

## Space Data Coordination Group Meeting (SDCG-8)

23<sup>rd</sup>-25<sup>th</sup> September 2015, DLR, Bonn, Germany

### *Meeting Objectives*

The SDCG-8 meeting is the first SDCG meeting since the adoption of the **group's 3-Year Work Plan**, and will be structured in accordance with the Plan structure and outcomes. The focus during the preparation, meeting, and follow-up will be on the achievement of the 2015 outcomes from the Work Plan. The meeting has been arranged to follow on from a two-day REDD+ workshop (Monday-Tuesday 21<sup>st</sup> – 22<sup>nd</sup>), co-hosted by DLR and the German Ministry for Economic Cooperation and Development (BMZ) with support from GIZ on the development of national MRV systems – with an emphasis on forest degradation issues, and there may be some cross participation between the workshop and SDCG-8. Of note, is the proposal to arrange a full day session with commercial EO data providers – as the first day of SDCG-8.

The following are the objectives for SDCG-8:

1. Host a **commercial EO data providers session** – with an exchange of views and information and exploration of the possible role of these providers in supporting GFOI objectives – in particular the elements 2 & 3 of the SDCG strategy, i.e. the Space Data Service (pilots) and the R&D Component.
2. Revisit the status of tasks and outcomes from the **SDCG Three-Year Work Plan** across the four main work threads: baseline observations, GFOI Space Data Services, R&D, and GFOI Component Coordination and Country Engagement.
3. Review the implementation and status of the **Global Baseline Strategy**, and assess required updates to reflect new data streams.
4. Initial report and discussion in relation to the **Global Data Flows Study**.
5. Review and progress the **pilot implementation of the Space Data Services**, including the SDMS and the Kenya Data Cube in support of SLEEK.
6. Revisit the situation with respect to **GFOI R&D**, and confirm SDCG plans to support via the Element 3 acquisition strategy.
7. Confirm progress towards **integration with the MGD**, including MGD 2.0 and the web portal.
8. Confirm status of interaction with **SilvaCarbon and FAO** on country interaction, and overall component coordination and support. Review the proposed coordinated component plans and outcomes for 2015-16 and confirm the SDCG role, and the plans for the related engagement of countries in particular.
9. Confirm **revisions to the SDCG Three-Year Work Plan** to address the transition to GFOI operations raised at SIT-30.
10. Prepare **required SDCG inputs for CEOS Plenary**, including around the renewal of SDCG's mandate.

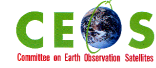
As time and attendance allows, host a **country requirements discussion**, drawing on participants from the co-located REDD+ workshop.

## **Week at a Glance**

- **Monday 21<sup>st</sup> and Tuesday 22<sup>nd</sup>:** BMZ-DLR International Conference on MRV of REDD. (Separate location, organisation and registration – queries to [Helmut.Staudenrausch@dlr.de](mailto:Helmut.Staudenrausch@dlr.de).)
- **Wednesday 23<sup>rd</sup>:** SDCG-8 GFOI Space Data Commercial Provider Day
- **Thursday 24<sup>th</sup> and Friday 25<sup>th</sup>:** SDCG-8 sessions



**Wednesday 23rd September**  
**Space Data Coordination Group for GFOI**  
**Commercial EO Data Providers Session**  
Location: DLR Bonn-Oberkassel  
Meeting Room 318 "Leonardo da Vinci"



Registration and Coffee 30 8:30 9:00

**Wednesday's Objectives:**

- Exchange of views and information between CEOS Space Data Coordination Group in support of GFOI and commercial EO data providers.
- Informing commercial data providers on the GFOI global baseline data strategy and related opportunities for commercial data providers.
- Engaging commercial data providers in contributing to GFOI key science questions (R&D Plan) and service demonstration and pilot activities.
- Exploration of a collaborative and open contribution framework with commercial data providers, aiming at providing data streams complementary to the CEOS portfolio to support GFOI SDCG strategy elements 2 & 3.

