



**Organization for Security and Co-operation in Europe  
Secretariat**

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21 January 2007  
ENGLISH only

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**Conference Services**

**Fifteenth OSCE Economic and Environmental Forum - Part 1:  
“Key challenges to ensure environmental security and sustainable development in the  
OSCE area: Land degradation, soil contamination and water management”  
Vienna, 22 - 23 January 2007**

**Opening Session**

Please find attached the presentation by the keynote speaker, Ms. Jacqueline McGlade,  
Executive Director, European Environment Agency (EEA).

## European Environment Agency

**Shared Environmental Information System for Europe  
- An EEA perspective on tackling Land-based issues -**

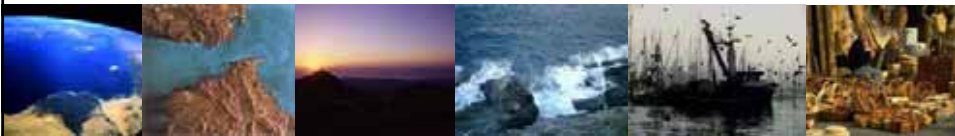


**Prof. J. McGlade  
Executive Director EEA**

European Environment Agency



## State of the environment from analysis to action



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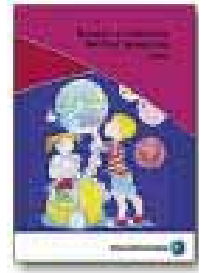
## Environment for Europe process - from Dobris to Belgrade



1991  
Dobris



1993  
Lucerne



1995  
Sofia →

1998  
Aarhus →

2003  
Kiev →

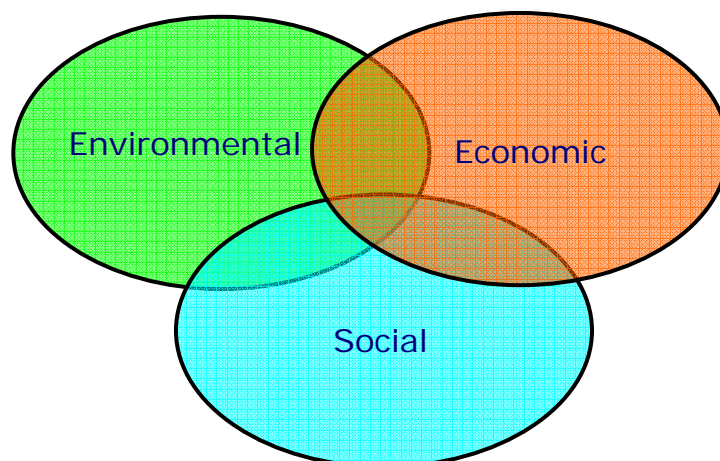
2007  
Belgrade



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## Sharing information



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### **Some key draft conclusions from the Belgrade report**

- Land abandonment has increased the risk of degradation especially in mountain areas where anti-erosion measures have been discontinued
- Inefficient irrigation schemes, industrial activities and mining operations caused contamination and major physical degradation of the soil in south eastern Europe

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### **Some key draft conclusions from the Belgrade report cont...**

- Dramatic reductions in the use of agrochemicals and the cessation of cultivation of some agricultural lands have reduced the pressures
- As the economies recover, the intensification of the impacts on soil can be expected to increase again if proper measures are not taken

