

GEOSS Workshop XXXVII

GEOSS Workshop XXXVII – Data Quality and Radio Spectrum Allocation Impact on Earth Observation

Organised in association with IEEE ICEO and GRSS, OGC, and ISPRS

Details: go to <http://www.ieee-earth.org/events/geoss-workshop-xxxvii-radio-spectrum-allocation-impact-on-earth-observation-and-data-quality>

Location and Date: Hilton Hawaiian Village, Honolulu, HI, July 25, 2010

This one-day GEOSS workshop XXXVII on “Data Quality and Radio Spectrum Allocation Impact on Earth Observations” will address the broad challenges of data quality and the impact of generating reliable information for decision makers who are Earth data users but not necessarily experts in the Earth observation field. GEO has initiated a data quality assessment task (DA-09-01a) and workshop users will review and debate the directions and challenges of this effort. Radio spectrum allocation is an element of data availability and data quality, and is also associated with a GEO task (AR-06-11). A recent U.S. National Research Council report on spectrum management for Earth science will be addressed as part of the workshop. Key representatives from industry, academia, and government will provide invited talks on these and related issues that impact GEOSS implementation.

WORKSHOP PROGRAM – GEOSS Workshop XXXVII Data Quality and Radio Spectrum Allocation Impact on Earth Observation

Morning Session

Time	Topic	Speaker
SESSION 1: Opening – Moderator: Jay Pearlman		
8:30	Welcome and opening	Alberto Moreira , DLR, Germany; Al Gasiewski , University of Colorado, Boulder
8:45	Logistics and Introduction to Workshop Objectives	Francoise Pearlman , IEEE
SESSION 2: Data Quality Overview and Data Providers Perspective – Moderator: Gyanesh Chander		
9:00	GEOSS Architecture and Data Overview	Siri Jodha Khalsa , NSIDC
9:25	GEOSS Data Quality discussions and outcomes	Steve Ungar , University of Maryland
9:50	US (NASA) Perspective	Steve Volz , NASA
10:15	Coffee Break	
10:45	European Perspective – Aspects of Data Quality in Spatial Data Infrastructure	Paul Smits , Katalin Toth , Robert Tomas , JRC
SESSION 3: Radio Spectrum allocation Impact on Earth Observation - Moderator: Francoise Pearlman		
11:10	Spectrum Management for Science in the 21 st Century (NRC report summary)	Al Gasiewski , University of Colorado
11:35	RFI Mitigation for SMOS	Adriano Camps , Universitat Politecnica de Catalunya
12:05	EARS radio spectrum program	Andy Clegg , U.S. National Science Foundation

Time	Topic	Speaker
12:30	Lunch – No Host	
Afternoon Session		
SESSION 4 : Data Quality – User Perspective Moderator: Changyong Cao		
Time	Topic	Speaker
13:45	Quality Assurance for Societal Benefit	Irwin Alber , IEEE
14:10	RFI and L-band soil moisture missions	Ed Kim , NASA
14:35	RFI mitigation and data assessment in passive remote sensing of Ocean parameters	Marty Brewer , Remote Sensing Systems
15:00	Climate Data Records	Julienne Stroeve , NSIDC
15:30	Discussion and Coffee Break	
SESSION 5: Breakout Groups		
16:00	Charter to Breakout Groups:	AI Gasiewski
16:15	Breakout Groups A) GEOSS and Data Quality – Data Users B) Issues and Challenges -Data Quality providers C) Spectrum Allocation Impact on Earth Observation	A. Group A – moderator/recorder B. Group B – moderator/recorder C Group C – moderator/recorder
17:30	Reports of Breakouts and Panel	
SESSION 6: Closing		
17:45	Conclusions and Workshop Summary	
18:00	Workshop adjourned	