**Session 1: Introduction to GFOI and its EO Data Coordination Activities**

Session Chairs: Frank Martin Seifert, Gene Fosnight

#	Item	Presenter(s)	Duration	Start	End	Notes
1	Welcome from DLR	Helmut Staudenrausch	5	9:00	9:05	
2	Introductions, Objectives for Wednesday	Eugene (Gene) Fosnight	10	9:05	9:15	
3	Overview of GFOI	Frank Martin Seifert	30	9:15	9:45	
4	CEOS GFOI Space Data Strategy - Element 1 (Global Baseline Data Acquisition)	Stephen Ward	30	9:45	10:15	
5	Discussion and Initial Q&A	All	15	10:15	10:30	
Break			20	10:30	10:50	
6	Element 2 (Country specific Space Data Services) - Strategy, Data Requirements	Brian Killough	30	10:50	11:20	
7	Element 3 (Research & Development) - Strategy, Data Requirements	Ake Rosenqvist	30	11:20	11:50	

**Session 2: Commercial EO Data Provider Activities Relevant to GFOI**

Session Chair: Helmut Staudenrausch

#	Item	Presenter(s)	Duration	Start	End	Notes
8	Airbus Defence and Space Germany	TBA	20	11:50	12:10	
9	Airbus Defence and Space France	TBA	20	12:10	12:30	
Lunch			60	12:30	13:30	
10	BlackBridge	TBA	20	13:30	13:50	
11	GAF	TBA	20	13:50	14:10	
12	Discussion and Q&A	All	45	14:10	14:55	

**Session 3: Discussion on Support to the 3 Data Strategy Elements**

Session Chairs: Frank Martin Seifert, Gene Fosnight

#	Item	Presenter(s)	Duration	Start	End	Notes
13	Element 1 (Global Baseline Data Acquisition) - Discussion on potential contributions from commercial providers - Discussion and Q&A	Eugene (Gene) Fosnight, Frank Martin Seifert	30	14:55	15:25	
Break			20	15:25	15:45	
14	Element 2 (Country specific Space Data Services) - Discussion on potential contributions from commercial providers - Discussion and Q&A	Brian Killough	30	15:45	16:15	
15	Element 3 (Data Support to Research & Development) - Discussion on potential contributions from commercial providers - Discussion and Q&A	Ake Rosenqvist	30	16:15	16:45	
16	Wrap-up and Closing	Frank Martin Seifert, Gene Fosnight	15	16:45	17:00	

Adjourn 17:00



**Thursday 24th September**  
**Location: DLR Bonn-Oberkassel**  
**Meeting Room 318 "Leonardo da Vinci"**



Registration and Coffee		30	8:30	9:00		
<b>Thursday's Objective:</b>						
- Revisit the status of tasks and outcomes from the SDCG Three-Year Work Plan across three of the work threads: baseline observations, GFOI Space Data Services, and R&D						
<b>Session 4: SDCG-8 Opening Session</b>		Session Chairs: H Staudenrausch				
#	Item	Presenter(s)	Duration	Start	End	Notes
17	SDCG-8 Meeting Introduction and Objectives - Agenda overview	E Fosnight, FM Seifert	15	9:00	9:15	
18	Review of SDCG-3 Year Work Plan - 2015 Outcomes - Brief status overview - Review of SDCG-7 Actions and Status	G Dyke	15	9:15	9:30	
19	Follow-up Discussion from Commercial Providers Day - Outcomes and impressions - Next steps	All	30	9:30	10:00	
<b>Session 5: Baseline Global Observation Scenario</b>		Session Chairs: E Fosnight, FM Seifert				
<b>Session 5 Objective:</b>						
- Review the implementation and status of the Global Baseline Strategy, and assess required updates to reflect new data streams.						
#	Item	Presenter(s)	Duration	Start	End	Notes
20	Session Overview - Status Overview of 3-Year Work Plan Tasks and Outcomes - Brief Landsat status update	E Fosnight	15	10:00	10:15	
21	Sentinel-1 and Sentinel-2 Update since SDCG-7	FM Seifert	20	10:15	10:35	
22	Discussion	All	15	10:35	10:50	
	Break		15	10:50	11:05	
<b>Session 6: Global Data Flows Study</b>		Session Chairs: E Fosnight				
<b>Session 6 Objective:</b>						
- Initial report and discussion in relation to the Global Data Flows Study.						
#	Item	Presenter(s)	Duration	Start	End	Notes
23	Status of Global Data Flows Study	E Fosnight, FM Seifert	10	11:05	11:15	
24	Discussion on Substance of Global Data Flows Study - Standard Products - Etc.	All	75	11:15	12:30	
25	Next Steps Towards Conclusion of Study	All	30	12:30	13:00	
	Lunch		60	13:00	14:00	
<b>Session 7: GFOI Space Data Services</b>		Session Chairs: B Killough, S Ward, G Dyke				
<b>Session 7 Objective:</b>						
- Review and progress the pilot implementation of the Space Data Services, including the SDMS and the Kenya Data Cube in support of SLEEK.						
#	Item	Presenter(s)	Duration	Start	End	Notes
26	Session Overview - Status Overview of 3-Year Work Plan Tasks and Outcomes	B Killough	10	14:00	14:10	
27	Pilot implementation of the Space Data Services - SDMS and the Kenya Data Cube in support of SLEEK - Links to Global Data Flows	B Killough	60	14:10	15:10	
28	Discussion	All	15	15:10	15:25	
	Break		15	15:25	15:40	
<b>Session 8: Support to GFOI R&amp;D</b>		Session Chairs: A Rosenqvist				
<b>Session 8 Objective:</b>						
- Revisit the situation with respect to GFOI R&D, and confirm SDCG plans to support via the Element 3 acquisition strategy.						
#	Item	Presenter(s)	Duration	Start	End	Notes
29	Session Overview - Status Overview of 3-Year Work Plan Tasks and Outcomes - Overall status of GFOI R&D Coordination and Resources - Interaction with GOF-C-GOLD	A Rosenqvist	15	15:40	15:55	
30	Agency Update since SDCG-7 - Summary of written input from agencies (DLR, CSA, ASI, JAXA, CNES) - TerraSAR	A Rosenqvist	20	15:55	16:15	
31	Discussion - Synchronized/coordinated AO's from SDCG Element 3 agencies - SDCG Level of Support for GFOI R&D - Next Steps	All	60	16:15	17:15	
<b>Session 9: Day 1 Closing</b>		Session Chairs: S Ward, G Dyke				
#	Item	Presenter(s)	Duration	Start	End	Notes
32	Summary of Main Discussion Points and Closing Remarks	E Fosnight, FM Seifert	15	17:15	17:30	
	Adjourn			17:30		

