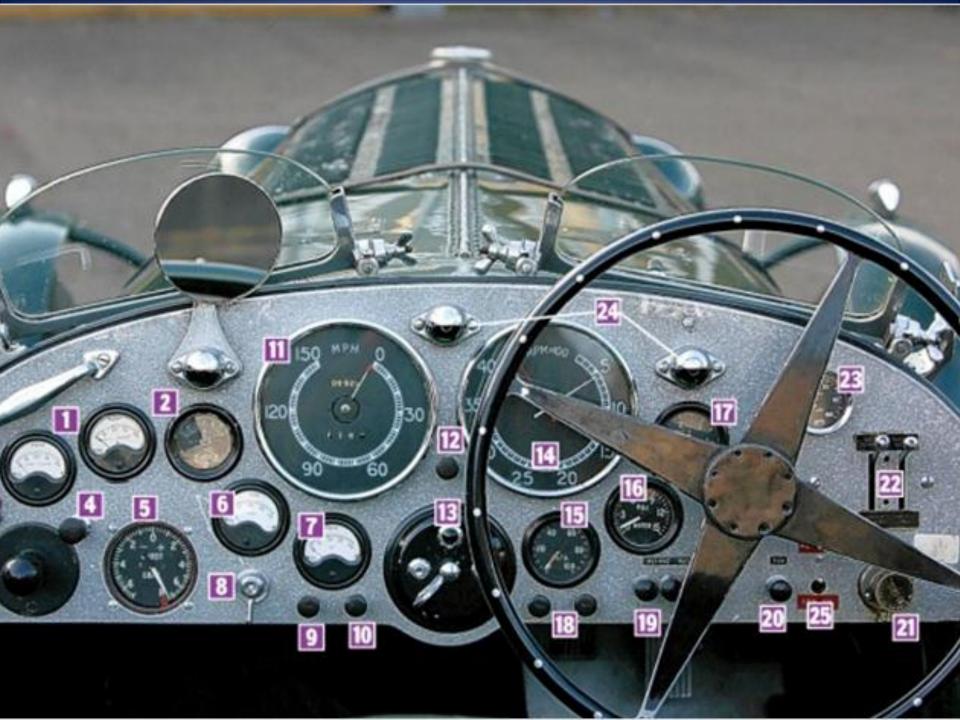


Distributed research is already underway

Hundreds Of Thousand of Organizations

- Understanding Global Climate Change
- Natural Resource Inventory
- Disaster Response
- Business Efficiency
- Managing Land and Water
- Biodiversity & Ecosystem Conservation
- Environment and Human Health
- Forest Management
- Land Information Management







Why Are We Here?



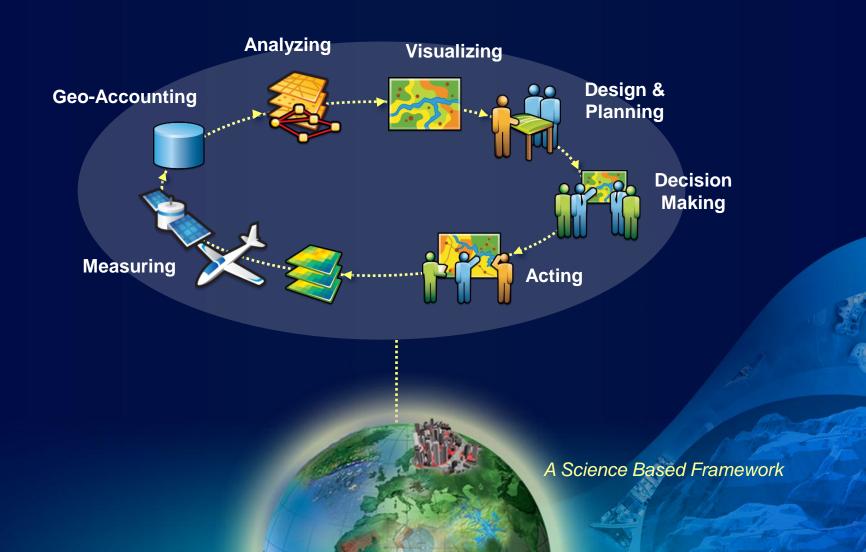
Designing for the Future

Information Needs to be <u>Shared and Made Accessible, Anytime, AnyWhere</u> And Put into A <u>Format That Supports Action</u>

