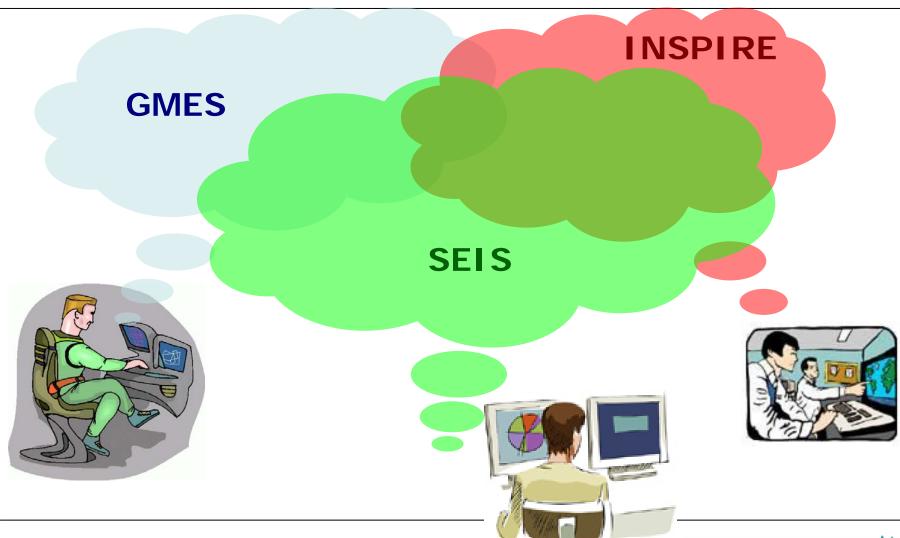
UK-EOF Data Solutions Workshop Coventry 25.06.2009

What is SEIS/GMES/GEOSS

Chris Steenmans – Head of Programme

Outline





Commission Communication Towards a Shared Environmental Information System



"Better decisions from local to European level need better and more timely information, based on more efficient monitoring and reporting systems"

S Dimas, Feb 2008

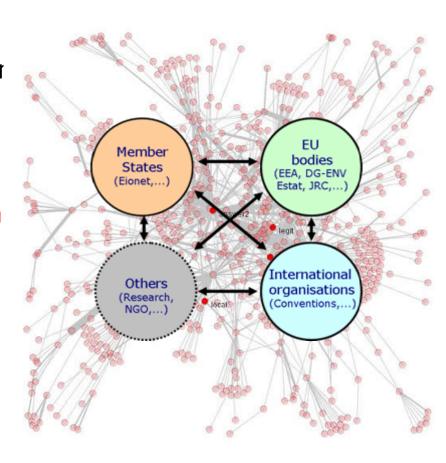




What is SEIS?



- ✓ A collaborative initiative of the European Commission, EEA and Member States
- ✓ Aiming at a modern system for organising environmental information
- ✓ Overall objective: improve knowledge base for environmental policy; reduce administrative burden

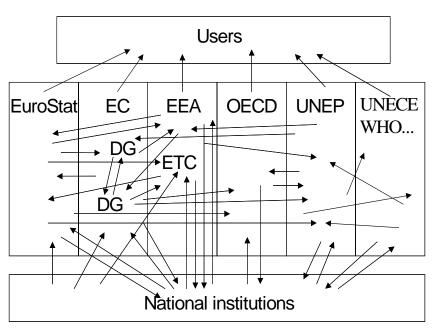




Why SEIS is needed?



- ✓ International Conventions and EU environmental legislation: main drive for collection of environmental data
- ✓ A wealth of information is collected but:



Source: EEA, 1999

- Fragmented reporting systems
- Shortcomings in relation to timeliness, availability, reliability, relevance of information
- Shortcomings in ability to turn data into policy-relevant information
- Underexploited opportunities offered by modern technologies
- Many initiatives and processes in the right direction, but inadequate coordination



