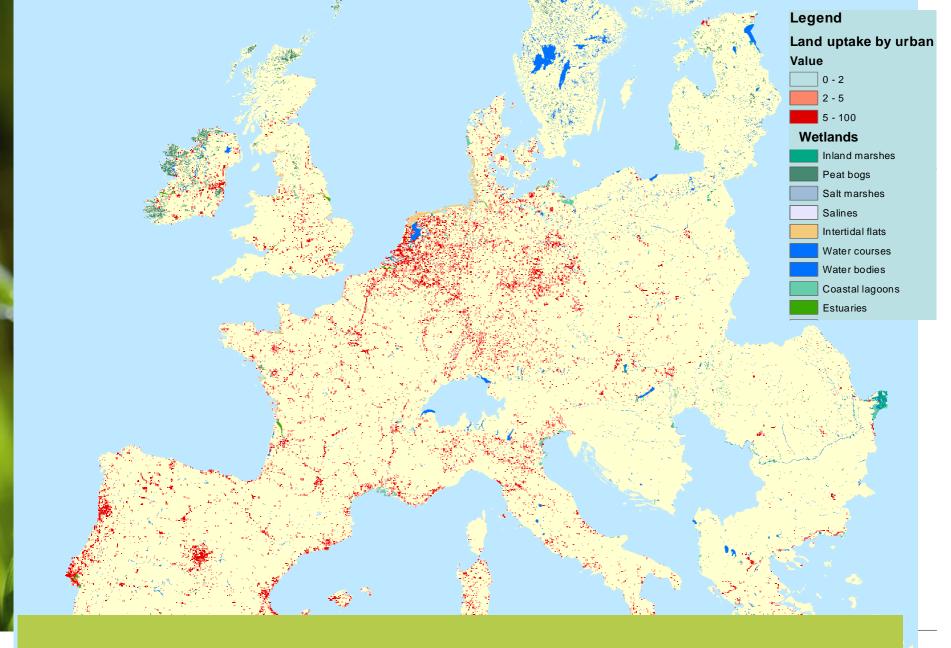


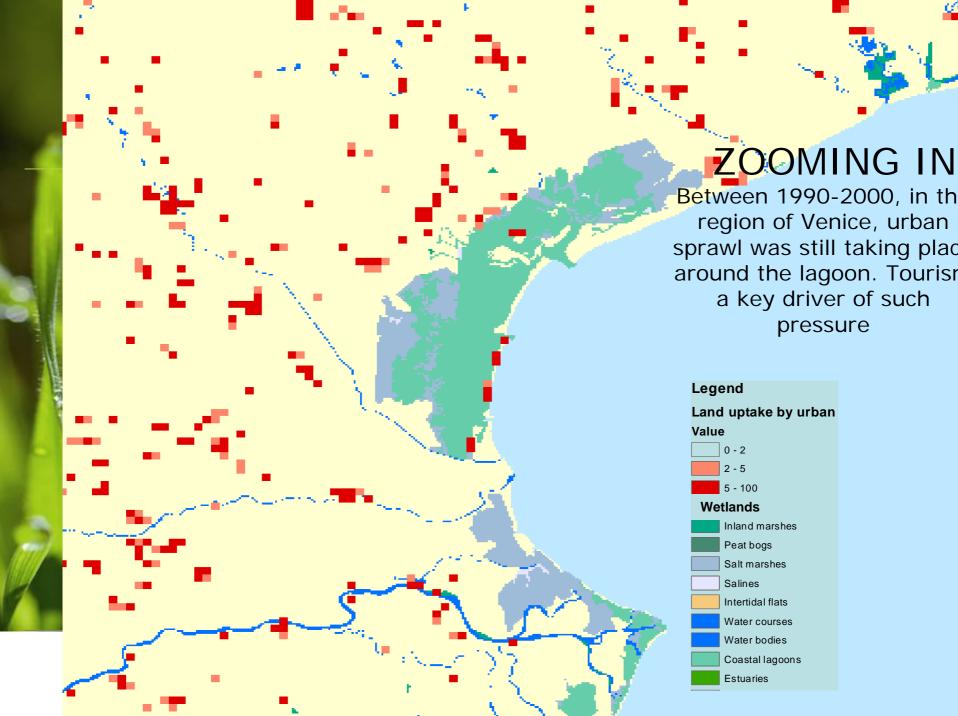
Biodiversity and Ecosystems: the EEA role