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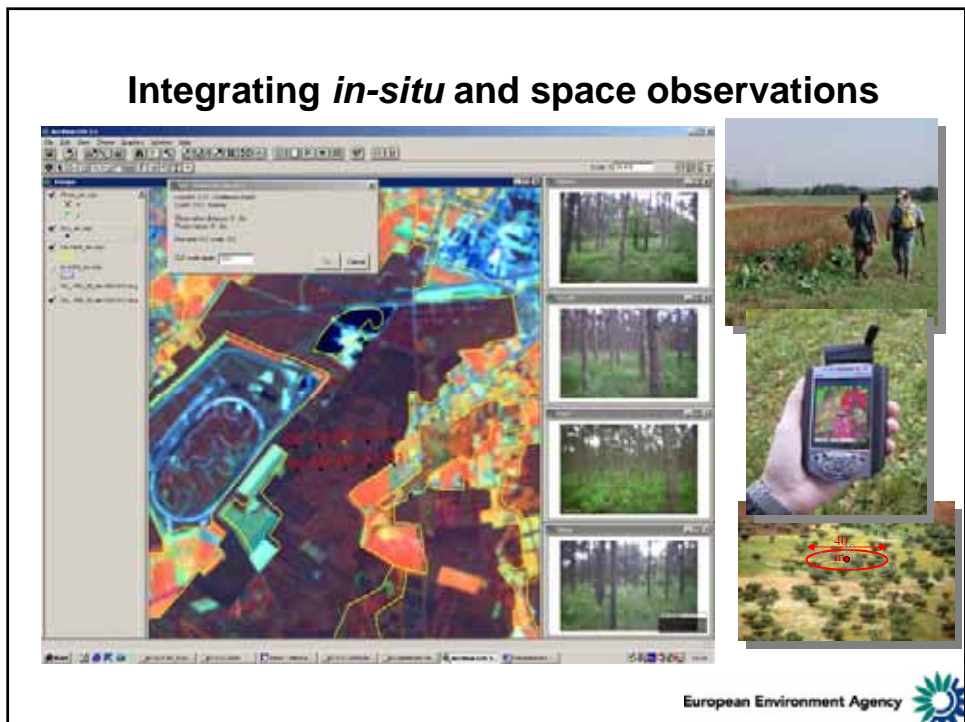
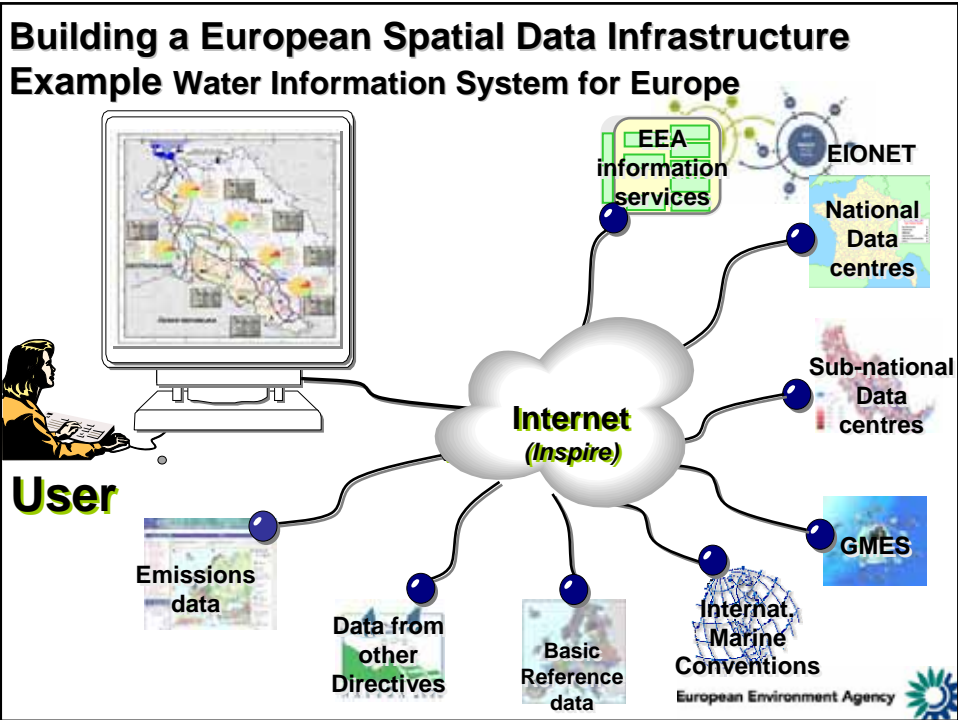