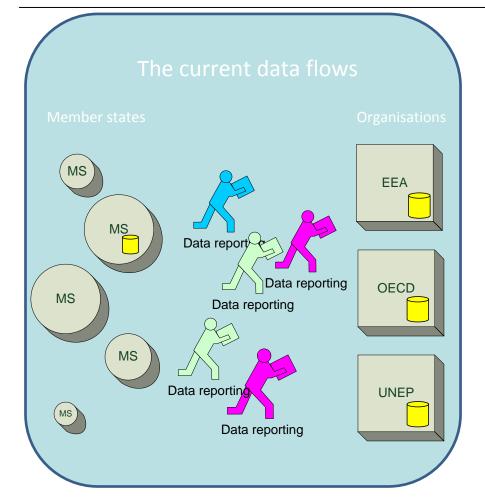
Benefits

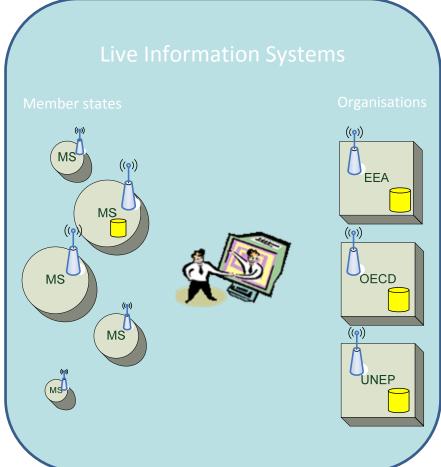


- Better regulation, better policy
 - More consistent and integrated input from Member States
- Increased flexibility and greater use of data
 - More efficient trans boundary & EU-level analyses
- Simplification and efficiency
 - Streamlining of data flows
 - Reduction in administrative burden and costs
- Empowering citizens
 - Widespread availability of information
- Promoting Europe globally
 - Better profile for the EU in various global fora
- Boosting innovation and intelligent e-Services
 - eEurope, eGovernment, eEnvironment

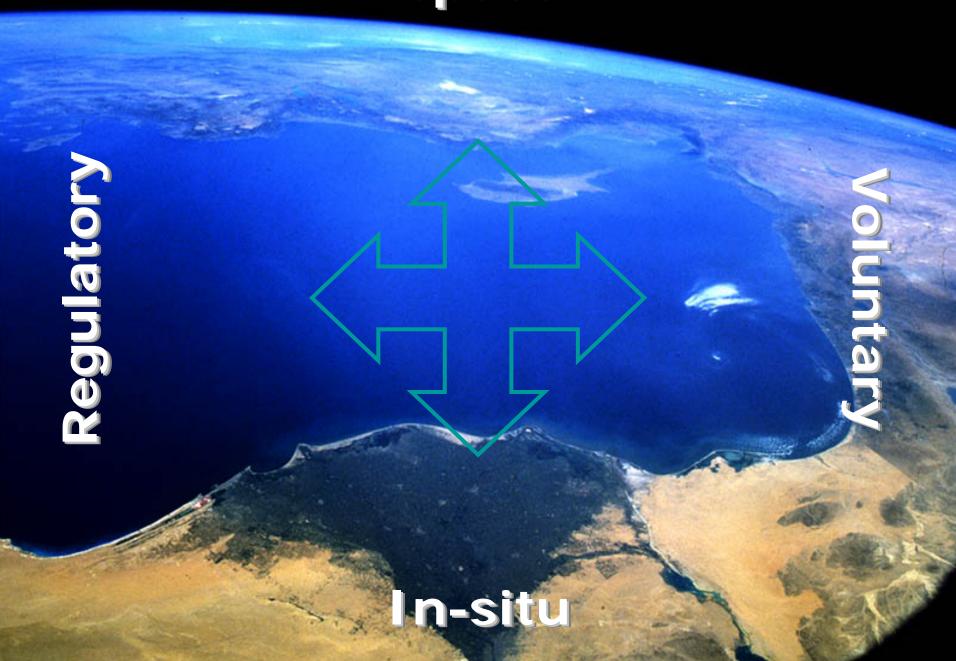
SEIS vision From Reporting to Online Services







