

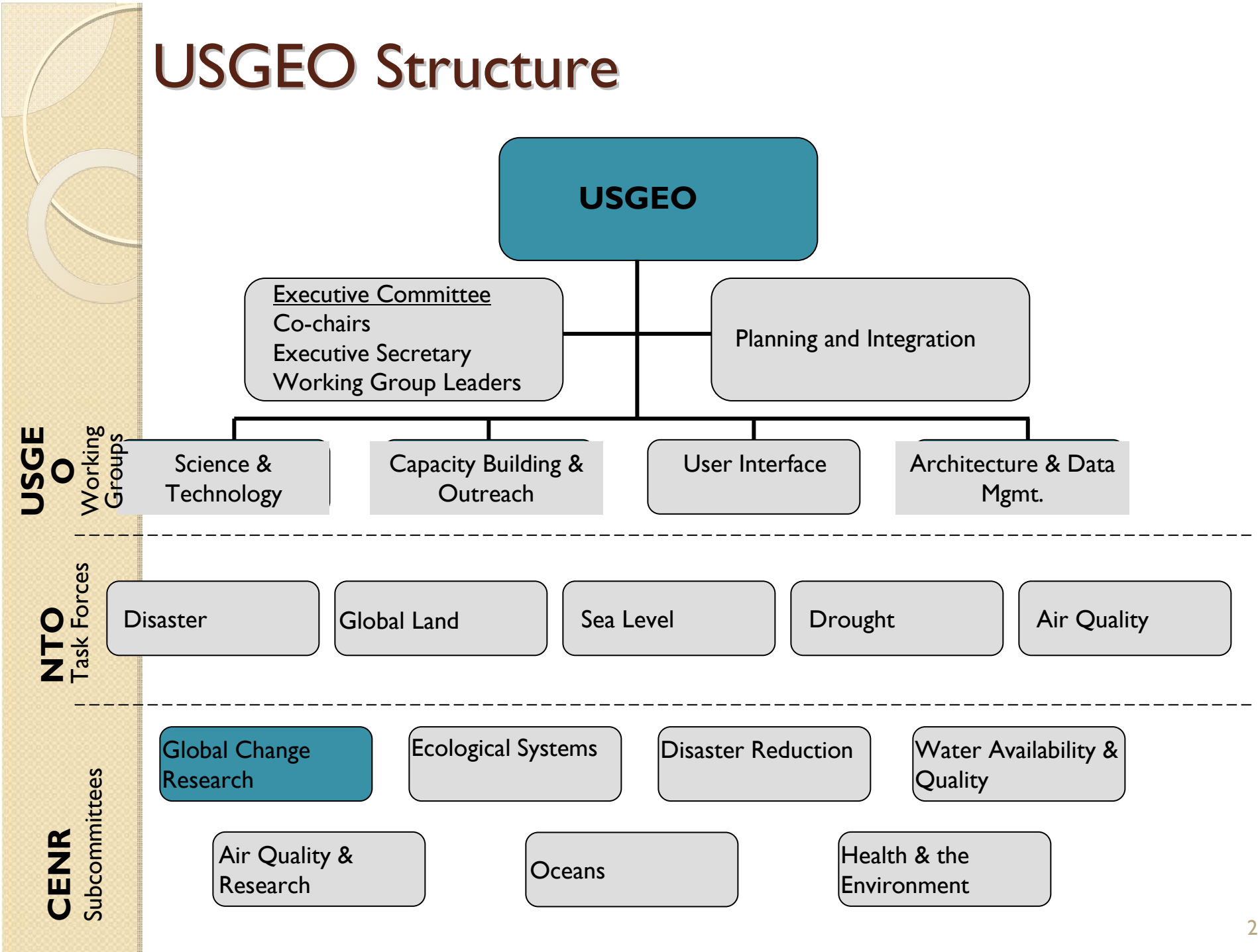


# USGEO Perspective

Goals and Agency Perspectives  
ESIP Federation Summer Meeting  
Santa Barbara 2009

