

Portuguese Pilot Land Cover change detection and planning indicators

Research team: Maria José Vale*; Rui Reis; Raquel Saraiva; Marcelo Ribeiro; Bruno M. Meneses
 General Directorate for Territorial Development. Rua da Artilharia Um, 107, 1099-052, Lisboa, Portugal | *Head of research team: mvale@dgterritorio.pt



The eEnvPlus Project - Portuguese pilot

- Create an application to monitor land cover changes over time.
- Harmonizing LULC datasets (INSPIRE compliant).
- Develop a prototype integrating web services to build indicators and monitor urban dynamics integrating LULCC over time.
- Evaluate fitness for purpose of available datasets to deal with urban evolution.
- Better understand and address planning related problems – urban growth.

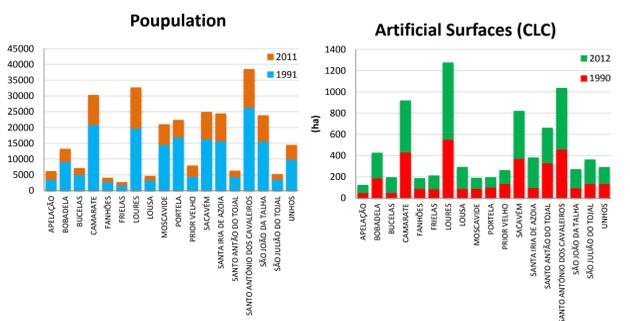
<http://mapas.dgterritorio.pt:85/eenvplus/pt/index>

What was made within the project

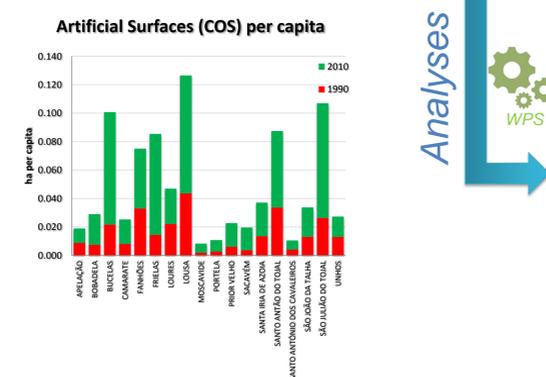
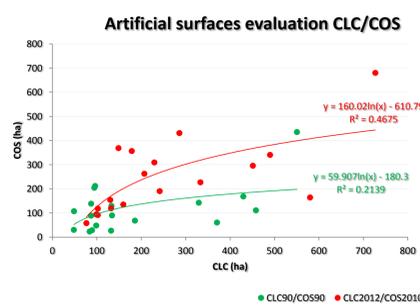
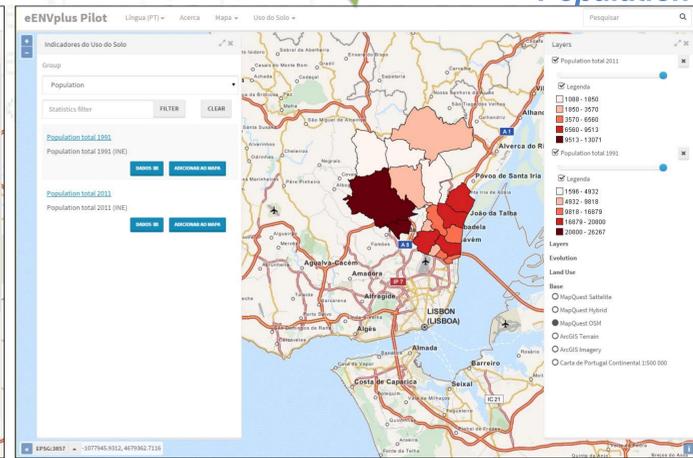
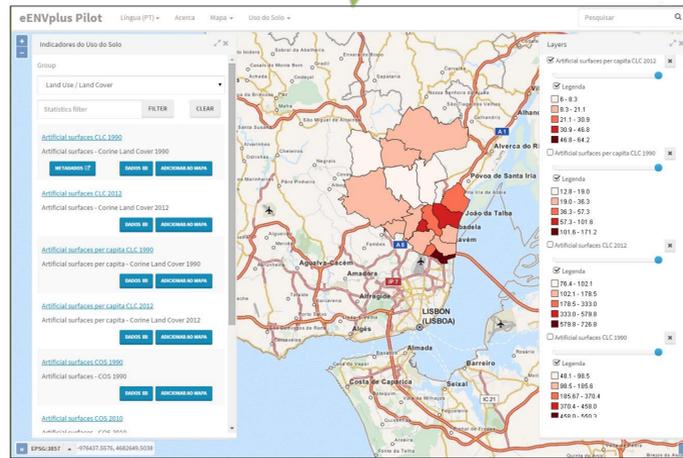
- Data harmonization (COS, CRUS, Administrative units) and validation, Inspire compliant
- Creation and validation of Metadata
- Enable creation of indicators to monitor urban dynamics
- Geoportal development (WFS, WMS and WPS)-Open Source
- Example demonstration



Results



Artificial Surfaces & Indicators



Analyses