- We're measuring everything that moves
- Not just about visualization, data quality
- •Need to share, make it available, free access tools for visualization and mapping
- Bringing actionable information and tool into society
- Anytime, anywhere
- Make decisions
- Understand the consequences of our actions
- Train the world

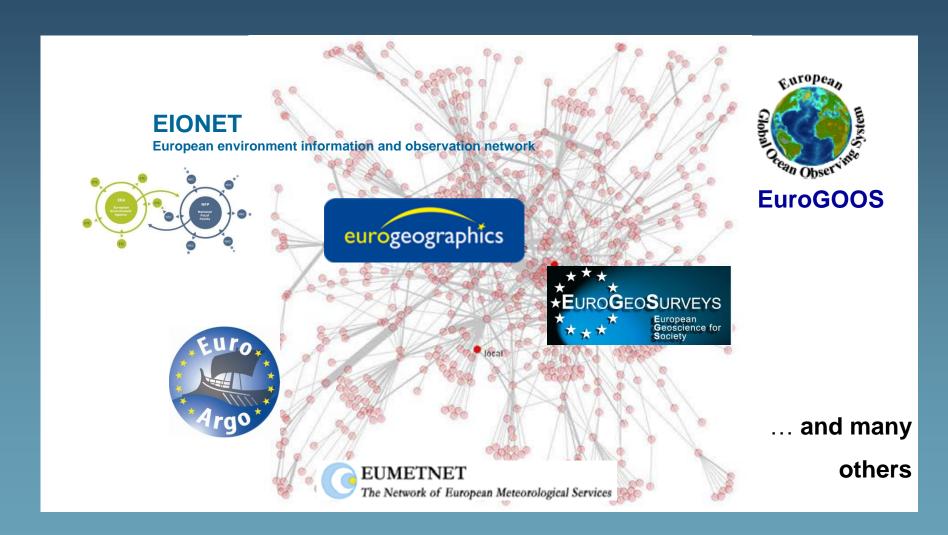
GeoDesign – a process for geographic design