Space





SEIS principles – abbreviated

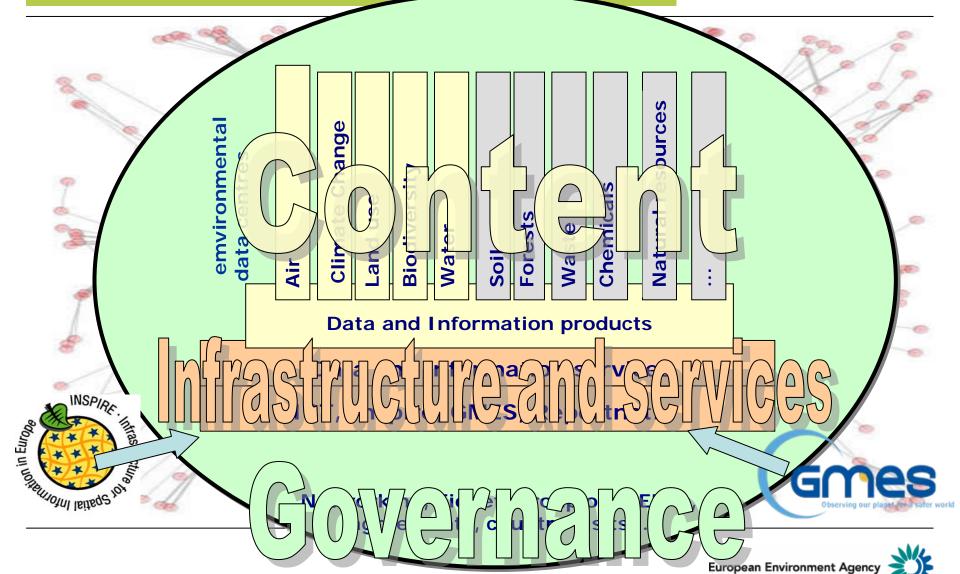
information should be

- managed as close as possible to its source;
- collected once, and shared with others for many purposes;
- readily available and easy accessible
- accessible to enable users to make comparisons at the appropriate geographical scale
- fully available to the general public at national level in the relevant national language(s)
- supported through common, free open software standards

