

AR-07-01 – Issues for Attention

- Tactical and Strategic Guidance documents – what is the agreed approval/ publication process?
 - Strategic Guidance will be published/printed by JAXA and announced by the GEOSec; Tactical Guidance is still in process, targeted for October release
- UIC recommends the inclusion of a requirements registry for earth observations to be integrated with the existing services and standards. Requirements available from several members.
 - Joint effort and discussion document with UIC is needed to clarify the needs, interaction, governance, and approach of a solution; Could this be achieved through a new Task?
- GEOSS Earth Observation taxonomy or ontology suggested to facilitate association of requirements, services, and applications
 - Identify requirements for “observables” ontology drawn from the existing EO communities in order to associate applications, needs, and available services

AR-07-01: Registries

- Define and deploy GEOSS Registries
 - Component and Service Registry: ***operational***
 - Standards and Special Arrangements Registry: ***operational***
 - Online capabilities referenced in Tactical Guidance, ***as of May 2008, Tactical Guidance document is still not visible on the GEO Website***
 - Connection points between Requirements Registry and other Registries being identified (Feb 2008)
 - User Requirements Registry prototype online for testing by UIC, ***published draft May 2008***
 - Best Practices Wiki, ***online April 2008***

User Requirements Registry

- Need to formalize UIC commitment for the operation and interaction with the registry – significant governance issue
- Web-form upload by privileged individuals anticipated
- Batch upload from existing requirements systems also anticipated
- Architectural tie-points exist between the “observations” (observable parameters) and the Services and Standards Registries
- Continued web services and database support to be offered by this Task to UIC during IOC

User Requirements Registry

- UIC Task (US-07-01) plans to develop a registry to store EO requirements for identified classes of users in support of applications (SBAs)
- Development on-hold pending a database re-design to simplify the collection and presentation of entries

What will make GEOSS valuable, unique and sustained?

- GEO Common Infrastructure reaches Sustained Fully Operation Capabilities (from IOC to SFOC)
- GEO members and participating organisations
 - make available their resources for a broader community to the maximum feasible extent
 - by registering systems and components
 - harmonise “data and services” access conditions
 - by adopting GEO data sharing principles
 - increase their level of interoperability
 - by progressive convergence toward commonly used standards
 - sustain operations
 - by leveraging investments and operating in real international partnerships
- **Large use by User Communities**

ADC Issues and Recommendations

- **Population of the GEOSS registries** must be intensively encouraged
- **Continuous response to Users direction** through the UIC and the user requirements authentication and registration
- **Implementation of the GEOSS Data Sharing Principles** is important to ensure the real use of registered resources
- Reflection on **Public & Private partnerships opportunities** is needed
- **Sustainable operation** should be established for Common infrastructure and registered GEO resources

IOC Recommendations for long-term GCI operations

- Potential points for recommendation include:
 - long-term implications and possible related contractual requirements
 - systems operations and maintenance (hardware, telecommunications, and software)
 - proprietary vs. open-source software impacts
 - the use of multiple Portals and Clearinghouses
 - **access procedures, user interface conventions and user community requirements**
 - transition criteria and planning for when portal or segment providers terminate contributions to the GCI.
 - Enhancing the GCI and improving the registration process
- Proposed milestone: draft document available **April/May 2009**

