

AGENDA

GEO WORK PLAN SYMPOSIUM 2010

17-19 May 2010

St George's Hotel, 58 Old Pretoria,
Kempton Park Road, Rietvleidam
Pretoria, South Africa

Monday 17 May

08:30 1. Opening Event – GEO South Africa

08:30 Welcome & Opening Address – *Phil Mjwara, DG DST*

08:45 A 2010 GEOSS Overview – *Alexia Massacand, GEO Secretariat*

09:00 National Space Strategy and ARMC – *Sandile Malinga, Head South African Space Agency*

09:20 SAEOS Portal – *Wim Hugo, SAEON*

09:40 SARV Atlas – *Emma Archer, CSIR*

10:00 Discussion

10:30 Coffee Break

11:00 South Africa and Water – *Carey Rajah, DWA*

11:20 Rural Development/Agriculture – *Terry Newby, ARC*

11:40 Disasters Management – *Wiseman Mkhonza, NDMCC*

12:00 Council for Geo Sciences – *Luc Chevallier, CGS*

12:20 Discussion

12:30 Lunch

13:30 2. Work Plan Symposium – Why, How and What For?

Introduction

Objectives/Deliverables

- Work Plan Implementation
- 2011 Work Plan Update
- Beijing Ministerial Summit Exhibition
- 2012-2015 Work Plan

14:00 3. Towards Improved Coordination Across GEOSS Areas

For each area, taking each overarching Task in turn

Individual (sub)task Presentations

5-10 min; each addressing the Symposium Objectives

Follow-up Discussion to Improve Synergies and Cross-Fertilization

Focus on Work Plan Implementation and 2011 Work Plan Update

Chair: Alan Edwards, European Commission

ARCHITECTURE

14:00 AR-09-01: GEOSS Common Infrastructure (GCI)

- a: Deployment of a GEOSS Architecture – *Doug Nebert, USA & Siri-Jodha Kahlsa, IEEE*
- b: GEOSS Architecture Implementation Pilot – *George Percivall, OGC*
- c: GEOSS Best Practices Registry – *Siri-Jodha Kahlsa, IEEE*
- d: Ontology and Taxonomy Development – *Ryosuke Shibasaki, Japan*

14:45 AR-09-02: Interoperable Systems for GEOSS

- a: Virtual Constellations – *Ivan Petiteville, CEOS*
- b: WIS – *WMO*
- c: Sensor Web Enablement for In-Situ Observing Networks – *Terence van Zyl, South Africa*

15:10 AR-09-03: Advocating for Sustained Observing Systems

- d: Global Observing System (GOS) – *WMO*
- e: Global Geodetic Observing System (GGOS) – *Ludwig Combrinck, South Africa*

15:25 AR-09-04: Dissemination and Distribution Networks

- a: GEONETCast – *Linda Moodie, USA & Shunfang Wang, China*
- b: GEONET – *Mirko Albani, ESA & Mehmet Ulema, IEEE*

15:45 AR-06-11: Radio Frequency Protection – Alan Edwards, EC

15:50 Architecture Strategy – Ivan DeLoatch, USA

16:00 Coffee Break

DATA MANAGEMENT

16:30 DA-06-01: GEOSS Data Sharing Principles – Linda Moodie, USA & Alan Edwards, EC

16:55 DA-09-01: Data Management

- a: GEOSS Quality Assurance Strategy – *Gyanesh Chander, USA*
- b: Data, Metadata and Products Harmonisation – *Kenneth McDonald, USA*
- c: Long Term Preservation of Earth Observation Data – *Mirko Albani, ESA*

17:30 DA-09-02: Data Integration and Analysis

- a: Data Integration and Analysis Systems – *Toshio Koike, Japan*
- c: Global Geodetic Reference Frames – *Richard Wonnacott, South Africa*

17:40 DA-09-03: Global Data Sets

- c: Digital Geological Map Data – *Stuart Marsh, UK*
- d: Global DEM – *Ivan Petiteville, CEOS*