Identifying the Gaps



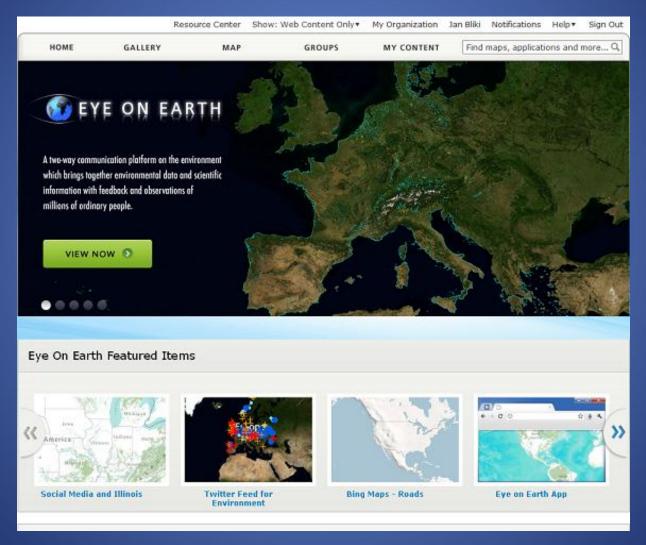


Coordinating networks: transparency & governance





Global public information service





Global public service

Web map services

ArcGis – Esri web-services

WMS – OGC services

KMI – OGC / Google services

Data

GPX - GPS Exhange formation

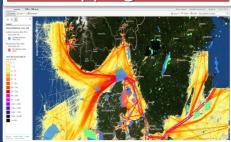
KML – Google keyhole file

CSV – Comma seperated file

SHP – Esri Shape file



Mapping tools



Applications





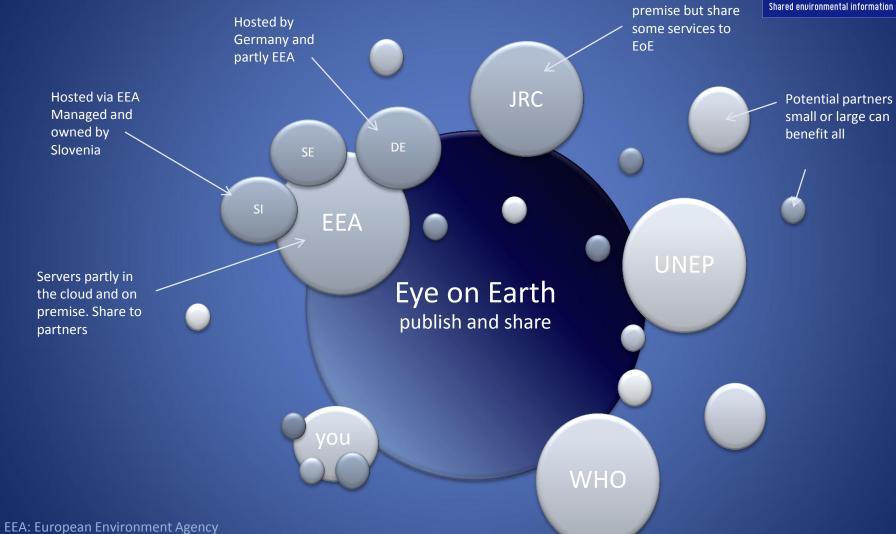
JRC: Joint Research Centre, WHO: World Health Organisation

(This slide does not demonstrate the true relationships)

