NATURE 4 CITIES

Be Part of the Green Transition

How to choose the NBS fitting your needs?

Nature4Cities Virtual Event - 2020 May 19th-20th

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Presentation plan

1. N4C NBS Databases

2. Different ways to choose a NBS
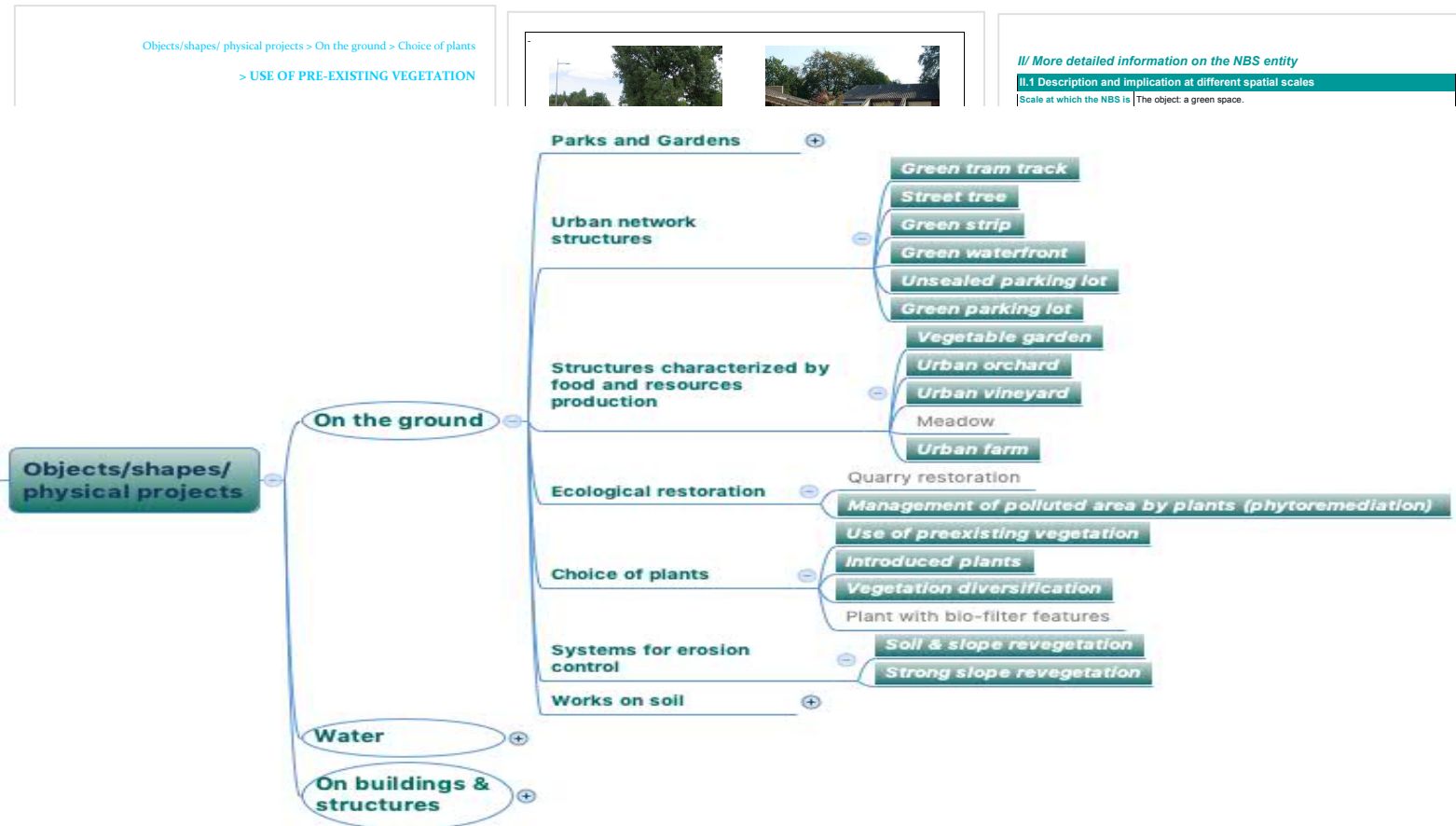
3. The tools to explore NBS knowledge

N4C NBS Databases

- Urban NBS database
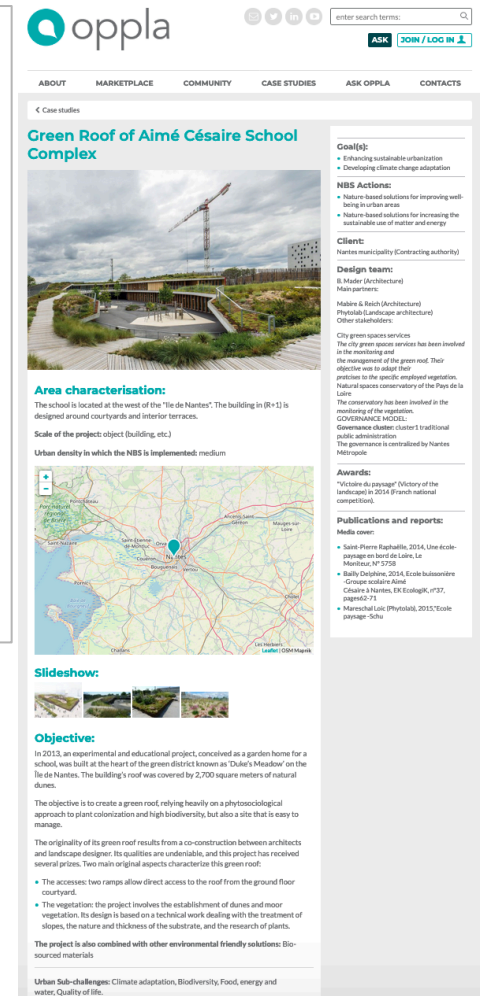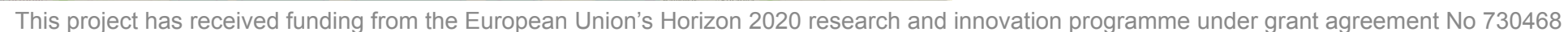- Projects database

A urban NBS database

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75 NBS entities listed, organized in a typology

Objects/shapes/ physical projects > On the ground > Choice of plants

> USE OF PRE-EXISTING VEGETATION

II/ More detailed information on the NBS entity

II.1 Description and implication at different spatial scales

Scale at which the NBS is | The object: a green space.

NBS classification

- Actions
- Strategies

Objects/shapes/ physical projects
- On the ground
  - Parks and Gardens
  - Urban network structures
    - Green tram track
    - Street tree
    - Green strip
    - Green waterfront
    - Unsealed parking lot
    - Green parking lot
  - Structures characterized by food and resources production
    - Vegetable garden
    - Urban orchard
    - Urban vineyard
    - Meadow
    - Urban farm
  - Ecological restoration
    - Quarry restoration
    - Management of polluted area by plants (phytoremediation)
  - Choice of plants
    - Use of preexisting vegetation
    - Introduced plants
    - Vegetation diversification
    - Plant with bio-filter features
  - Systems for erosion control
    - Soil & slope revegetation
    - Strong slope revegetation
  - Works on soil
- Water
- On buildings & structures

Projects database

98 projects selected as pioneer or because of their implementation model, documented with

- A Description
- Urban challenges adressed
- Stakeholders
- Design
- Implementation

31 Projects transfered to oppla plateform

2. Different ways to choose a NBS

Depending on one's role, one can have different expectations in adressing NBS : discover, get ideas, answer to an issue…