## Some key draft conclusions from the Belgrade report cont...

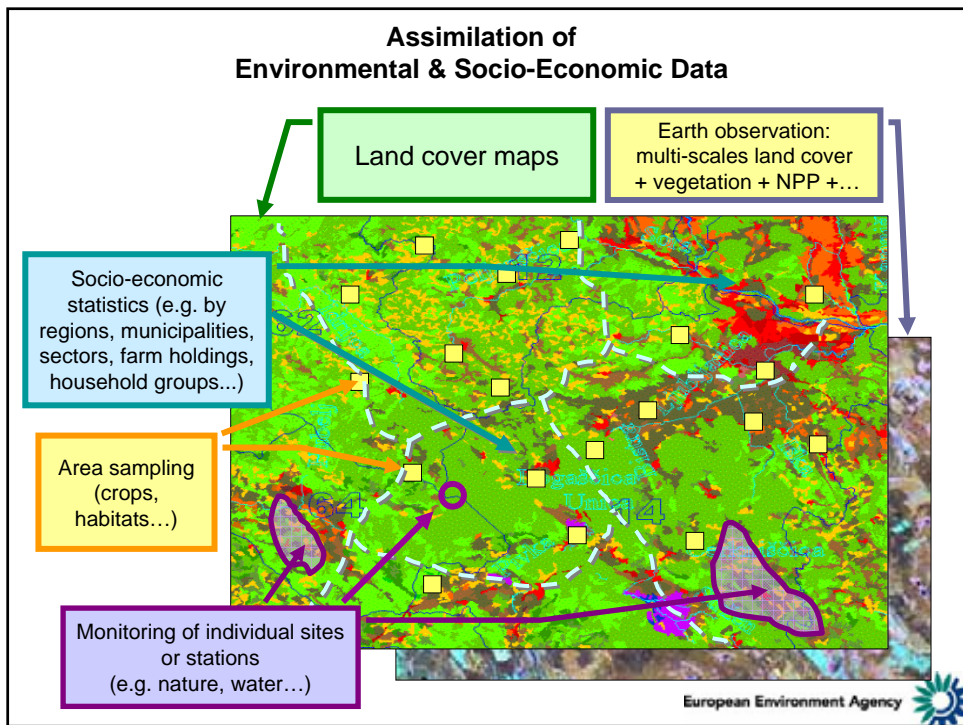
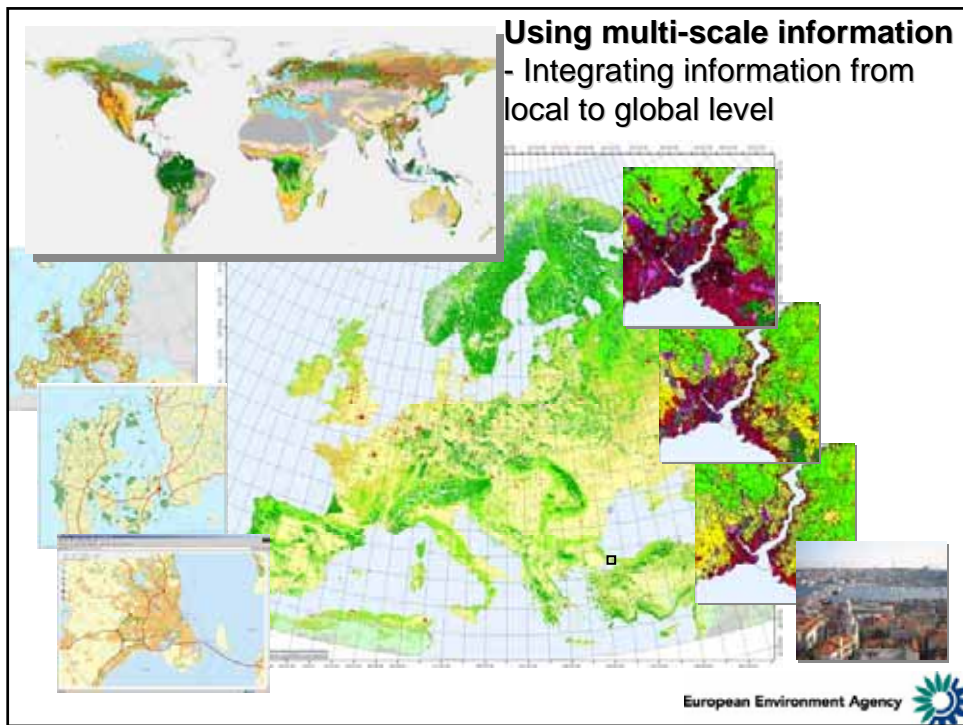
- A lack of awareness by soil users and policy makers on the effects of their actions on the good status of soil,
- Limited access to efficient equipment, cleaner technology and adequate knowledge