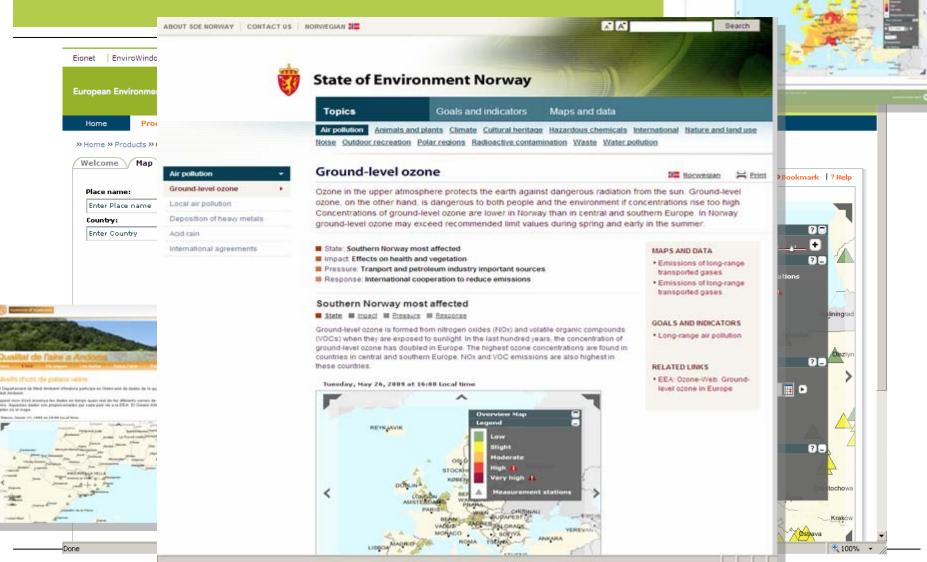


EEA SEIS information node - components

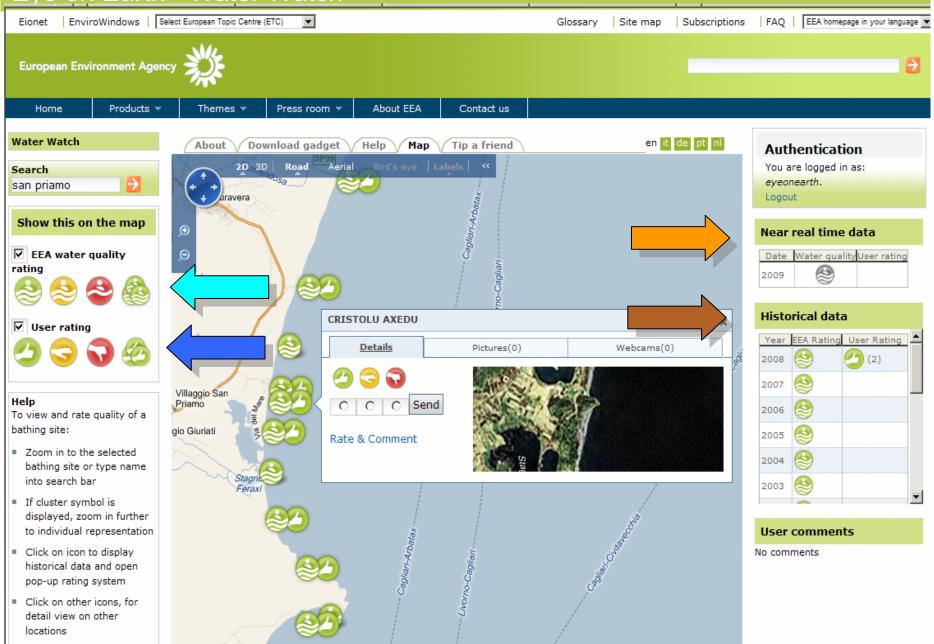




SEIS pilot air quality



SEIS pilot Bathing Water Eye on Earth - Water Watch



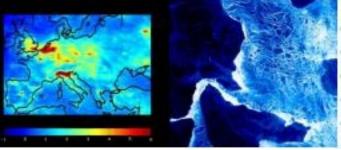




Global Monitoring for Environment and Security











GMES in a nutshell

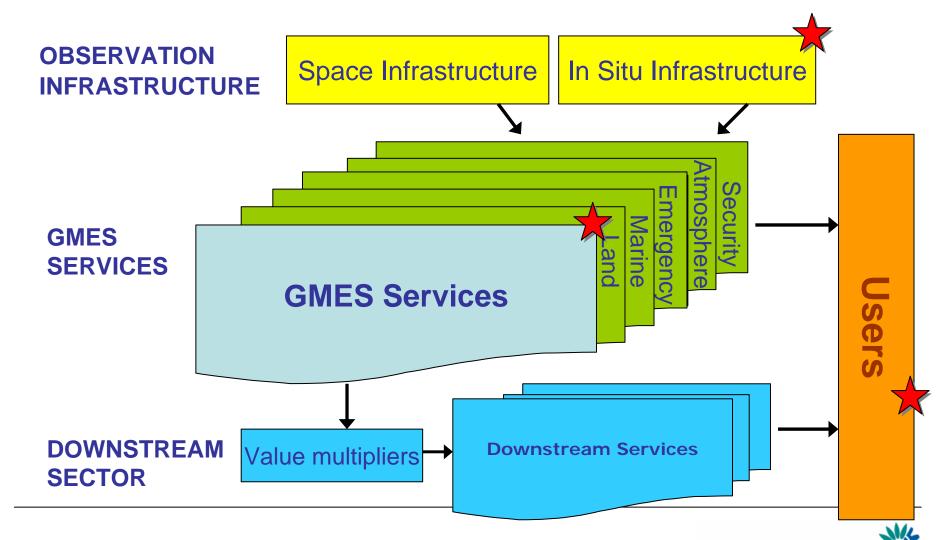


- EU-led initiative for an autonomous and operational European Earth observation capacity
- EU Need for information in support of:
 - European policies: environment & climate change, CAP, Maritime Policy, CFSP/ESDP...
 - EU international commitments: protocols and conventions (eg Kyoto, Montreal, CLRTAP..)
 - National or regional «adaptations» of these policies or commitments
- GMES aims to provide relevant information
 - Not only to policy-makers
 - But also many other users (national authorities/agencies, private industry, researchers, European citizen..)