- **Discover, get ideas: go through the databases and get information on**
  - **NBS**
    - **NBS visualization tool**
  - **Projects**
    - **Goecluster4NBS / Project explorer**
- **Answer to an issue**
  - **Search NBS and project answering to challenges**
    - **Goecluster4NBS / Pre-selection tool**
  - **Check their application to one's site**
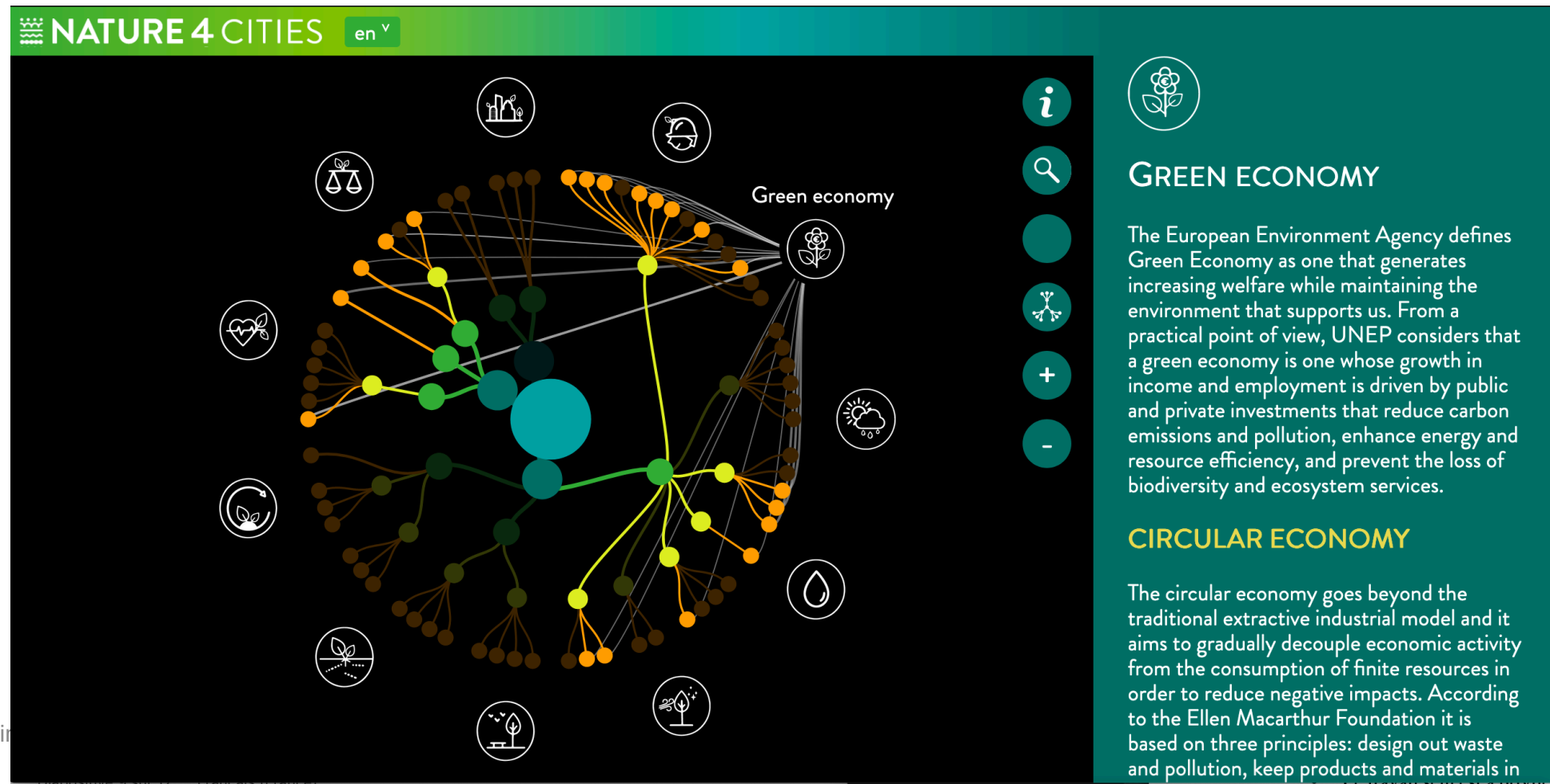   - **Goecluster4NBS / Replicability**

3. The tools to explore NBS knowledge

Make the knowledge accessible, easy, pleasant and efficient to explore, for different actors

NBS vizualisation tool

Discover NBS types, link them to challenges

Geocluster4NBS tools

Pioneer projects database
- ➢ Explore the NBS projects map
- ➢ Get information on projects

Pre-selection tool
- ➢ Select NBS and projects from addressed challenges

NBS typology
- ➢ Explore the NBS typology
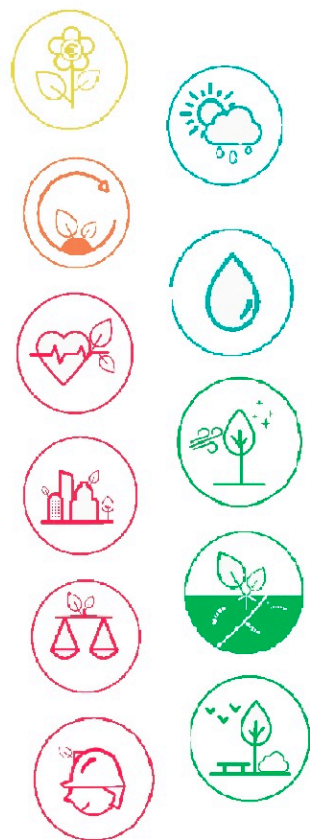- ➢ Get information on NBS