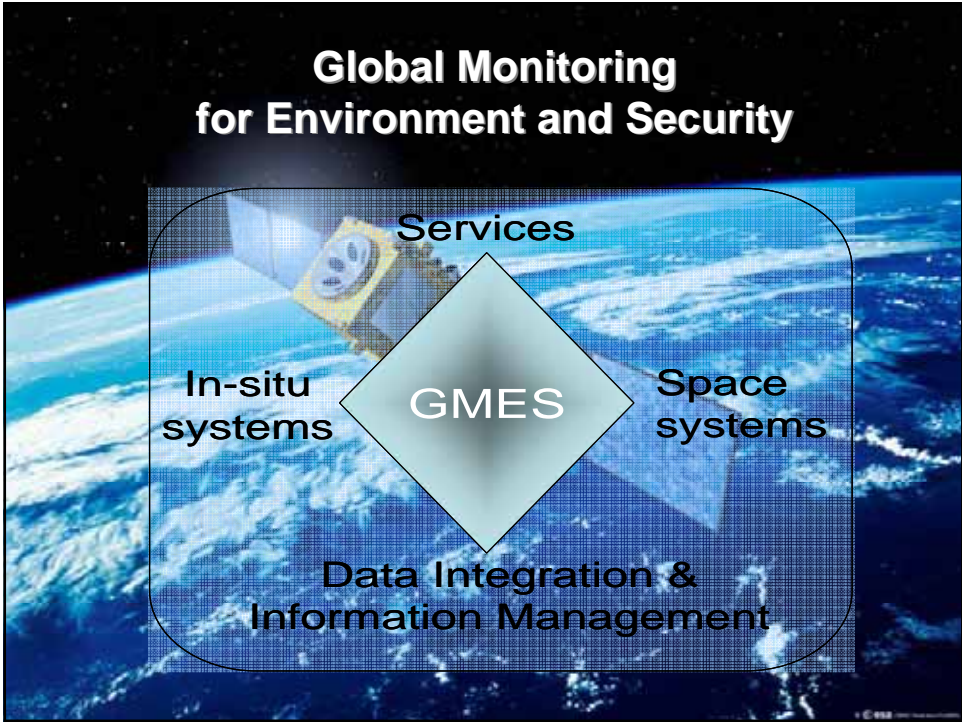
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## GMES "Fast Track" services




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**1. Land Monitoring**
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**2. Marine services**
- 