17:50 Data Management Strategy – Alessandro Annoni, EC

18:00 Day-Closing Presentation

“Eyes on Earth Summit” – Marc Sorensen, Abu Dhabi UAE

18:15 Adjourn

Tuesday 18 May**08:30 3. Towards Improved Coordination Across GEOSS Areas (cont')****Chair: Toshio Koike, Japan****WATER****08:30 WA-06-02: Droughts, Floods and Water Resource Management – Rick Lawford, Canada****08:45 WA-06-07: Capacity Building for Water Resource Management**a: Latin America – *Rick Lawford, Canada*b: Africa – *Toshio Koike, Japan and Ivan Petiteville, CEOS*c: Asia – *Toshio Koike, Japan***09:15 WA-08-01: Integrated Products for Water Resource Management and Research**a-d: Soil Moisture; Runoff; Groundwater; Precipitation – *Rick Lawford, Canada*e: Water Cycle Data Integration – *Toshio Koike, Japan*f: Improved Water Discovery and Quality Assessments – *Jay Pearlman, IEEE*g: Global Water Quality Monitoring – *Tiit Kutser, Estonia & Stewart Bernard, Canada***BIODIVERSITY****10:00 BI-07-01: Developing a Biodiversity Observation Network**a: Biodiversity Observation Network (GEO BON) – *Bob Scholes, South Africa*b: Invasive Species Monitoring System – *Brad Reed for Annie Simpson, USA***10:30 Coffee Break****CLIMATE****11:00 CL-09-01: Environmental Information for Risk Management and Adaptation**a: Enhanced Climate, Weather, Water & Environmental Prediction – *David Parsons, WMO*b: Climate Information for Decision-making and Adaptation – *Anna Kuhn, GCOS***11:20 CL-09-02: Accelerating the Implementation of the Global Climate Observing System**a: Key Observations for Climate – *Anna Kuhn, GCOS*b: Key Climate Data from Satellite Systems – *Ivan Petiteville, CEOS***11:40 CL-09-03: Global Carbon Observation and Analysis System**a: Integrated Global Carbon Observation (IGCO) – *Han Dolman, Netherlands*b: Forest Carbon Tracking – *Øystein Nesje, Norway*c: Global Monitoring of Greenhouse Gases from Space – *Ivan Petiteville, CEOS***HEALTH****12:15 HE-09-01: Information Systems for Health – George Jungbluth, USA****12:30 HE-09-02: Monitoring and Prediction Systems for Health**a: Aerosol Impacts: Research, Monitoring & Prediction – *David Parsons, WMO*b: Air Quality Observations, Forecasting and Public Information – *Gary Foley, USA*d: Global Monitoring of Atmospheric Mercury – *Florence Bérout, EC***13:00 Lunch**

14:00 3. Towards Improved Coordination Across GEOSS Areas (cont')**Chair: Stuart Minchin, Australia****HEALTH (cont')****14:00 HE-09-03: End to End Projects for Health**a: Implementation of a Meningitis Decision-Support Tool – *Tinni Seydou, ACMAD*b: Towards a Globally Coordinated Malaria Warning System – *George Jungbluth, USA*c: Ecosystems, Biodiversity & Health: Decision Tools & Research – *Gary Foley, USA***ENERGY****14:30 EN-07-01: Management of Energy Sources** – *Emile Elewaut, EC (EnerGEO)***14:40 EN-07-02: Energy Environmental Impact Monitoring** – *Emile Elewaut, EC (EnerGEO)***14:50 EN-07-03: Energy Policy Planning** – *Emile Elewaut, EC (EnerGEO)***WEATHER****15:00 WE-06-03: TIGGE and the Development of GIFS** – *David Parsons, WMO***15:15 WE-09-01: Capacity Building for High-Impact Weather Prediction** – *David Parsons, WMO***DISASTERS****15:30 DI-06-09: Use of Satellites for Risk Management** – *Ivan Petiteville, CEOS***15:40 DI-09-01: Geohazards Risk Assessment** – *Stuart Marsh, UK***15:50 DI-09-02: Multi-Risk Management** – *Stuart Marsh, UK & Ivan Petiteville, CEOS***16:00 DI-09-03: Warning Systems for Disasters** – *Hans-Peter Plag, IEEE***16:15 Coffee Break****AGRICULTURE****16:45 AG-06-02: Data Utilization in Fisheries and Aquaculture** – *Stewart Bernard, Canada***17:00 AG-07-03: Global Agricultural Monitoring** – *Jai Singh Parihar, India***ECOSYSTEMS****17:15 EC-09-01: Ecosystem Observation and Monitoring Network (GEO EcoNet)**c: Regional Networks for Ecosystems – *Stewart Bernard, Canada*e: Forest Mapping and Change Monitoring – *Brad Reed for Adam Gerrand, FAO***17:40 EC-09-02: Ecosystem Vulnerability to Global Change**c: Vulnerability of Sea Basins – *Jay Pearlman for Anthony Lehmanns, EC (Envirogrids)*d: Vulnerability of Mountain Regions – *Elisa Vuillermoz, Italy***18:00 Adjourn**

