

Architecture and Data Committee Standards and Interoperability Forum

GEOSS Interoperability Workshop

12 & 13 November 2009
IEEE-USA Headquarters, Suite 700
2001 L Street, NW
Washington, D.C. 20036

Thursday, 12 November 2009	
9:00	Welcome and Logistics
9:15	Outline and Objectives of Workshop
	<ul style="list-style-type: none"> • Survey interoperability issues confronting GEOSS • Develop recommendations for GEO tasks, committees and task forces • Refine SIF ConOps • Help SIF Regional Teams become operational
9:30	Introduction to the Standards and Interoperability Forum
	<ul style="list-style-type: none"> • New SIF positions (advocate, tester, interoperability advisor, overseer) • Mission, operating procedures, composition • Question and answer
10:15	Break
10:45	Invited Presentations on Interoperability – Part 1
	<ul style="list-style-type: none"> • GCI IOC recommendations report • AIP-2 Engineering Reports, plans for AIP-3 • Discussion
12:00	Lunch Break
13:30	Invited Presentations on Interoperability – Part 2
	<ul style="list-style-type: none"> • Lessons learned: <ul style="list-style-type: none"> - WIS - GIGAS - ESONET - DIAS
15:00	Break
15:30	Invited Presentations on Interoperability – Part 3
	<ul style="list-style-type: none"> • Lessons learned: <ul style="list-style-type: none"> - ESA HMA - Modeling frameworks and uniform data access - UIC and the GEOSS User Registry
16:30	Discussion and Review of Day One
17:00	Close
Evening: SIF Dinner (Location TBD)	

Friday, 13 November 2009	
8:30	Technical Topics – Discussion Groups – Part 1
	<ul style="list-style-type: none"> • Convergence on “recommended” standards for GEOSS? Process and Politics <ul style="list-style-type: none"> - Metadata - Catalog search protocol - Data content, encoding and service standards - Portrayal - Transformation - QA/QC • Coordination w/ other GEO Tasks (Data Sharing, QA4EO, Harmonization, etc.)
10:15	Break
10:45	Technical Topics – Discussion Groups – Part 2
	<ul style="list-style-type: none"> • Data sharing, authentication/single login, DRM, billing • Alternate search mechanisms for GEOSS • Semantic interoperability in GEOSS • Taxonomy of GEOSS Standards and Special Arrangements
12:00	Lunch Break
13:30	SIF Operations – Part 1
	<ul style="list-style-type: none"> • Review and demonstration of Best Practices Wiki, CSR, SIR, CuteFlow • Forming and operating a SIF Regional Team • Refinement of SIF ConOps • Updating the SIF process model
15:00	Break
15:15	SIF Operations – Part 2
	<ul style="list-style-type: none"> • Strategy for involving broader spectrum of GEO SBAs, CoPs • Partnerships, cooperative arrangements: NASA SPG, IOOS DMAC, ISO/TC211, IEEE Standards Association • A SIF controlled vocabulary for advocacy
16:30	Break (discussion report preparation)
17:00	Summary, Further Actions
17:30	Close

GLOSSARY

AIP	Architecture Implementation Pilot	GCI IOC	GEOS Common Infrastructure Initial Operating Capability	QA4EO	Quality Assurance Framework for Earth Observation
CFP	Call For Participation	GEO	Group on Earth Observations	SBA	Societal Benefit Area
ConOps	Concept of Operations	GEOS	The Global Earth Observation System of Systems	SIF	Standards and Interoperability Forum
CoPs	Communities of Practice	GIGAS	GEOS, INSPIRE and GMES an Action in Support	SIR	Standards and Interoperability Registry
CSR	Components and Services Registry	HMA	Heterogeneous Missions Accessibility	TF	Task Force
CuteFlow	http://www.cuteflow.org/	IOOS DMAC	Integrated Ocean Observing System Data Management And Communications	UIC	User Interface Committee
DIAS	Data Integration and Analysis System	ISO/TC211	ISO Technical Committee Geographic information/Geomatics	WIS	WMO Information System
DRM	Digital Rights Management	NASA SPG	NASA Standards Process Group	WIS	WMO Information System
ESONET	The European Sea Floor Observatory Network				