

#

#

# Sunday, April 28, 2019

**CEOS WGISS-47, Agenda**

**Silver Spring, Maryland, USA, April 29-May 2, 2019**

**Hosted by the National Oceanic and Atmospheric Administration (NOAA)**

**Version 1.1 April 29, 2019**

**\*Indicates remote presentation**

## 18:00 WGISS-Exec Meeting

# *Courtyard by Marriott Silver Spring Downtown, meet in lobby*

*8506 Fenton St, Silver Spring, MD 20910*

# Monday, April 29, 2019

## 08:30 Registration

## 09:00 Convene

#### WGISS PLENARY Mirko Albani

09:00 Host Welcome *Dr. Steve Volz,*

 *Dr. Ed Kearns*

10:00 Welcome and Introductions, Adoption of Agenda *Mirko Albani*

10:10 Introduction to NCEI *Ken Casey*

10:20 WISP Report *Michelle Piepgrass*

10:30 WGISS Chair Report *Mirko Albani*

10:45 GEO Secretariat Report *Paola de Salvo\**

## 11:00 Break

11:20 Future Meetings *Robert Woodcock*

11:30 CEOS Working Groups Reports and Progress on Cooperation with WGISS

 WGCV *Kurtis Thome*

12:00 Review of CEOS 2019-21 Work Plan and WGISS 2018-2020 Work Plan *Mirko Albani*

12:10 Systems Engineering Office (SEO) Report *Brian Killough*

## 12:30 Lunch (on your own)

**Future Data Architectures Elements Demonstration and Interoperability Workshop**

13:50 Introduction and Scope *Robert Woodcock*

14:10 GEO AquaWatch with Demonstration *Steven Greb*

14:30 CEOS SEO Client Interfaces and Open Data Cube with Demonstration *Brian Killough*

14:50 FDA Common Architecture Whitepaper (FDA-08) *Robert Woodcock*

15:10Inventory and Characterize Existing FDAs (FDA-09) *Mirko Albani*

## 15:20 Break

15:40 USGS Architecture for Services in the Cloud *Kristi Kline*

16:00 ESA PDGS Data Cube with Demonstration *Andrea Della Vecchia*

16:20 Discussion on 4i (interfaces, interoperability, implications and impact) *Robert Woodcock*

## 17:00 Adjourn

# Tuesday, April 30, 2019

## 09:00 Convene

09:00 CEOS Executive Officer (CEO) Report *Steven Hosford\**

**Future Data Architectures Elements Demonstration and Interoperability Workshop**

09:20 Data Cube Service *Cristiano Lopes*

09:40 GEOhazard Thematic Exploitation Platform with Demonstration *Francesco Barchetta\**

10:00 Copernicus Data and Exploitation Platform – Deutschland (CODE-DE) with Demonstration *Christian Strobl\*,*

 *Christoph Reck\**

10:20 Food Security Thematic Exploitation Platform with Demonstration  *Antonio Romeo\**

## 10:40 Break

11:00 Plateforme d'Exploitation des Produits Sentinel (PEPS) *Richard Moreno*,

 *Patrice Henri\**

11:20 JASMIN Super Data Cluster *Phil Kershaw\**

11:40 Big Data Approaches Supporting Market Growth in EO at the Satellite Applications Catapult *Rob Fletcher*

12:00 Discussion: Concrete Next Steps for FDA Interoperability and Ecosystem Take-up;

 Address actions from SIT-34 *Robert Woodcock, All*

## 12:30 Lunch (on your own)

**Data DISCOVERY and ACCESS**

13:40 Introduction *Yonsook Enloe*

13:45 WGISS Connected Data Assets Status Report *Yonsook Enloe*

14:00 IDN Update *Michael Morahan*

14:15 CWIC Update *Yonsook Enloe*

14:30 FedEO Evolution *Andrea Della Vecchia*

14:45 NOAA NCEI *Rich Baldwin\**

15:15 IDN Front End Portal, Branding and User Metrics (WGISS-46-17, 19) *System Level Team, All*