SE: Sweden, SI: Slovenia, DE: Germany



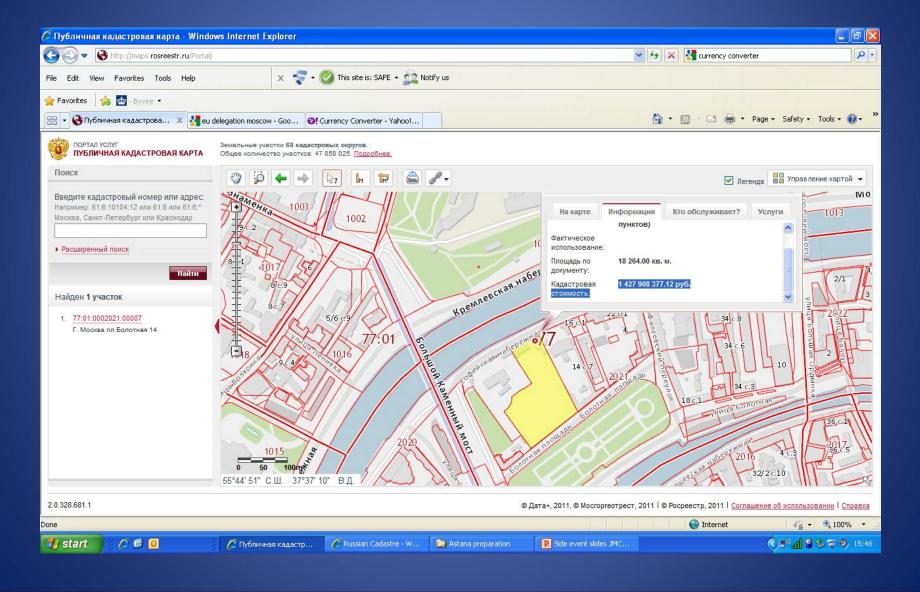
Servers on







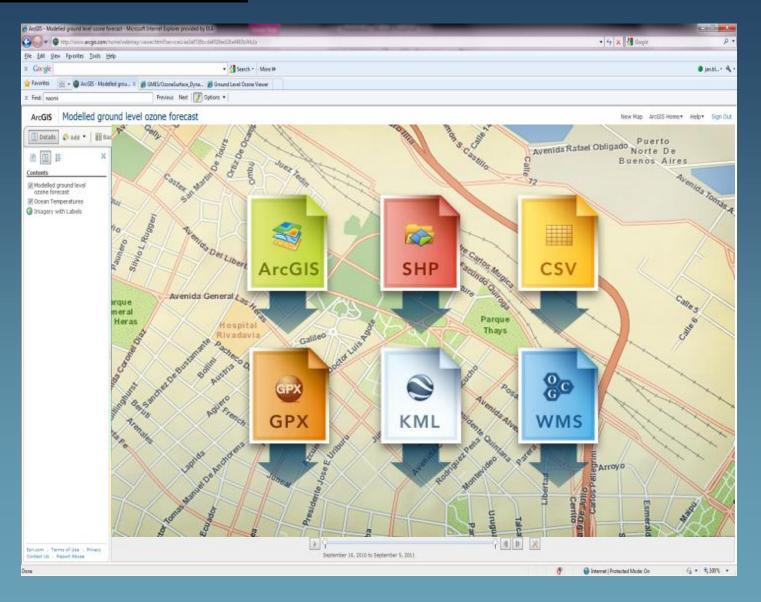
Spatial Data Infrastructures





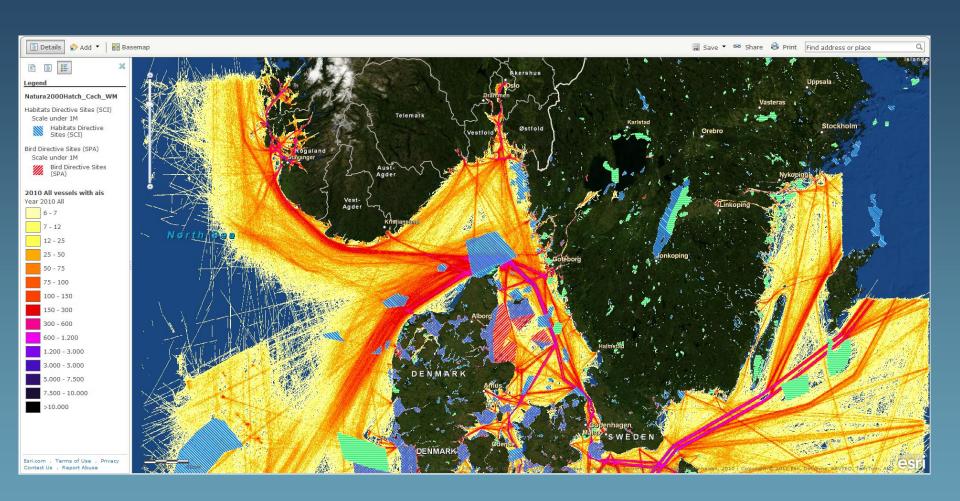


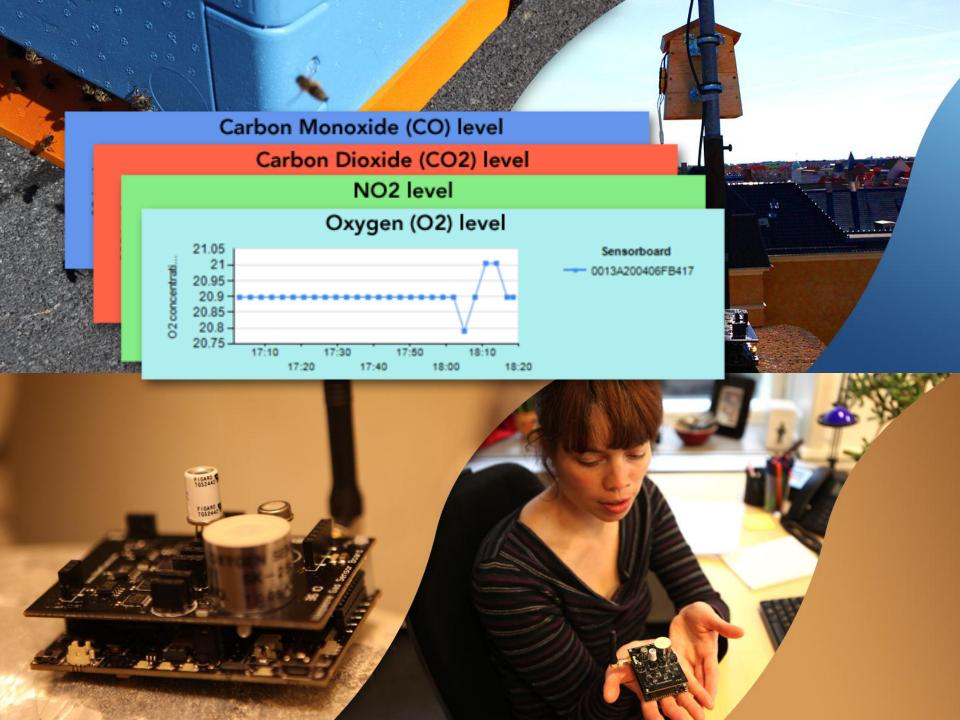
Drag and drop intelligent maps





