

# New INSPIRE'd Territorial Indicators Towards Resources Management Efficiency

INSPIRE'D Territorial Data Management towards planning, resources management and economic growth

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## Research Projects towards main goals



## Main research goals

- Exploring and increasing value of existing datasets.
- Understand resources management within a territorial context.
- Adapt to member states resources management. Pilot applications applied to:
  - Monitor land cover changes over time;
  - Water stress evaluation;
  - Land use planning efficiency towards socio-economic and environmental growth.
- Build indicators to monitor LULCC over time.
- Build indicators for territorial and resources management.
- Evaluate fitness for purpose of available datasets to deal with these problems.
- Better understand and address planning towards effective growth.
- Support public data strategies definition.

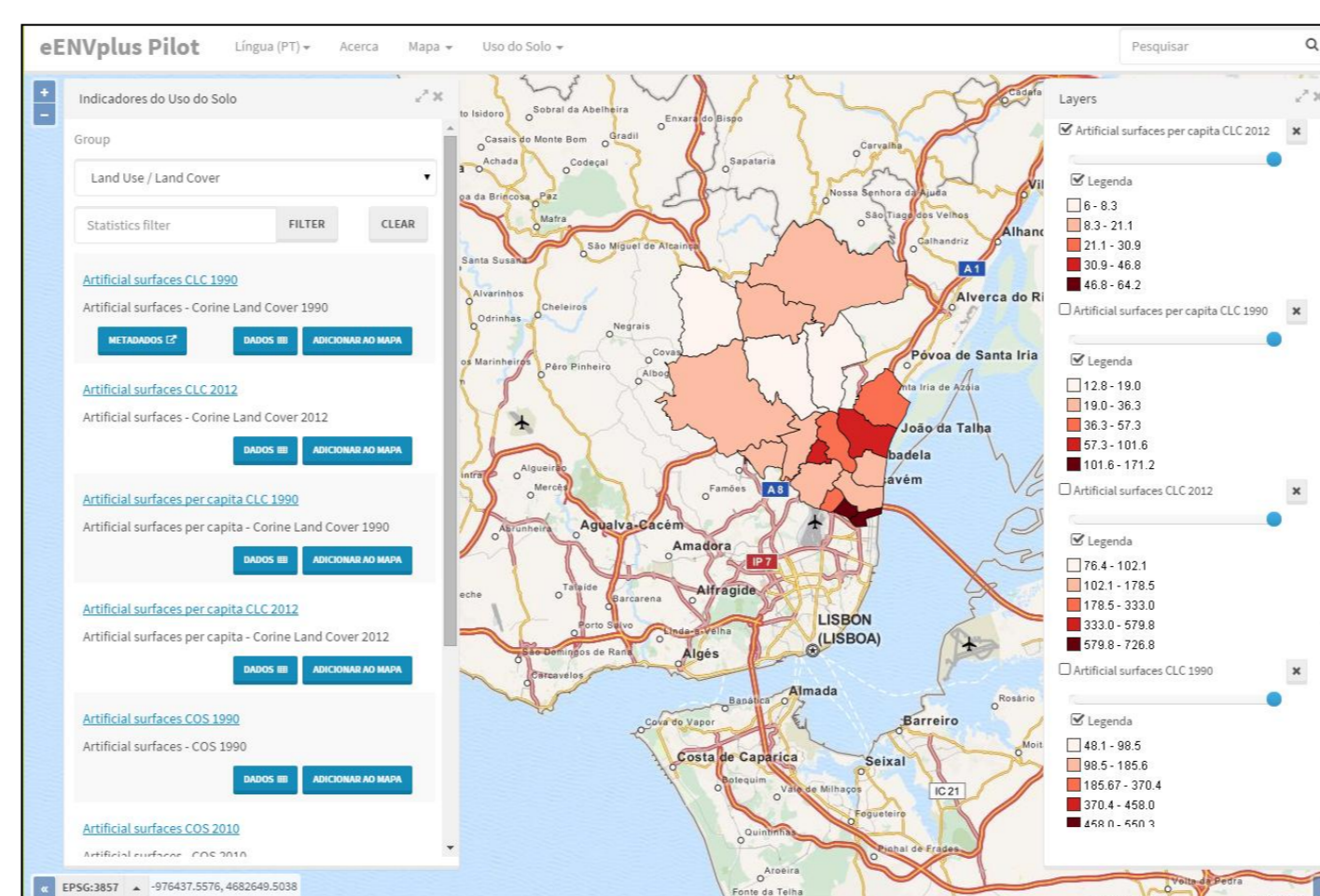
## What was made within DGT/APA/EU funded projects