18:30 Buses leave St Georges Hotel

19:30 Symposium Dinner at Lesedi Cultural Village

Wednesday 19 May**08:30 3. Towards Improved Coordination Across GEOSS Areas (cont')****Chair: Rick Lawford, Canada****CAPACITY BUILDING****08:30 CB-09-01: Resource (or Seville Roadmap) Mobilization – Ana Casals, Spain****08:45 CB-09-02: Building Individual Capacity in EO**a: Cross Border Education and Training in EO – *Chris Mannaerts, Netherlands*d: CBERS/GEO Capacity Building Network – *Hilcea Ferreira, Brazil*g: GEONETCast Training – *George Jungbluth, USA***09:15 CB-09-03: Building Institutional Capacity to Use EO**a: Building National and Regional Capacity – *Norberto Fernandez, UNEP*b: Establishing Regional Capacity Building Networks – *Chris Mannaerts, Netherlands*d: Building Capacity for Operational Oceanography – *Alan Edwards, EC***09:40 CB-09-04: Capacity Building Needs and Gap Assessment**a: Identifying Best Practices, Gaps and Needs – *Chris Mannaerts, Netherlands*b: Capacity Building Performance Indicators – *Noureddine Filali, Morocco***10:00 CB-09-05: Infrastructure Development and Technology**a: Open Source Software – *Karine Ferreira, Brazil*b: CBERS – *Hilcea Ferreira, Brazil*c: SERVIR Expansion – *Tyra Brown, USA*d: Geo-resources Services for Africa – *Stuart Marsh, UK*e: Data Democracy – *Hilcea Ferreira, Brazil***10:45 Coffee Break****11:15 CB-10-01: Building Capacity through outreach and Awareness Raising**a: Earth Observation Game for Youth – *Jay Pearlman, IEEE*b-c: Capacity for Non-technical Decision-makers; User Workshops – *Françoise Pearlman, IEEE*d: Atlases of our Changing Environment – *Ashbindu Singh, UNEP***SCIENCE AND TECHNOLOGY****11:50 ST-09-01: Catalyzing R&D Funding for GEOSS – Florence Bérout, EC****12:10 ST-09-02: Promoting Awareness and Benefits of GEO – Hans-Peter Plag, IEEE****USER ENGAGEMENT****12:25 US-09-01: User Engagement**a: Identifying Synergies between Societal Benefit Areas – *Kathy Fontaine, USA*b: Communities of Practice and Partnership Development – *Gary Foley, USA***12:50 US-09-02: Socio-Economic Indicators**c: Global Road and Human Settlements Mapping on GEO Grid – *Hiroyuki Miyazaki, Japan***13:00 Lunch**

14:00 4. General Discussion

Chair: José Achache, GEO Secretariat

Beijing Ministerial Summit

14:00 Overview of Summit Preparation

14:10 Status of the 2010 Baseline Initiative – *Brad Reed*

14:20 Discussion around Exhibition and Outreach Publications

14:40 Towards the 2012-2015 Work Plan

Thoughts and Suggestions for the next Work Plan

GEOSS Implementation

2011 Work Plan Update

Summary of Session 3 Outcomes:

15:00 Architecture, Weather – *Koki Iwao*

15:10 Data Management, Climate, Agriculture – *Rob Koopman*

15:20 Water, Disasters, Science & Technology – *Doug Cripe*

15:30 Biodiversity, Ecosystems, User Engagement – *Brad Reed*

15:40 Health, Energy, Capacity Building – *Fernando Ramos*

15:50 Final Comments

16:00 5. Conclusions – Next Steps

Follow-up Actions

Schedule - 2011 Work Plan Update

6. Any Other Business

16:15 Adjourn

***** Reminder *****

*Invitation for
GEO Web Portal Usability Testing
When? Any time during the Week
Where? Exhibition Hall*