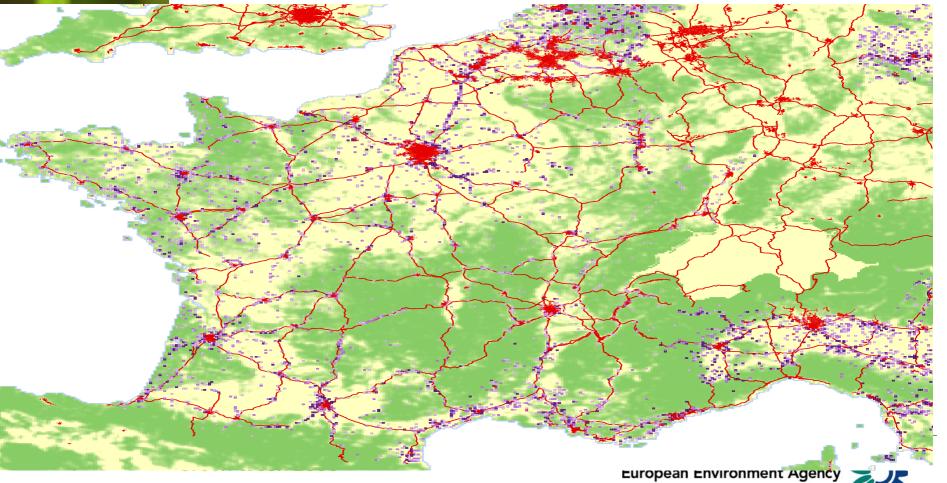
- Knowledge about the state: Indicators of the status and trends of ecosystems, habitats and species
- Sustainable use: Integrated analysis the key drivers of ecosystem change such as urbanisation, agriculture and forestry
- Knowledge about threats: Analytical tools to analyse challenges from socio-economic change, including scenarios of possible futures
- Policy analysis: How environment and socioeconomic policies can together deliver change
- **Economic value of ecosystem:** Estimates of the economic and social value of biodiversity and ecosystems, including the costs of inaction.



Land use and ecosystems: wetlands and land uptake by urban development

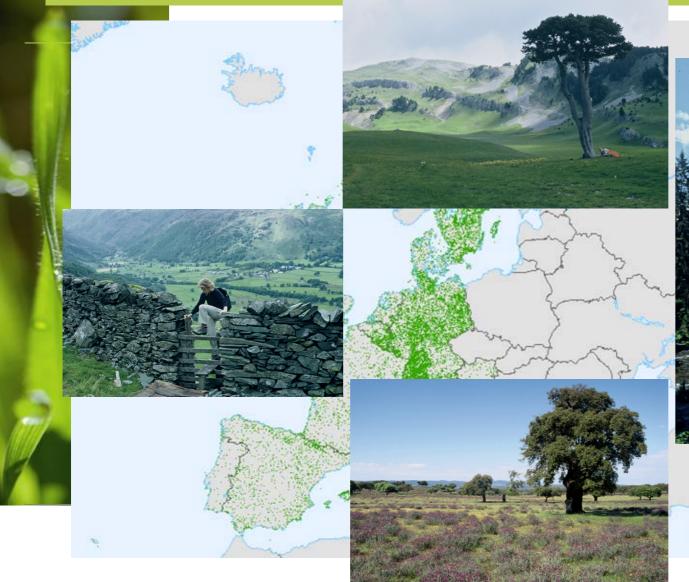


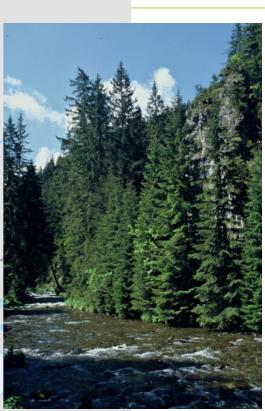
and transport infrastructures attract urban sprawl and fragmentation of landscapes