- Data harmonization (Land Cover (COS/CORINE), CRUS, Administrative Units) and validation, Inspire compliant.
- Creation and validation of Land Cover (COS/CORINE) metadata.
- Geoportal development (WFS, WMS and WPS)- Territorial dynamic indicators.
- Statistical data integration.
- New water resources information management approach.
- Resources and land management towards planning efficiency.

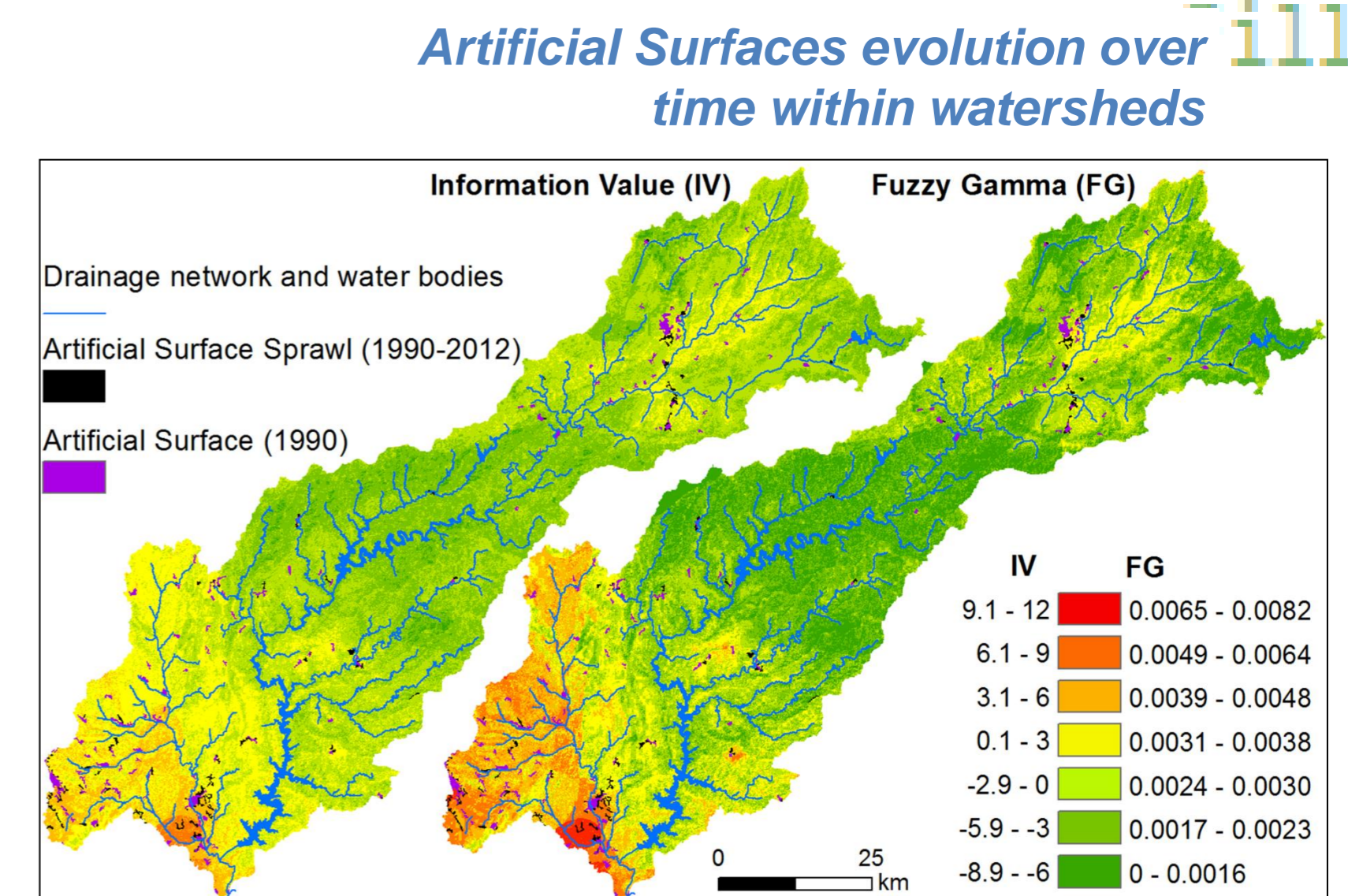