Replicability
- ➢ Market push: check where a NBS can be replicated
- ➢ Land owner: check if a project could be replicated to your site
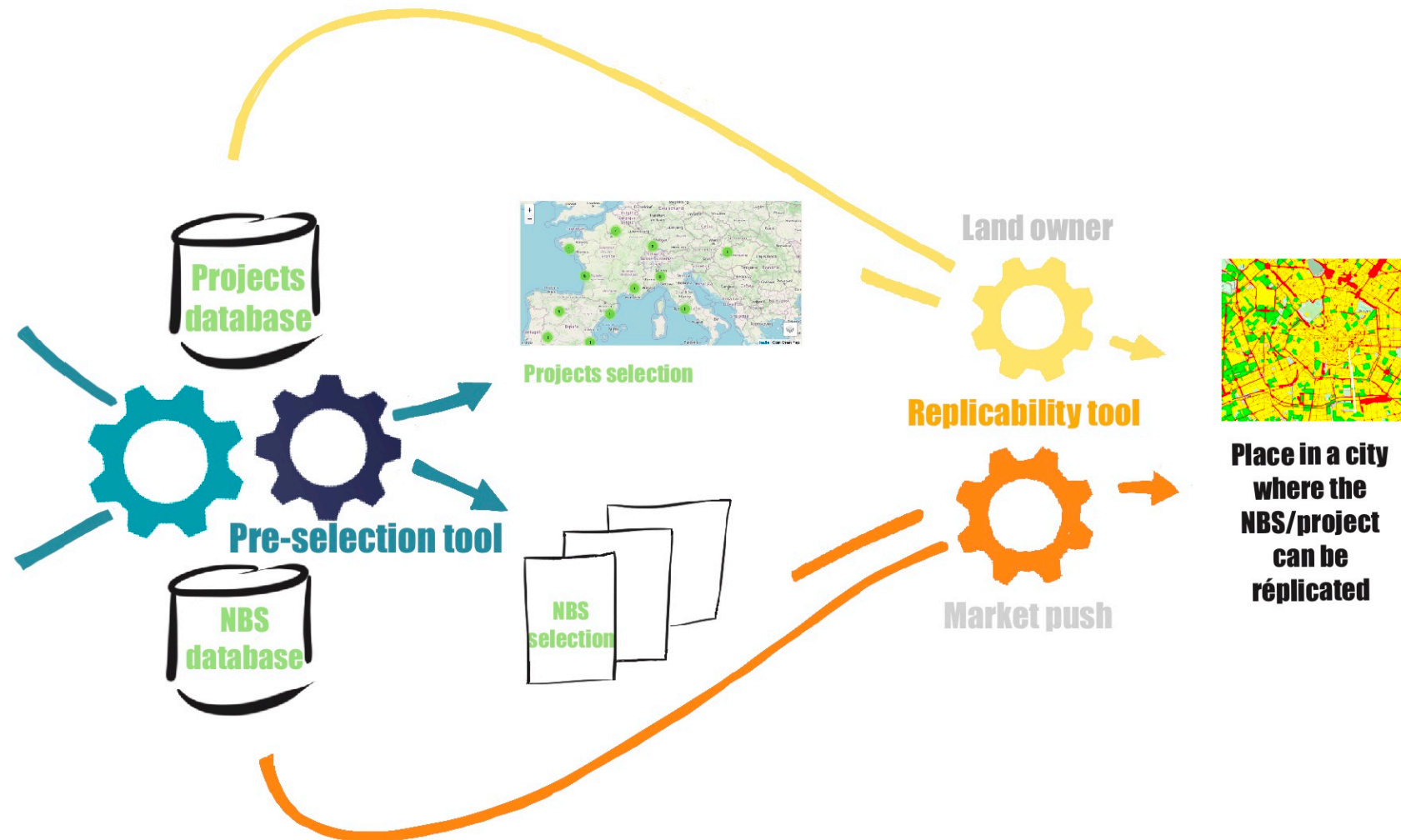
demo

Geocluster4NBS tools

Urban challenges

Projects database

NBS database

Pre-selection tool

Projects selection

NBS selection

Land owner

Replicability tool

Market push

Place in a city where the NBS/project can be réplicated

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Conclusion

Nature4Cities proposes

➢ Databases and Typologies designed to be easily extended with new NBS

➢ Tools allowing to exploit these databases from different points of view

Thank you for your attention!

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