Europe's protected areas: a network of special places

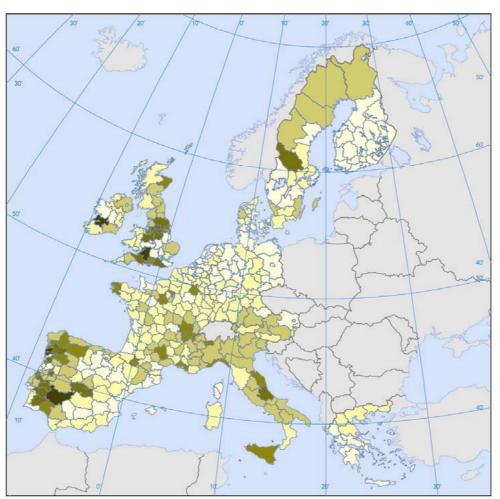


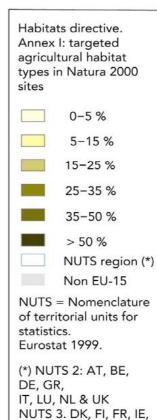




Agriculture: essential for maintaining many protected areas



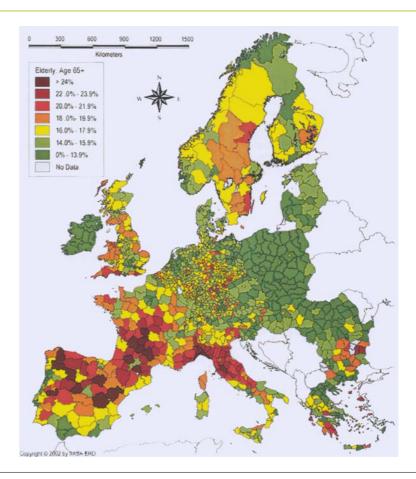




PT, ES & SE

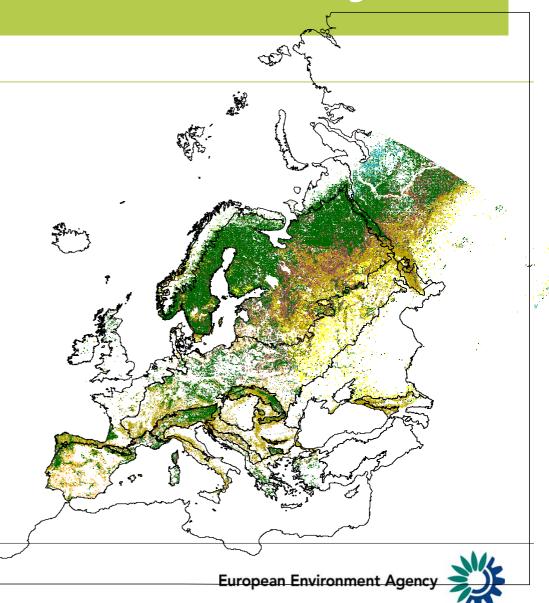
Proportion of elderly people (65+) across Europe





A few words on forestry

- Most of Europe's forests are modified ('semi-natural'). Very few natural areas left
- Today, forest area is increasing
- Main problems
 ahead: safeguard
 ecosystem services,
 promote biofuels,
 adapt to climate
 change, carefully
 manage species and
 habitats



SOER2005 & Outlooks



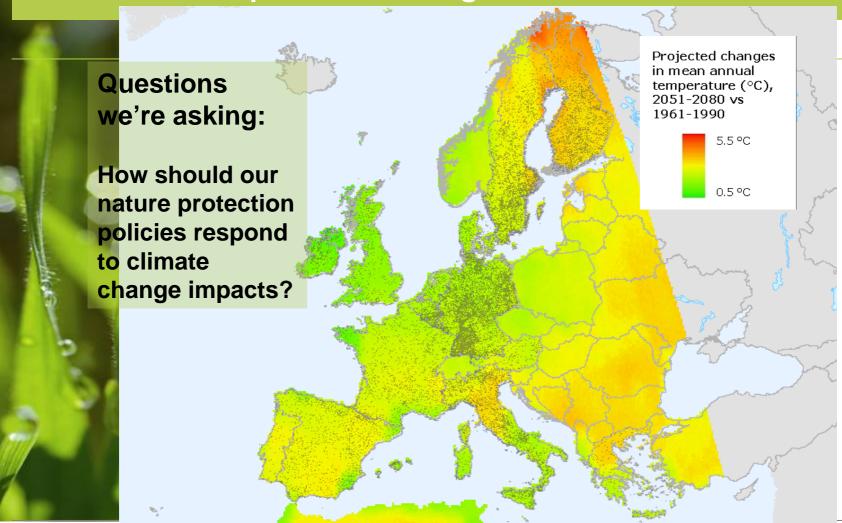
Explore sustainability of baseline projections (2020-2030), alternative scenarios and variants (up to 2100)