Maritime shipping 2010 & Natura 2000 protected sites

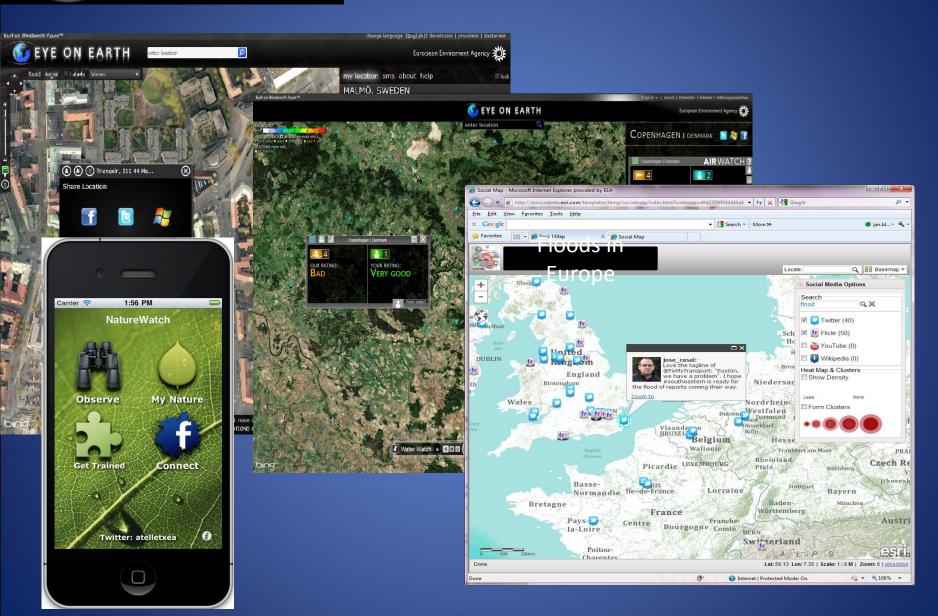








Social media integration







The Eye on Earth Network

An Environmental Nervous System For Our Planet



Maps Model Apps Data Workflo Image^{ws}



Providing a Systematic Framework