## Research Area

Portugal: Lisbon Metropolitan Area and Zêzere river Watershed

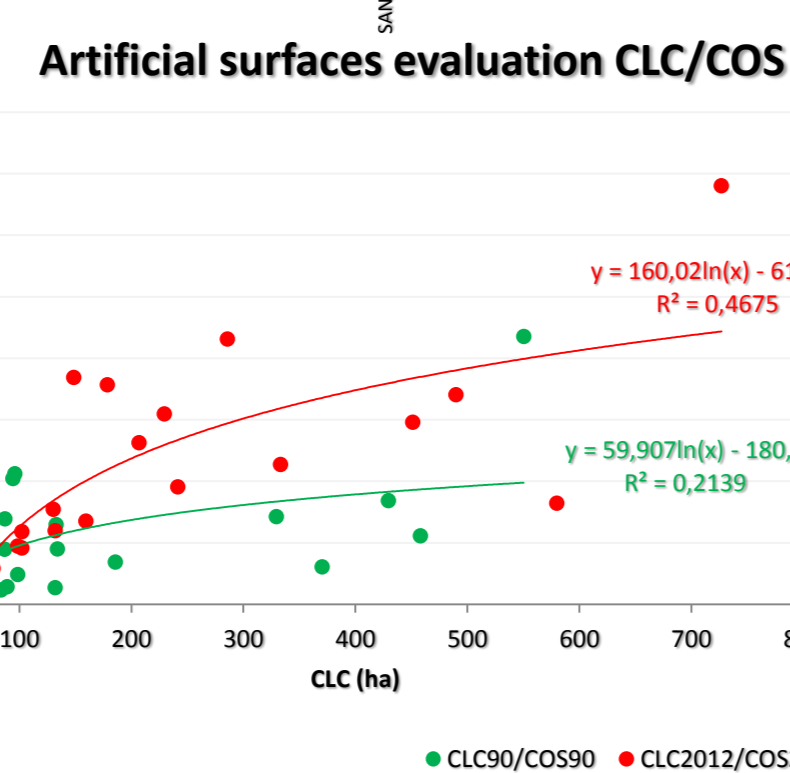
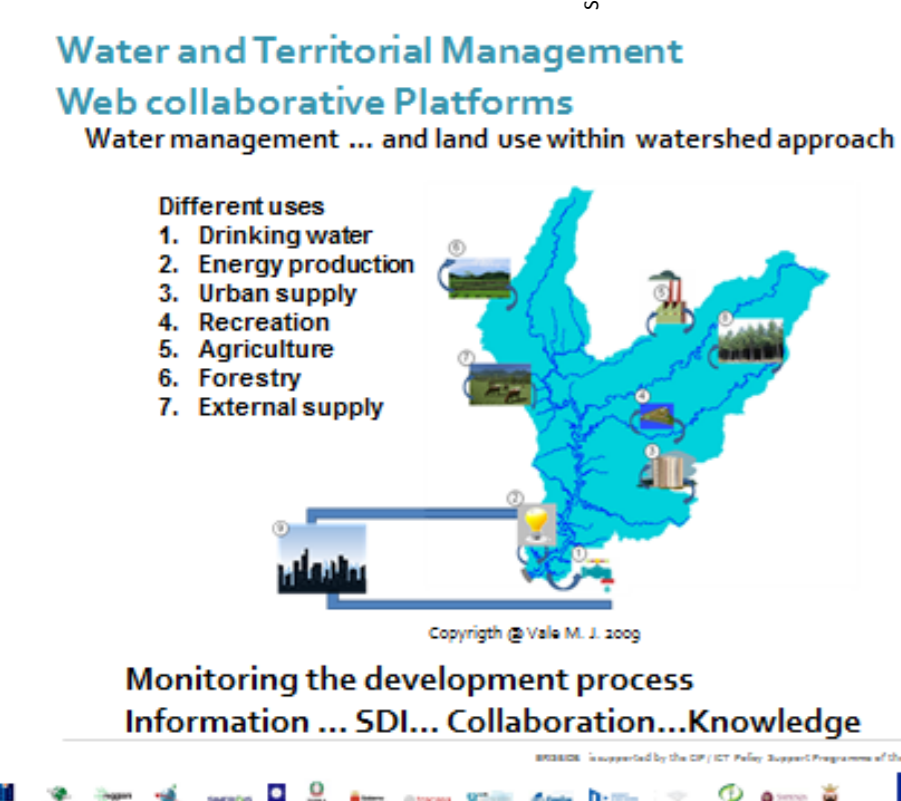
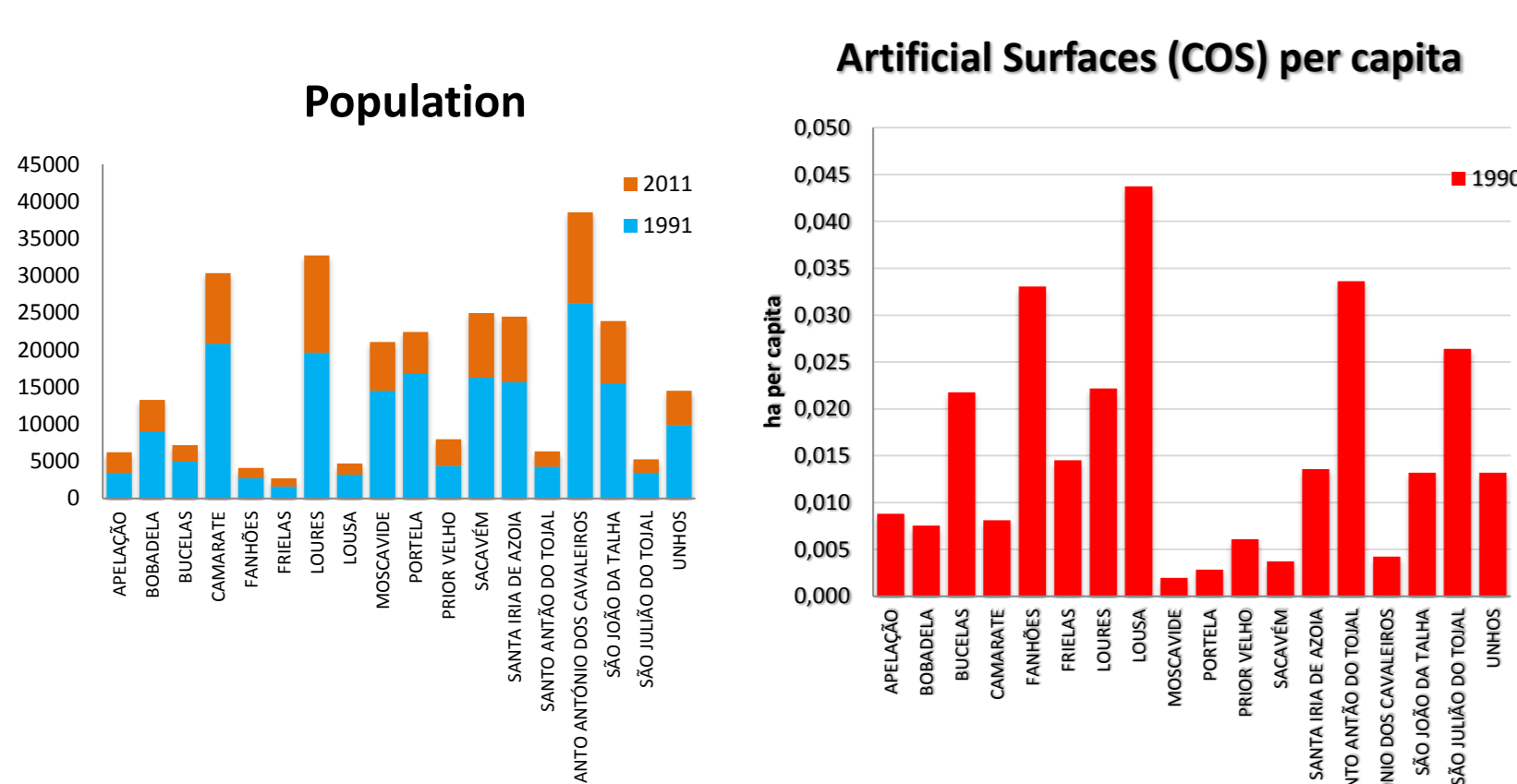
## Artificial Surfaces evolution over time within urban areas