Steve Young, EPA  
Francis Lindsay, NASA

# USGEO Structure

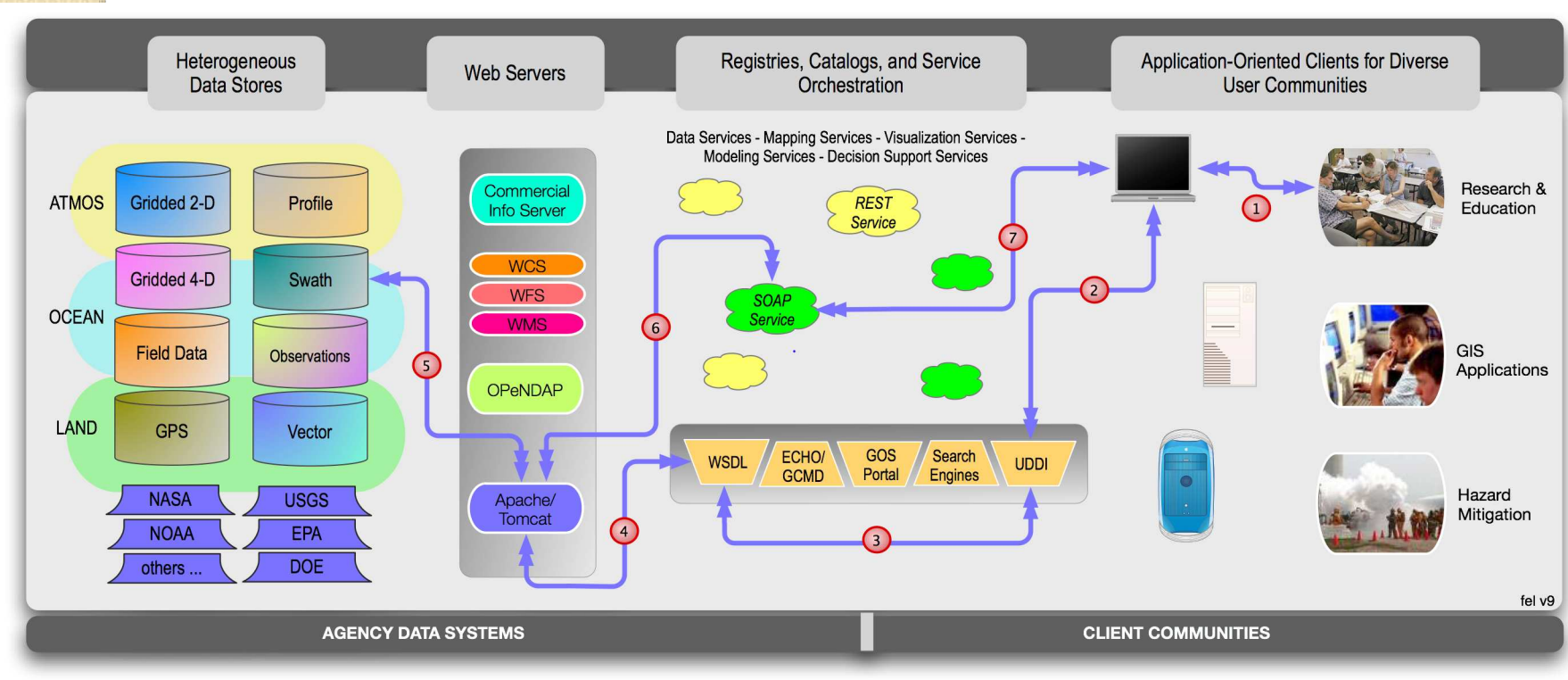




# IEOS Purpose Statement

- A core purpose of the Integrated Earth Observation System (IEOS) is to provide the widest possible access to data and information products held in a number of existing, distributed systems.
- Interoperability is a key to providing users effective information and data discovery, access and analysis capabilities across these heterogeneous systems and IEOS can achieve interoperability via a suite of common, standards-based service interfaces.
- This service-oriented architecture approach, consisting of loosely-coupled, Web-oriented services, will provide interoperability between USGEO data and information systems and user community tools and systems.

# Orchestration of Web Services





## A Common Infrastructure Supporting Air Quality and Atmospheric Composition Research

- The development of the IEOS is synonymous with the concept of a common data and information infrastructure that supports US agency goals, missions and objectives.
- The IEOS will not be 'a' system but a system of systems that supports interfaces to other systems (both US and international).
- Data, components and services will be voluntarily offered from partnering agencies and will act as the host for these (hopefully persistent) IEOS resources.
- It is believed that the development of a US IEOS will both improve our inter-agency exchange of data and services and will provide a valuable contribution to the GEOSS infrastructure efforts.