**Social: Tour and Dinner**

18:00: Departure of train to Cologne Central Station (website says 18:14, 39 minutes duration)

19:00: Meeting with guide, start of guided tour

20:30: End of guided tour, start of dinner



## Friday 25th September



*Location: DLR Bonn-Oberkassel*

*Meeting Room 318 "Leonardo da Vinci"*

Registration and Coffee

30 8:30 9:00

### Friday's Objective:

- Revisit the status of tasks and outcomes from the SDCG Three-Year Work Plan for GFOI Component Coordination and Country Engagement, discuss SDCG business, and agree actions

### Session 10: GFOI Component Coordination and Country Engagement Session Chairs: S Ward, G Dyke

#### Session 10 Objective:

- Confirm progress towards integration with the MGD, including MGD 2.0 and the web portal.  
 - Confirm status of interaction with SilvaCarbon and FAO on country interaction, and overall component coordination and support. Review the proposed coordinated component plans and outcomes for 2015-16 and confirm the SDCG role, and the plans for the related engagement of countries in particular.

#	Item	Presenter(s)	Duration	Start	End	Notes
33	Introduction and Day 3 Objectives - Agenda Overview	E Fosnight, FM Seifert	10	9:00	9:10	
34	Status of SDCG 3-Year Work Plan Component - GFOI Office Status - Quick Status on Other GFOI Components	S Ward	15	9:10	9:25	
35	Progress Towards MGD 2.0 - Development to date and review process - Integration of space data - Schedule and required SDCG inputs - Next steps towards integration	S Ward and G Dyke on behalf of C Green	30	9:25	9:55	
36	Country Engagement - Interaction with Capacity Building - SEPAL update - Future Meetings	I Jonckheere (TBC)	30	9:55	10:25	
	Break		15	10:25	10:40	

### Session 11: SDCG Business and SDCG-8 Wrap-Up Discussions

Session Chair: S Ward

#### Session 11 Objective:

- Confirm revisions to the SDCG Three-Year Work Plan to address the transition to GFOI operations raised at SIT-30.  
 - Prepare required SDCG inputs for CEOS Plenary, including around the renewal of SDCG's mandate.