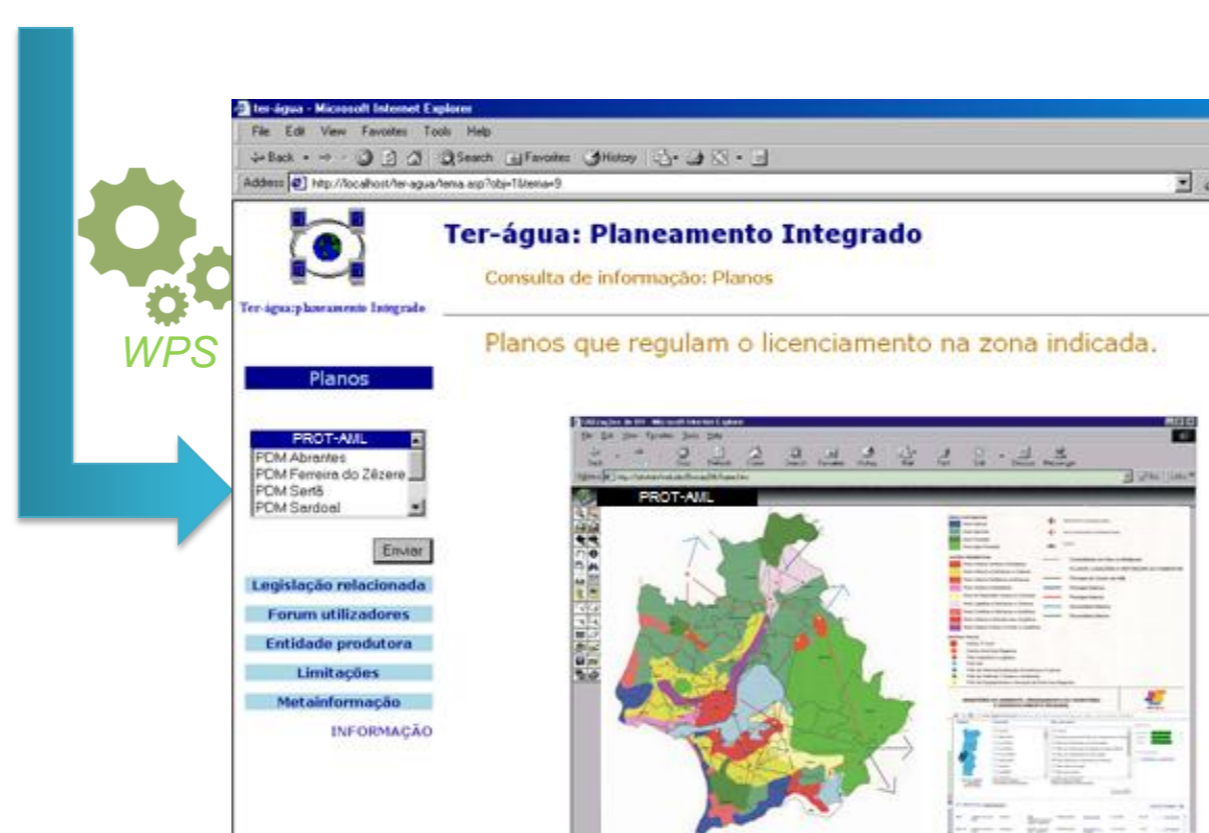
## Artificial Surfaces evolution over time within watersheds



## Results



## Analyses



Avaliação do impacto na qualidade da água

Parâmetro	CO2	Consideração	CO2_esp (mg/l)	CO2_amb (mg/l)
CO2_amb (mg/l)	População	CO2_amb (mg/l)	CO2_amb (mg/l)	CO2_amb (mg/l)
Média	Máxima	Mínima	Máxima	Média
2,05	2,20	442,8	2,17	2,08
Parâmetro	BST	Consideração	BST_esp (mg/l)	BST_amb (mg/l)
BST_amb (mg/l)	População	BST_amb (mg/l) <td>BST_amb (mg/l) <td>BST_amb (mg/l) </td></td>	BST_amb (mg/l) <td>BST_amb (mg/l) </td>	BST_amb (mg/l)
Média	Máxima	Mínima	Máxima	Média
1,678	1,77	2,74	3,1	4,5

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