Assess environmental consequences of key socio-economic developments

Key messages / early warnings for policy-makers

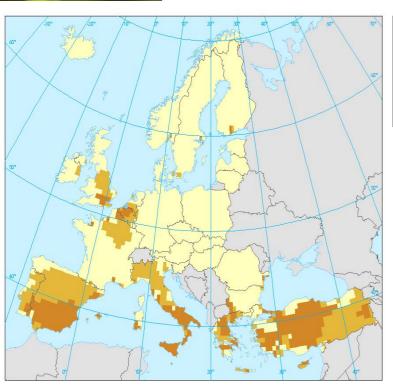
Climate change:

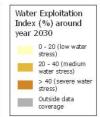
temperature change outlook to 2080

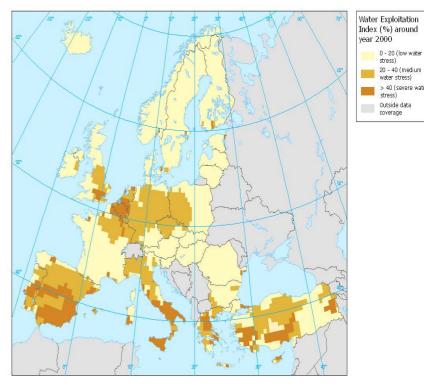




Outlook for water stress in large European river basins, 2000 and 2030







0 - 20 (low water

> 40 (severe water

water stress)

Outside data

stress)

stress)

Possible futures: scenarios

What will be the environmental consequences of:

- changes in demographic patterns?
- major breakthroughs in technology?
- changes in the way we live and consume?
- disruptive external events?

How will we anticipate change?

How can we prepare?

How can we communicate?





A PRELUDE of Europe's future

PRospective Environmental analysis of Land Use Development in Europe

What will Europe look like in 30 years from now on? Will the countryside be a lively place, or a desert?

How will the environment be impacted as a result of possible changes?

5 contrasting yet plausible environmental scenarios of future changes in land use and European landscape



GREAT ESCAPE

evolved society

Europe of Harmony

CLUSTERED DETWORKS

Europe of Structure

Lettuce surprise u

Europe of Innovation

BIG CRISIS

Europe of Cohesion

LIBRARY

SCENARIOS

All five scenarios feature major changes in society and political responses which might be triggered by environmental disasters or technological developments.

Coordinated regional development and spatial planning at the European level become important in 'Evolved Society', 'Clustered Networks' and 'Big Crisis', whereas the other two scenarios build more on autonomous developments and regional solutions.

'Great Escape' and 'Clustered Networks' assume that globalisation will continue, whereas the other scenarios are characterised by stronger emphasis on regional markets.