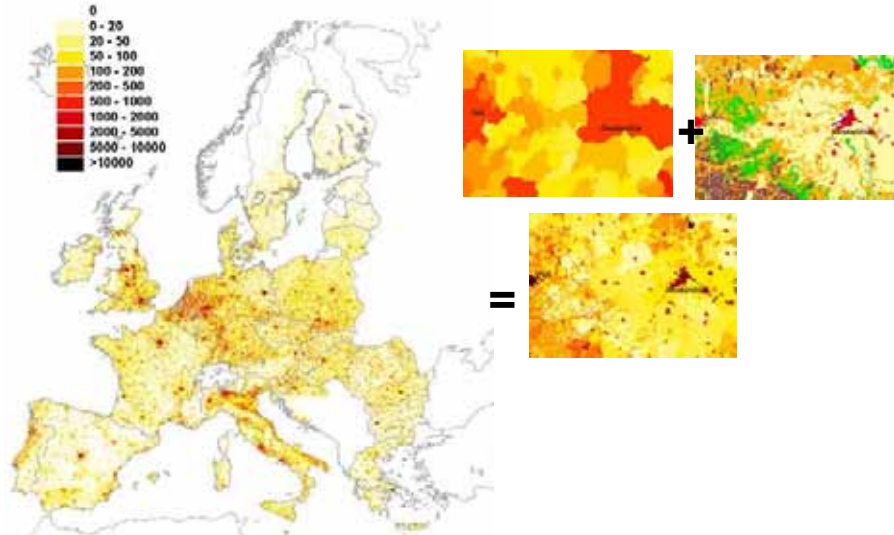
**3. Emergency response**
- 

**4. Air monitoring (tbc)**


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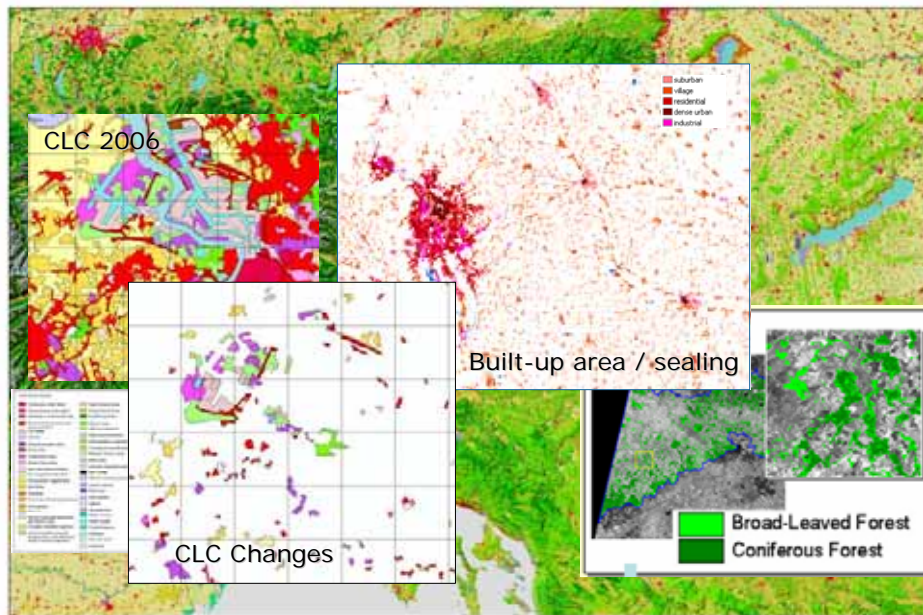
## Towards a right mapping of where people live



Source: EEA, JRC (2005)

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## ...and changes in land use



# Emergency mapping for crisis management



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European Environment Agency **Near real-time ozone monitoring**

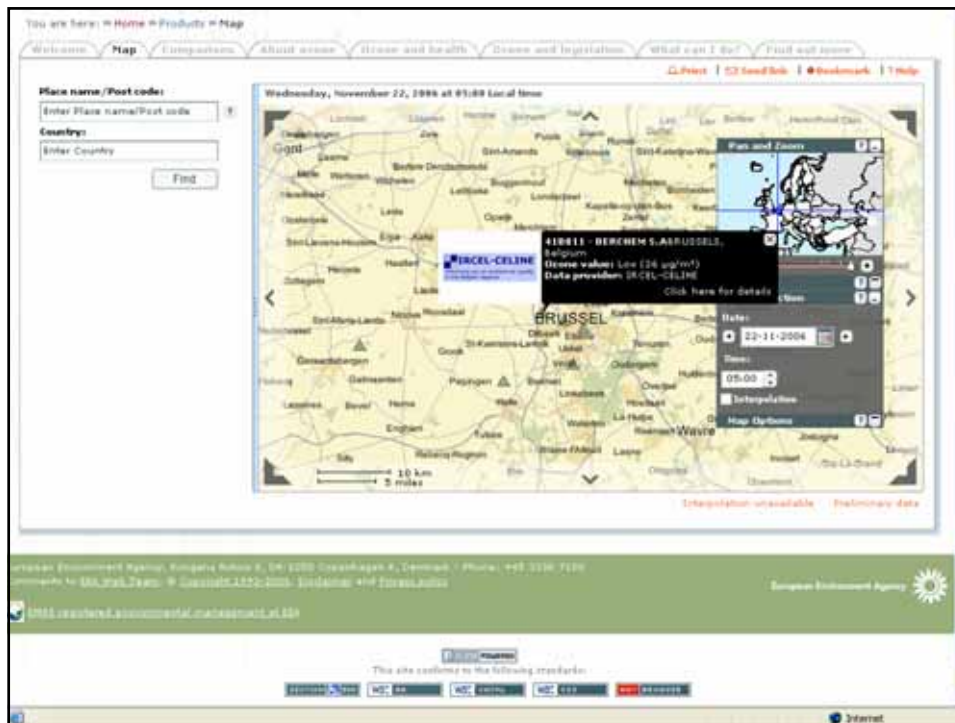
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Monday, July 20, 2008 at 10:59 local time

<http://www.eea.europa.eu/maps/ozone>

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## Improving return on investments

(EU25 2002)

- Environmental expenditures by industry  
**€30bn/year**
- Monitoring/modelling + data assimilation  
costs **€600m/year**
- ⇒ **GMES: €300m/year + 50 % from partners**
- Reporting costs **€10m/year**
- EEA investments **€2.5m/year**

Source: GMES

## Multiple local to global benefits focus



- Ramsar Convention on Wetlands
- Convention on Biological Diversity
- Convention on the Conservation of Migratory Species of Wild Animal
- Convention on International Trade in Endangered Species of Wild Fauna and Flora
- Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal
- Convention on Long range Transboundary Air Pollution
- UNEP Regional Seas programme
- Vienna Convention on protection of the Ozone Layer
- United Nation Framework Convention on Climate Change
- Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters
- Convention on Environmental Impact Assessment in a Transboundary Context

**United in words and in deeds**

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**Thank you for your attention!**



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