GMES architecture







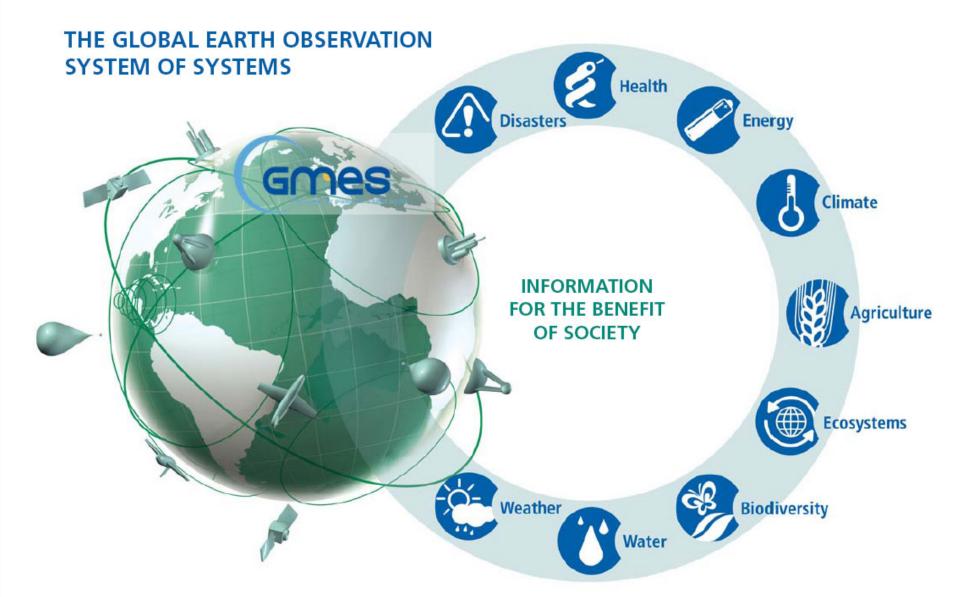
GMES next steps



- Legislative proposal for EU Earth observation programme and its initial operations 2011-2013
- The GMES financing needs will be subject to an analysis led by the EU.
 - For the period 2011–2013, the constraints of the existing EU budget will be taken into account.
 - Decisions on funding and organisational arrangements after 2013 will have to be determined as part of the next multiannual financial framework of the EU.
- The Commission will propose interim governance arrangements











GEO Data Sharing Principles

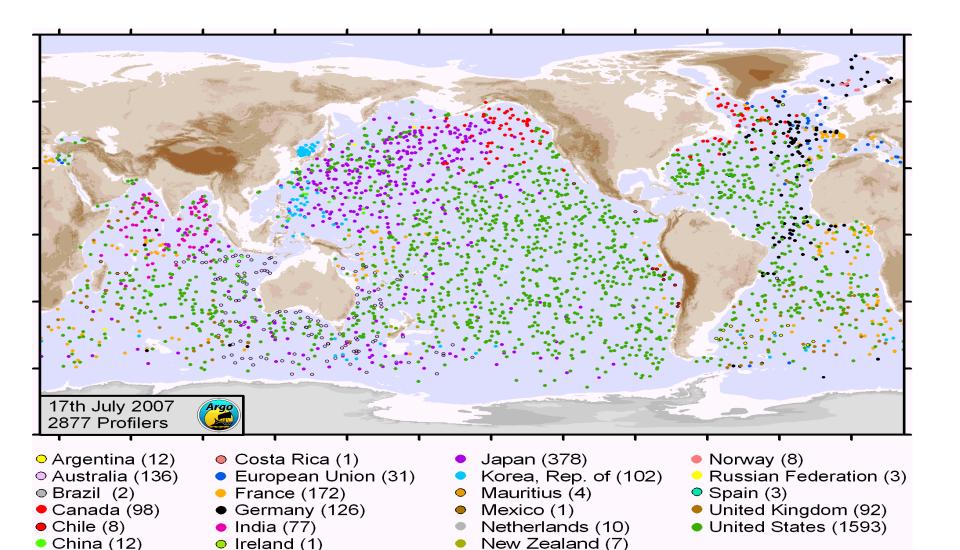
 Full and open exchange of data, recognizing relevant international instruments and national policies

 Data and products at minimum time delay and minimum cost

 Free of charge or minimal cost for research and education



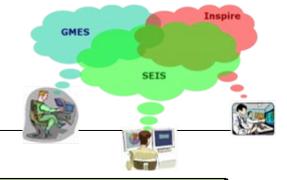
Long term sustainability e.g. ARGO



Integrating global citizen observations



Different focus ?



INSPIRE	GMES	SEIS
Content	Content	Content
Infra	Infra	Infra
structure	structure	structure
Services	Services	Services
Directive	Regulation	Regulation?
Business	Business	Business



Priorities for SEIS Implementation: 12 key elements (1)



- 1. Political commitment by a wide range of stakeholders
- 2. INSPIRE/GMES/SEIS to be mutually supportive
- 3. Legislative / non-legislative actions to reform environmental reporting
- 4. Accompanying streamlining/modernisation efforts in thematic environmental legislation
- 5. Promote streamlining/modernisation/co-ordination with international reporting obligations
- 6. Improve prioritisation of data/information needs



Priorities for SEIS Implementation: 12 key elements (2)



- 7. SEIS centre piece of EEA strategy
- Assessment of feasibility of harmonisation/co-ordination of monitoring systems
- Adequate use of existing financial instruments (e.g. Research, LIFE+, CIP)
- 10. Promoting SEIS in third countries
- 11. Addressing business model / data policy aspects
- 12. Defining a communication strategy

Thank you!