THE SPECTRUM OF USERS

From observations

Requirements well known

Earth observations &
earth system models

Data-to-Information
archiving & services

Decision support tool
development

Decision making

Assessment of benefits

To societal benefits

Earth system scientists
and modelers

Earth system service
providers

Environmental process
modelers & researchers

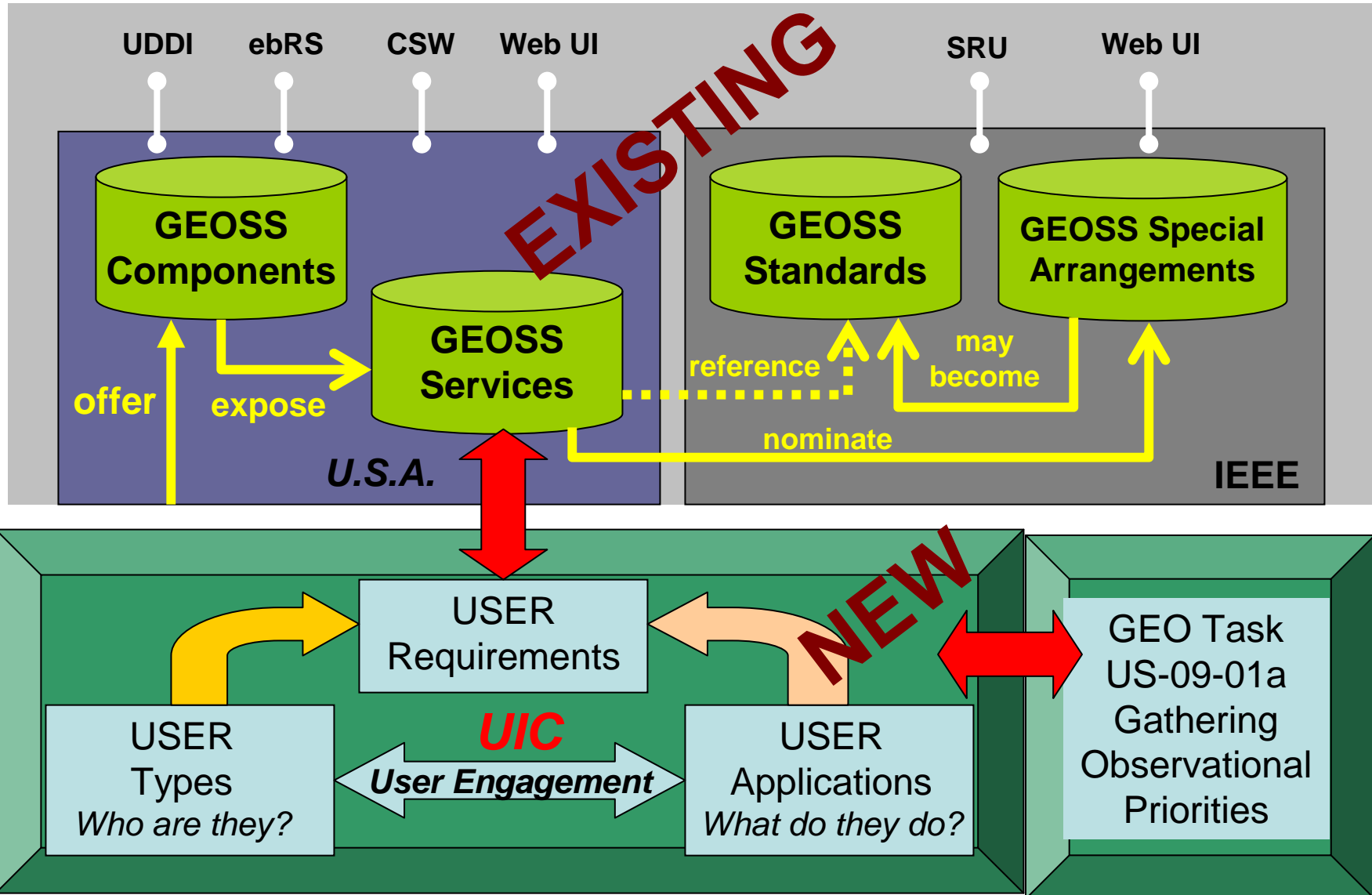
Policy Makers &
Environmental managers

Public officials, advocacy
groups and the Public

Not aware that observational
Requirements are even needed

NOVICE USERS

GEOSS Registries



EPA/NASA/IEEE/ECMWF/ERG/U Nevada