Governance primarily at Regional scale -European scale





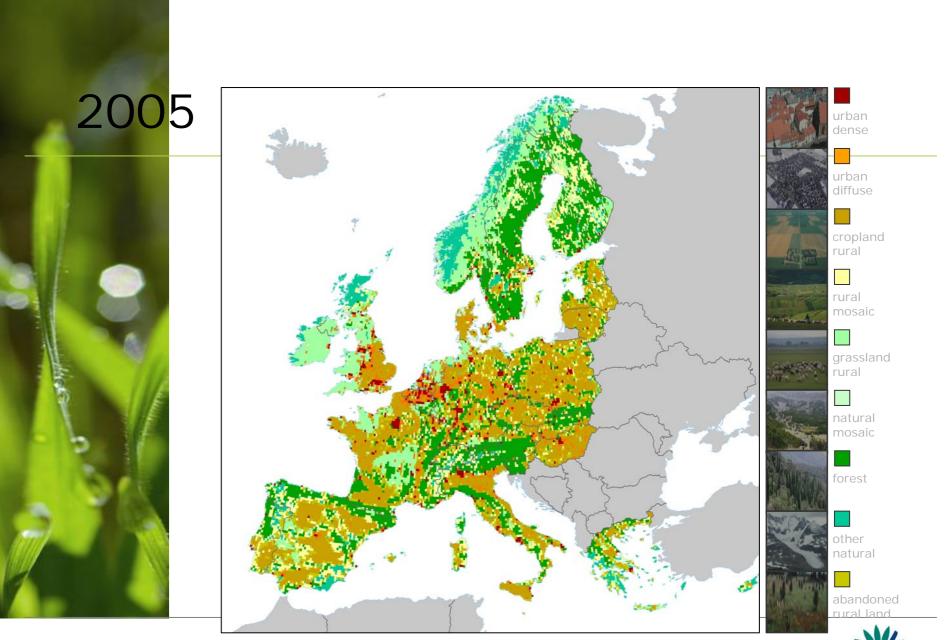


Economic development led by markets → Global markets

Regional markets

Disclaimer

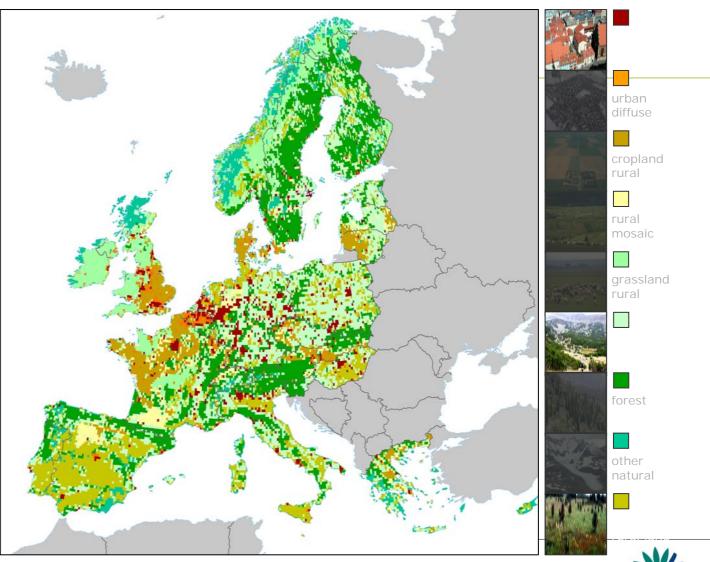


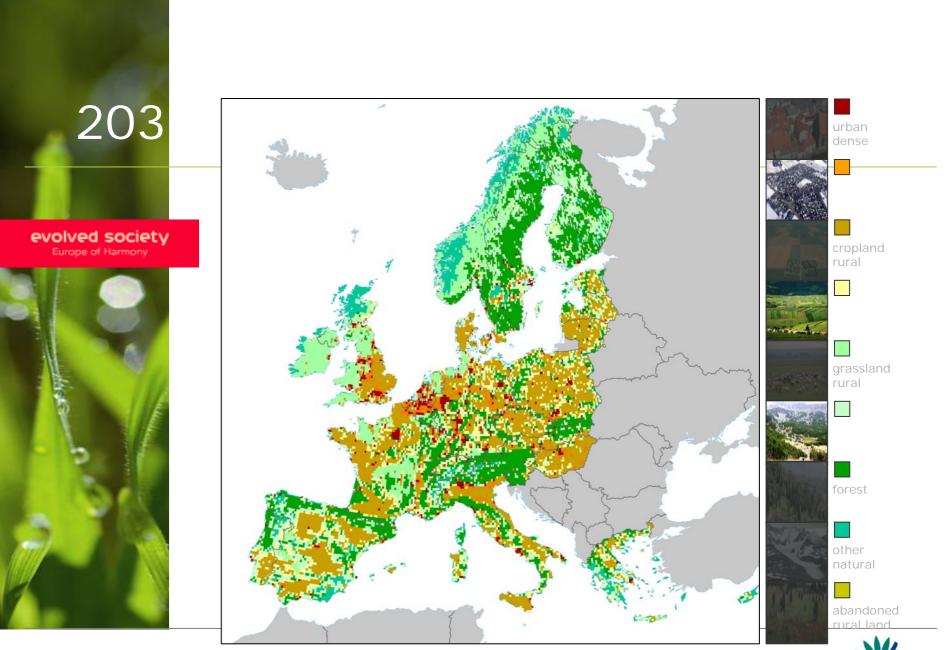


2035

GREATESCAPE Europe of Contrasts