## 15:30 Break – 10 min walk towards NOAA Campus – 1315 East West Highway

## 15:50 Group Photo

16:00 “Science on a Sphere” *NOAA*

## 17:00 Adjourn

## 17:00 Reception at NOAA GATEWAY – 1325 East West Highway

## 19:00 No-Host Dinner Event, McGinty’s Public House, 911 Ellsworth Dr., Silver Spring, MD

# Wednesday, May 1, 2019

## 09:00 Convene

09:00 CEOS Working Groups Reports and Progress on Cooperation with WGISS

09:00 WGCapD *Nancy Searby\**

**Data INTEROPERABILITY and USE**

09:20 Earth Observation Services Metadata Use Cases *Valerie Dixon*

 ISRO Use Cases *Nitant Dube\**

 NASA EOSDIS *Valerie Dixon*

09:50 Inventory of Software and Tools (Open Source) (FDA-10) *Iolanda Maggio*

10:10 Carbon Data Portal Prototype (CARB-15): status and way forward discussion *Liping Di*

10:30 White Paper on Single Sign-On (SSO) Authentication (DATA-14) *Damiano Guerrucci*

## 10:50 Break

11:00 Recovery Observatory *Richard Moreno*

11:20 GEO Knowledge Hub and WGISS Contribution – discussion *Chris Lynnes,* *All*

## 12:30 Lunch (on your own)

**Data PRESERVATION and STEWARDSHIP**

13:50 Solution for Long Term Preservation – Workshop outcomes *Daniele Iozzino\**

14:00 EO Ontologies *Iolanda Maggio*

14:10 NASA *Michael Morahan*

14:30 ESA *Andrea Della Vecchia*

14:50 CNES *Richard Moreno*

15:10 NOAA *Nancy Ritchey*

## 15:30 Break

15:50 WMO Stewardship Maturity Matrix for Climate Data (SMM-CD) *Ge Peng\**

16:10 WMO Expert Group Possible Collaboration *Ge Peng\**

16:30 RDA Possible Collaboration *Iolanda Maggio*

16:40 GEO DMP Proposal – Discussion *Iolanda Maggio*

16:50 PV2020 and Other Relevant Conferences *Iolanda Maggio*

## 17:00 Adjourn

# Thursday, May 2, 2019

## 09:00 Convene

09:00 CEOS Working Groups Reports and Progress on Cooperation with WGISS

 WGClimate *Joerg Schultz\**

 Sustainable Development Goals Ad-hoc Team (SDG AHT) *Marc Paganini\**

**TECHNOLOGY EXPLORATION**

09:20 **Data Services in the Cloud** *Chris Lynnes*

09:25 Advanced Geospatial Techniques: Aiding Earth Observation Applications *Nitant Dube\**

09:45 OGC Testbed 14 and 15 *Cristiano Lopes*

10:05 CNES Activities and Services in the Cloud *Pierre Lassalle*

10:25 EOSDIS Architecture for Data Services in the Cloud *Chris Lynnes*

## 10:45 Break

11:05 **Artificial Intelligence & Machine Learning** *Chris Lynnes*

11:10 Workshop on Leveraging AI in the Exploitation of Satellite *Sid Boukabara*

 EO and Numerical Weather Prediction

11:30 AI for EO and EO for AI *Sveinung Loekken\**

11:50 Machine Intelligence towards Tomorrow’s Earth Science Data Systems *Manil Maskey\**

12:10 A New Large-Scale Sentinel-2 Benchmark Archive to *Begum Demir\**

 Drive Deep Learning Studies in Remote Sensing

12:30 Multi-task Deep Learning from Sentinel-1 SAR: *Clement Dechesne\**

 Ship Detection, Classification and Length Estimation

12:50 CNES Initiatives on AI *Pierre Lassalle*

13:10 Discussion and Way Forward *Chris Lynnes*

## 13:20 Lunch (on your own)

**Agency/Liaison Reports**

14:20 CNES *Richard Moreno*

14:30 NASA *Andrew Mitchell*

14:40 HSO *Gabor Remetey-Fülöpp*

14:50 JAXA *Makoto Natsuisaka*

15:00 ISO TC211 *Liping Di*

## 15:10 Break

15:30 WGISS Summary *Mirko Albani*

15:50 Review of WGISS-46 Actions *Michelle Piepgrass*

16:00 WGISS-47 Actions *Michelle Piepgrass*

16:50 Concluding Remarks *Mirko Albani*

## 17:00 Adjourn