Boosting biodiversity and ecosystem services for territorial development

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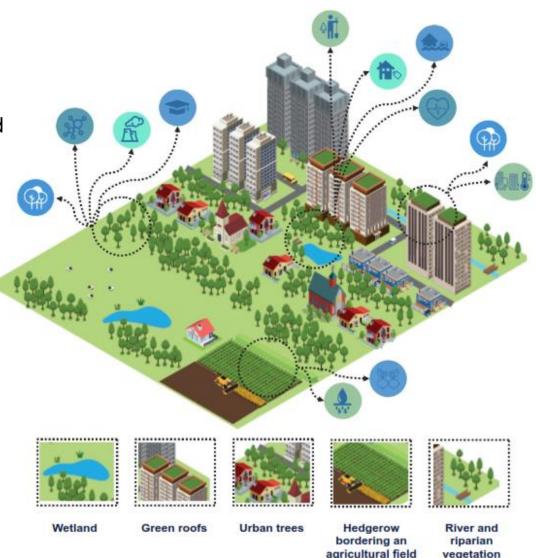
Green infrastructure: key features

Connectivity – creating networked geographical areas.

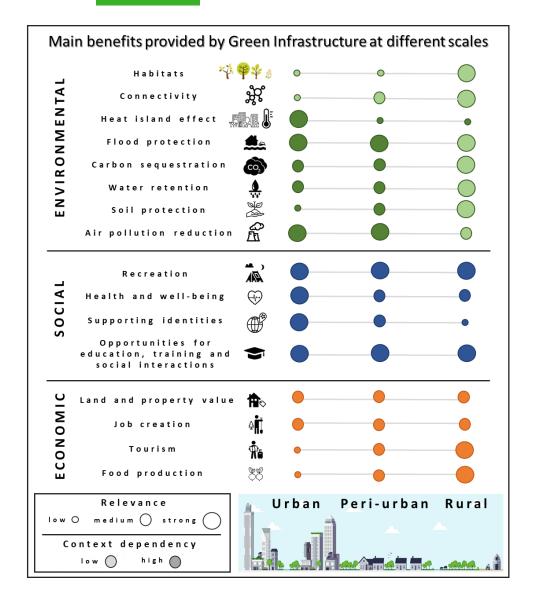
Multifunctionality – performing several functions while also providing valuable ecosystem services.

Multi-scale approach -

integrating spatial planning across urban, peri-urban and rural settings.



Ecological, social, cultural and economic benefits



But, green infrastructure has **potential side effects** that are important to be aware of, like:



Risk of invasion by alien species

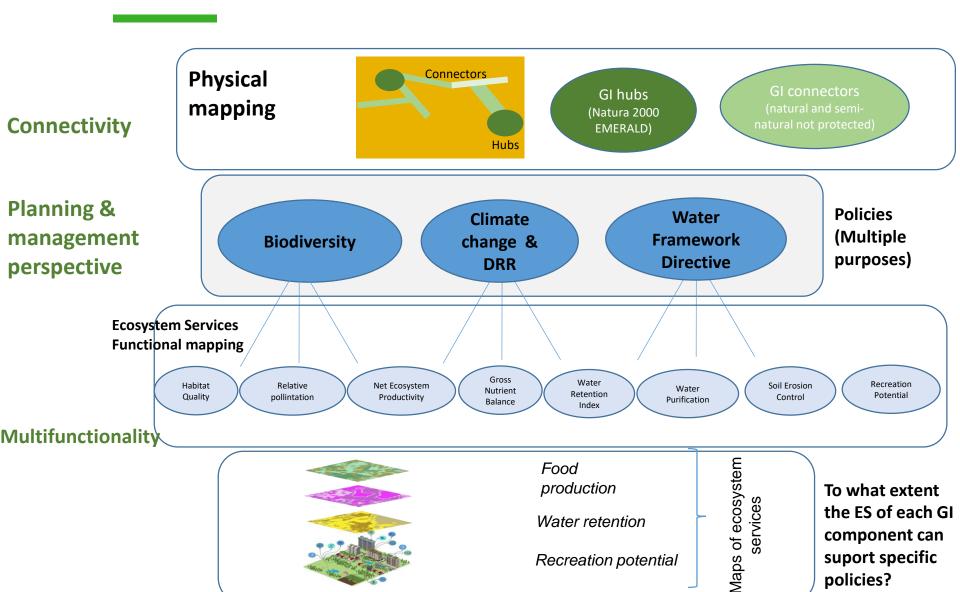


Eco-gentrification
Human health effects

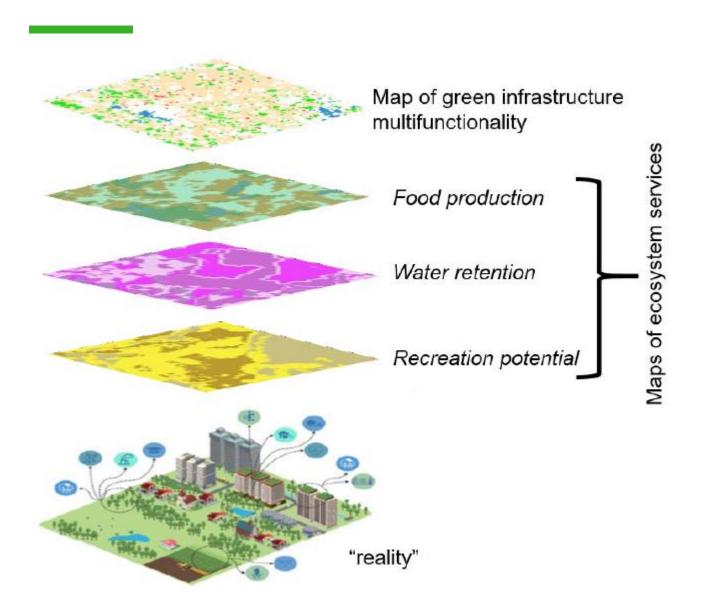


Higher costs to initiate or maintain green infrastructure

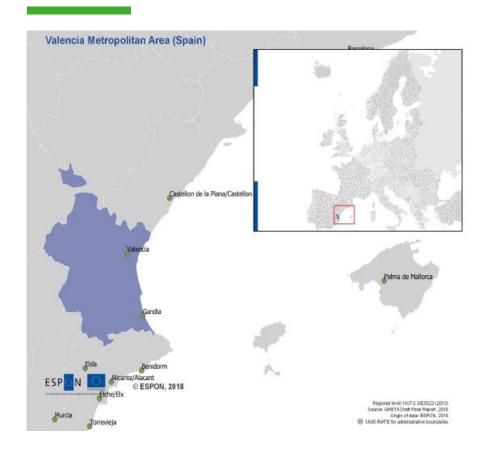
Integrating in territorial development



In practice



Valencia: Planning a metropolitan region

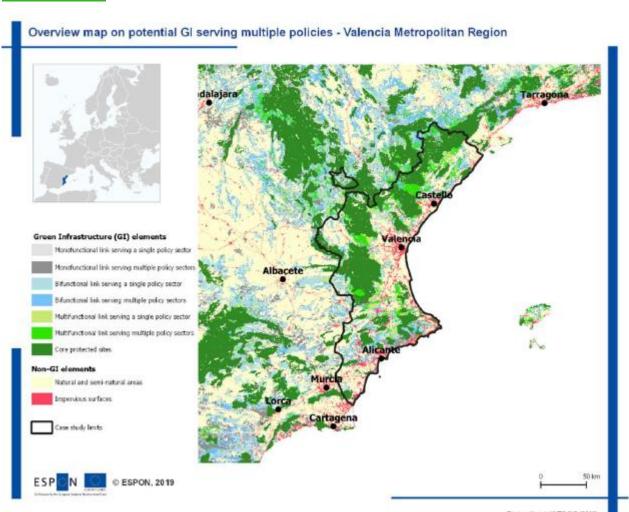


Metropolitan Territoral Plan of Action under development

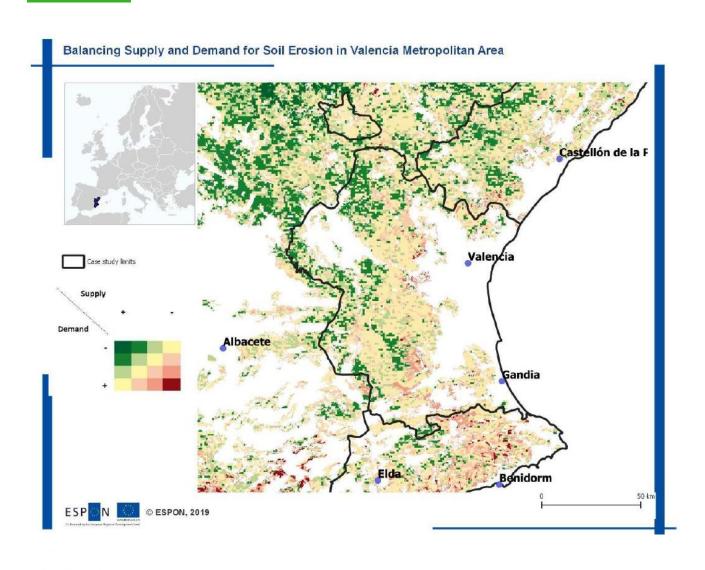
Challenges

- Economic specialization on urban core area
- Industrial concentration in peripheral area
- Low density urbanization in peripheral area
- Manage connectivity of several protected areas

