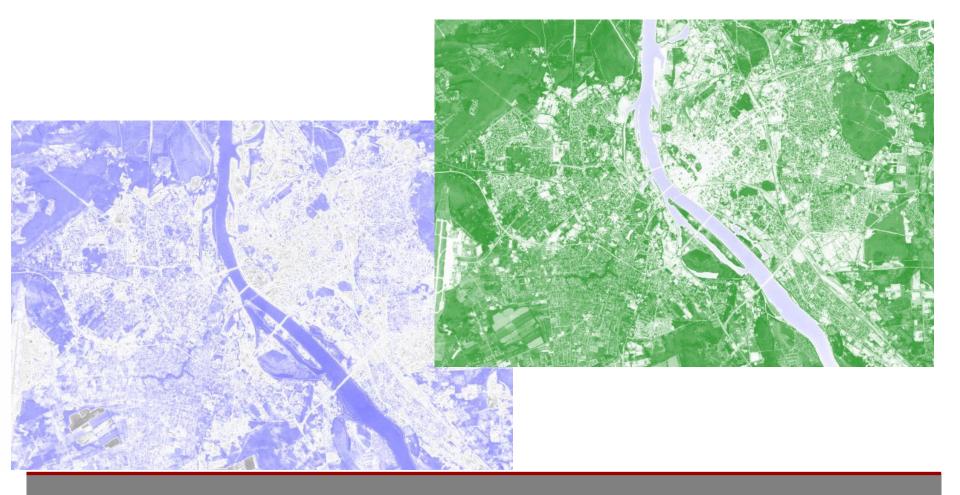
Survey on distribution and values of urban green infrastructure





## Assessment of ecosystem condition/performance

Analysis of NDVI and NDWI indices Sentinel-2 EO data 2012-2023

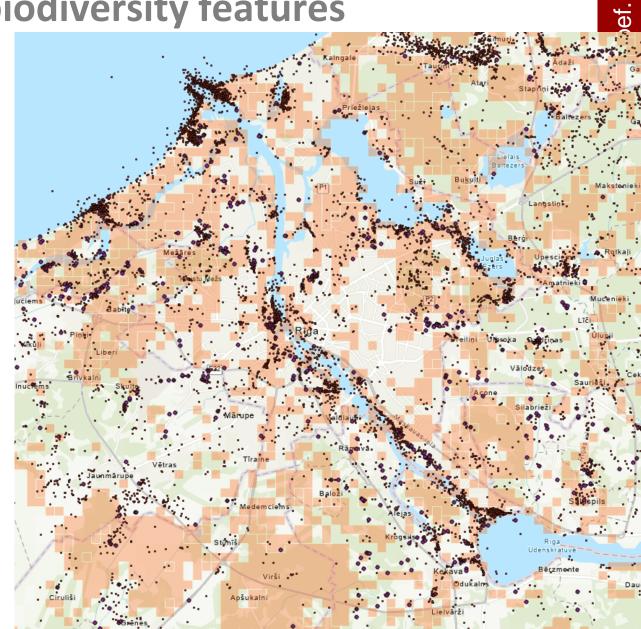


## **Assessment of biodiversity features**

Species distribution models - owls, woodpeckers, goshawk, capercaillie

Observations of protected species (birds/other)

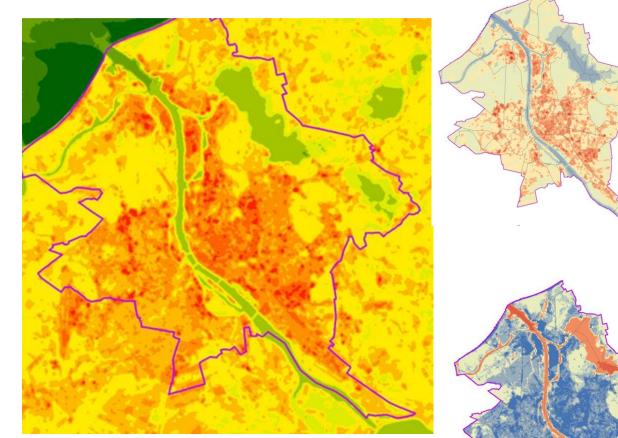




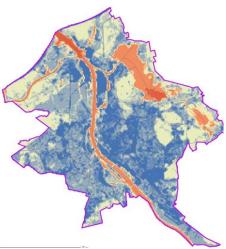
## Assessment of ecosystem service demand

Urban heat island

#### Flooded places

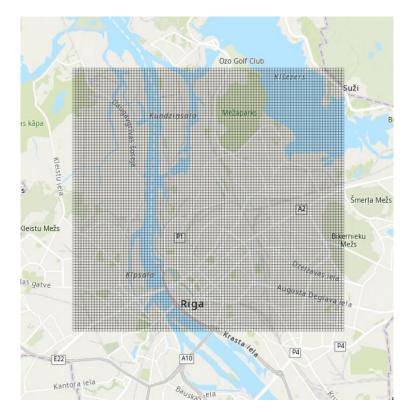


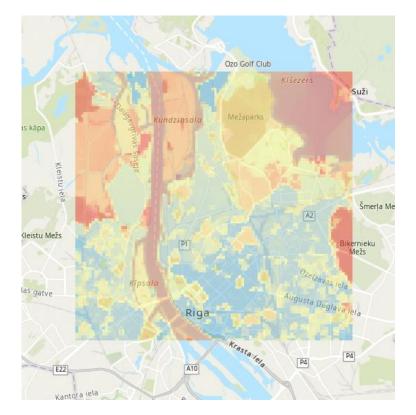
Rīgas siltuma salas cēloņu attāla izpēte, Silava, 2016





## **Spatial prioritisation**









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Thank you!

Ivo Vinogradovs

lvo.vinogradovs@lu.lv