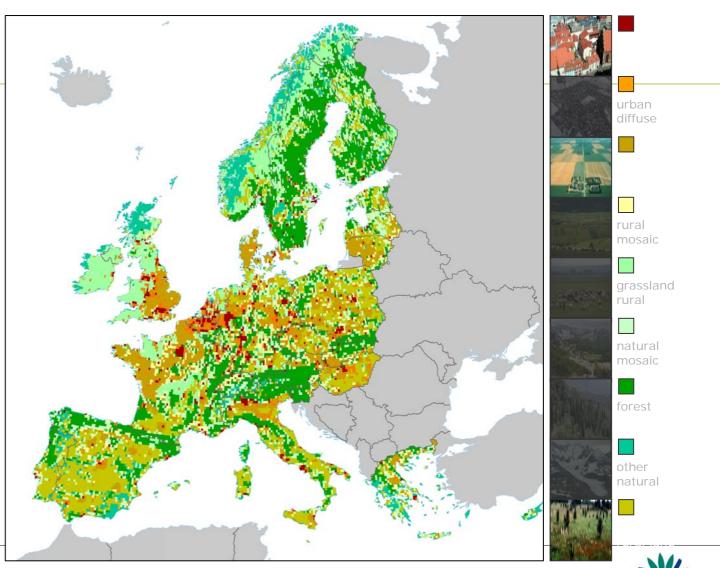


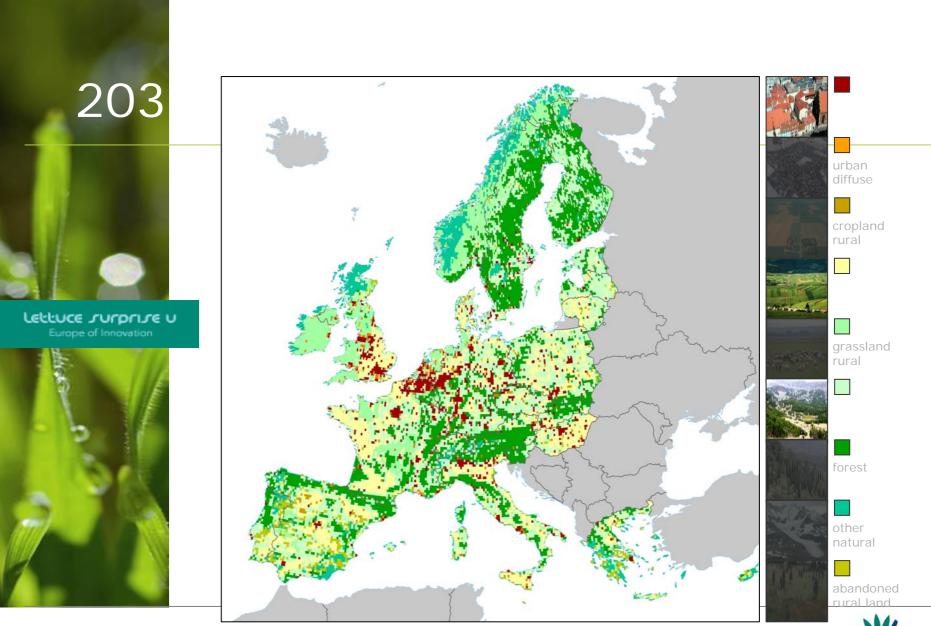


CLUSTERED BETWORKS

Europe of Structure





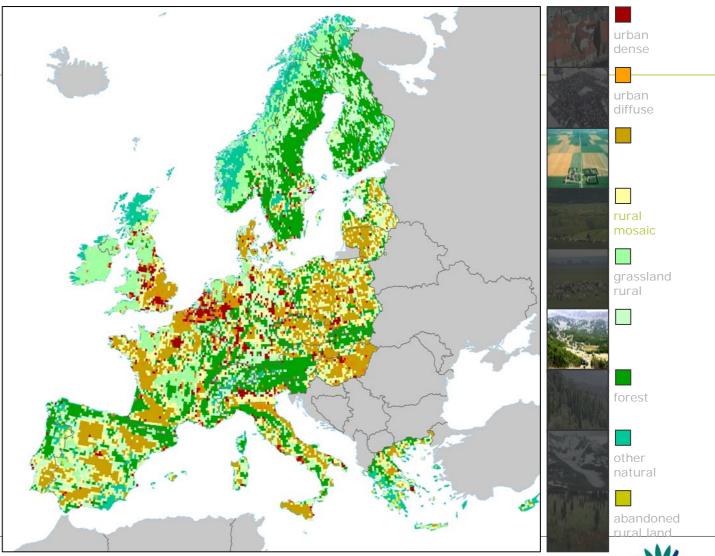






BIG CRISISEurope of Cohesion





Biodiversity and Ecosystems: the EEA role



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