Valencia: Potentialities



Valencia: Supply and demand for soil erosion



Valencia: Outcome

Lessons learned

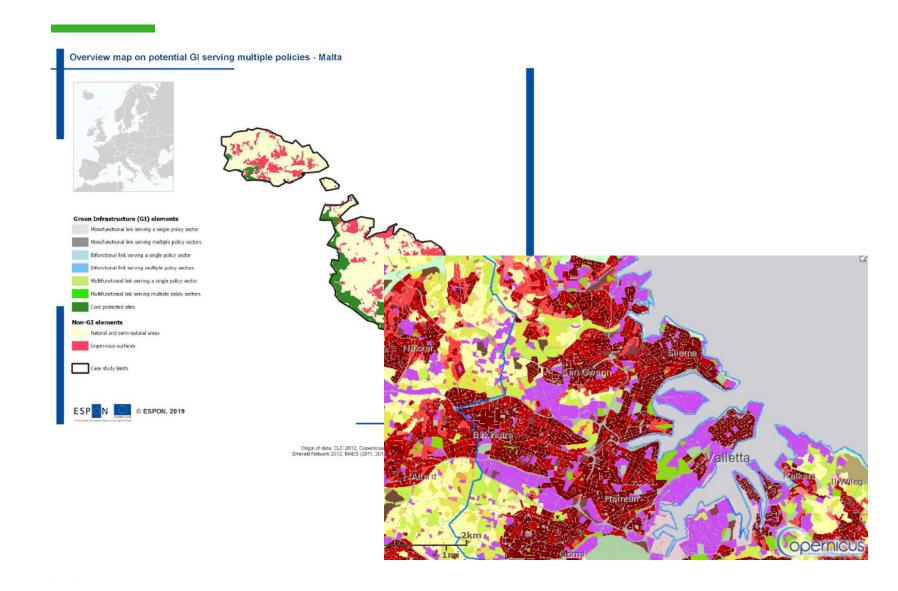
- Work together with multiple stakeholders. Multiple partnerships.
- Wording is important: urban planners use Ecosystem Services approaches although they do not always talk about services or functions per se
- Very often legislation already exist to facilitate policy integration
- Promote benefits of GI: Health and tourism
- Need for vision and narratives







Malta: Challange of compact city



Malta: Green roofs

Challenges

- Develop know-how for green roofs on Mediterranean climate
- Suppliers (market)

Strategy

- Starting with an LifeMedGreeenRoof project
- Involve multiple stakeholders
 - Research
 - Startup
 - Other companies

Benefits

- Reduced use of energy in building
- Improved water management
- Biodiversity: pollinators



Integrating health

In some Swedish regions the health and social service sector can prescribe 'green care' to rehabilitate people that have been outside job market for a long time. These jobs are on appointed farms, in forestry and in park management.

Financing opportunites

- Cyprus and Slovakia combine national environmental funds with European structural funds (i.e. ERDF, ESF, CF, EAFRD, EMFF).
- Belgium used the EAFRD for agro-environmental subsidies to enhance agricultural lands.
- Denmark improved environmental quality of Natura 2000 areas using EARFD funding mechanism.
- Slovenia used Cohesion Funds for enhancing urban green
- The European Fund for Strategic Investments have strict targets for climate-smart investments to ensure reaching the Paris agreement.

Conclusions

- GI planning is needed across policy areas
- Cross-scale collaboration
- Main challenges for GI implementation are transport, boundary issues, demographic pressure, agriculture and non-sustainable forest management and forest drainage
- Involve multiple stakeholders from the beginning
- Economic perspective
 - Usually external funds are used to start the process
 - Potential for job creation (not always evident)
 - Improve know-how
- The context is very important. Need to consider carefully when looking at best practices
- Monitor progress and adapt to change

Thanks for your attention!

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