#	Item	Presenter(s)	Duration	Start	End	Notes
37	Update to SDCG 3-Year Work Plan - Action from SIT-30 to clarify transition to operations for Plenary - Plan to update for 2016-2019	S Ward, G Dyke	20	10:40	11:00	
38	SDCG Reporting to CEOS Plenary - Renewal of SDCG mandate - Space Data Lead for GFOI	S. Ward	15	11:00	11:15	
39	2016 GFOI Open Forum - To be held at ESA ESRIN on 22-26 Feb 2016 - SDCG-9 - SDCG-10 venue and timing proposal	SDCG EXEC	15	11:15	11:30	
40	Review of Actions	G. Dyke	20	11:30	11:50	
41	Closing Remarks	E Fosnight, FM Seifert	10	11:50	12:00	
	SDCG-8 Adjourn			12:00		
	Lunch		90	12:00	13:30	

### SDCG Exec meeting

42	SDCG EXEC Meeting	SDCG EXEC & SEC	90	13:30	15:00	
	SDCG EXEC Adjourn			15:00		

## SDCG 3-Year Work Plan Outcomes for 2015

### Baseline Global Data Acquisitions

#	Outcome	2015
1	<b>Multiple annual global coverages by 2016 of the world's forested areas</b>	<b>Building to a total of 67 countries in line with the Global Baseline Data Acquisition Strategy</b> Engage Sentinel-2A mission planners during the ramp-up phase
2	<b>Efficient and effective global flows of data</b>	Complete global data flow study in cooperation with USGS, ESA/EC and SDCG Exec
3	<b>Global coverage with consistent information products</b>	Identify Space Agency and expert partner information product initiatives relevant to GFOI and MDG (e.g. ongoing evolution of the Landsat product roadmap towards surface reflectance, development of Sentinel-2 surface reflectance products)

### GFOI Space Data Services

#	Outcome	2015
4	<b>Space Data Services closely integrated with new MGD and SilvaCarbon activities</b>	Definition of approach with FAO, World Bank, and SilvaCarbon on tools and service delivery and mainstreaming Establish integration of Space Data Services with new interactive MGD
5	<b>A program of space data capacity building meetings</b>	Further workshops at SDCG and SilvaCarbon events with country prioritisation defined by agreement with SilvaCarbon, FAO, and World Bank and endorsed by the GFOI Lead Team
6	<b>Ensured on-going coverage</b>	Archive characterisation support and on-going coverage support provided for countries attending 2015 meetings
7	<b>Interoperable satellite data discovery tools</b>	Work with core data stream providers to define discovery tools required, and study archive interoperability challenges
8	<b>Assembly &amp; delivery of core data streams</b>	Work with priority countries to try and address their data assembly and delivery needs
9	<b>Integration of space data within the GFOI Methods and Guidance</b>	SDCG-7 discussion on interaction between MGD v2.0 and the SDCG tools and services
10	<b>Conclude pilots investigating fundamental issues around the provision of cloud computing</b>	Study strategic issues related to cloud computing-based MRV support Closer collaboration between SDCG and FAO on SDMS Consideration of potential of GFW 2.0 and Data Cube approaches

#	Outcome	2015
11	<b>Creation of a model national GFOI cloud computing search, storage and processing system</b>	Kenya national Data Cube project accelerated for COP-21 Initiate within the ESA Forestry TEP a demonstration of a sub-national system for Mexico

### Research & Development

#	Outcome	2015
12	<b>Completion of the Element-3 strategy document</b>	Finalise the Element 3 acquisition strategy in support of the GFOI R&D Plan. Penultimate draft by SDCG-7. Endorsement of final document at SIT-30
13	<b>Providing the satellite data required to progress the GFOI priority R&amp;D topics</b>	Dedicated satellite data acquisitions over R&D Study Sites Distribution of data to the GFOI R&D Study teams
14	<b>Implement an effective private sector engagement &amp; SDCG mechanism for brokering space data requests in support of national forest monitoring</b>	Development of a private sector cooperation strategy, especially in the area of GFOI Space Data Services, validation and Space Data for R&D activities Development of an SDCG mechanism for brokering space data requests in support of national forest monitoring Commercial data provider information workshop / session in conjunction with SDCG-8

### GFOI Component Coordination and Country Engagement

#	Outcome	2015
15	<b>Delivery of a coherent customer experience for GFOI countries</b>	Coordinated plan for providing the most efficient provision of GFOI deliverables to countries – developed by the Space Data, MGD and Capacity Building Component Leads
16	<b>Space data support and services provided to all priority countries</b>	FAO and SilvaCarbon will help define the priority countries for GFOI support and deliverables
17	<b>Effective management of country interfaces</b>	Development of simple Excel-based database for internal SDCG purposes Establish <i>modus operandi</i> in collaboration with FAO and GFOI Lead Team for country engagement