**SDCG-1 Action Item Summary**

*Final V1.0 – SDCG-1 Updated Status*

| **No.** | **Action** | **Due date** |
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| SDCG-1-1 | Yves Crevier to correct the errors in the SDCG-1 list of participants, and resend.  | COMPLETE |
| SDCG-1-2 | George Dyke to rationalise the SDCG email list with the SDCG-1 mailing list.  | COMPLETE |
| SDCG-1-3 | SDCG Co-Chairs to investigate the possibility of including information on SDCG activities in the next CEOS report to SBSTA.  | COMPLETE.ESA will have a booth at COP-18, and can display information on GFOI. GFOI considering an example dataset for SBSTA in Bonn May 2013. |
| SDCG-1-4 | George Dyke, with inputs from Giovanni Rum on the task list, to revise the current in the Management Plan.  | COMPLETE |
| SDCG-1-5 | Helmut Staudenrausch to share submission details for TerraSAR-X/TanDEM-X science proposals.  | COMPLETE

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| For TerraSAR-X: Primary entry point is the TerraSAR-X Science Service System: [http://sss.terrasar-x.dlr.de](http://sss.terrasar-x.dlr.de/). All science proposal submission details included in <http://sss.terrasar-x.dlr.de/pdfs/how_to_submit_a_tsx_proposal.pdf>. Please note, that for GEO-FCT related proposals, the usual COFUR costs are waived. For TanDEM-X: Primary entry point is the TanDEM-X Science Service System: <https://tandemx-science.dlr.de/>.  All science proposal submission details included in <https://tandemx-science.dlr.de/pdfs/TD-GS-UM-0115-TanDEM-X-Science-Service-System-Manual_V1.0.pdf>.  Please note, that note that currently only Co-registered Single Look Complex (CoSSC) data according to the [COFUR price list](https://tandemx-science.dlr.de/pdfs/cofur_list_tdx_20110331.pdf) will be delivered. No DEM data will be provided. The DEM products of the mission will be made available at a later date, for which a special AO will be launched in the future. |  |

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| SDCG-1-6 | SDCG participants to investigate opportunities for research support to the FCT/GFOI R&D plan within their agencies which could be made available.  | COMPLETE.Deforestation, ALOS, DLR, and other research opportunities circulated. |
| SDCG-1-7 | Ake Rosenqvist to share and coordinate opportunities for CEOS agencies to support the FCT/GFOI R&D plan with the FCT PD team members.  | COMPLETE.Draft R&D plan for GFOI has been circulated. |
| SDCG-1-8 | Yves Crevier to advise on which RADARSAT-2 datasets can be made available in the short term to the FCT PD teams in order to assess the applicability of the new RADARSAT-2 mode (5m 90km WMF, will be XF after release in June 2012) for forest assessment.  | CLOSEDYves waiting for the call for proposal on degradation before we get into the details. Awaiting responses for call for proposals. |
| SDCG-1-9 | Ake Rosenqvist, with input from Frank Martin Seifert, to draft a “one page” summary of a Horizon 2 forest degradation product research and development task. This will involve the application of high resolution SAR (C, L and X), and high resolution optical over FCT National Demonstrator country Verification Sites. This draft should be communicated to the FCT PD teams.  | COMPLETEAke circulated 17th August. |
| SDCG-1-10 | Frank Martin Seifert to circulate the draft 2012 FCT acquisition plan (i.e. Level 3 acquisitions) for comment by the SDCG.  | By 13 April 2012.Current assumption is that 2011 acquisition plan remains in place, in so much as current mission capacity allows given diminished capacity. |
| SDCG-1-11 | Julio Dalge to advise on how responsive/quickly CBERS-3 is expected to be to acquisition mode transitions.  | By 13 April 2012. |
| SDCG-1-12 | Helmut Staudenrausch to advise on duty cycle constraints that apply for TerraSAR-X.  | COMPLETETerraSAR-X: duty cycle 18 %; typical actual scenario 160 sec; Stripmap/ScanSAR +220 sec Spotlight with option (according to current orders) to do 600 sec Data Takes.EnMAP: 1.000 km swath length per orbit and a total of 5.000 km per day (with swath width=30km).RapidEye: ~ 4 M km2 per day. |
| SDCG-1-13 | Frank Martin Seifert to provide FCT ND shape files to Helmut Staudenrausch to enable a search of the TerraSAR-X and RapidEye archives.  | COMPLETE |
| SDCG-1-14 | Helmut Staudenrausch to advise when the procedure is defined to obtain RapidEye data for scientific purposes for FCT.  | COMPLETEAs of today, there is no procedure in place yet. DLR still negotiates some remaining details. It is envisaged to have a procedure and related access tools in place from August 1, 2012. |
| SDCG-1-15 | Helmut Staudenrausch to advise on what is data is in the TerraSAR-X and RapidEye archives covering FCT NDs, and also clarify the future acquisition plans for these missions over the FCT NDs.  | COMPLETE

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| For TerraSAR-X:-          The content of the TerraSAR-X data archive can be easily analysed with the DLR EOWEB-NG tool: <https://centaurus.caf.dlr.de:8443/eoweb-ng/index2.html>.  For your convenience and to give you an example of the relevant content, query results for the FCT validation sites (all available Level 1b data, from 2008-01-01 – 2012-04-03) have been produced and can be found in the attached Zip File.-          GEO-FCT National Demonstrator Validation Sites are and will in future be covered systematically in StripMap Mode, dual polarized (HH/HV and VV/VH), as background mission. This scheme may be adapted to a certain extent, as required by GEO-FCT/GFOI.For RapidEye:-          The content of the RapidEye data archive can be easily analysed with the discovery tool “EyeFind”: [http://eyefind.rapideye.net](http://eyefind.rapideye.net/).  For your convenience, and to give an example of the relevant content, query result views for the FCT validation sites (all available Level 1b data, < 20 % cloud cover, from 2008-01-01 – 2012-04-03) have been produced and stored in EyeFind. They can be accessed using the links provided in the attached table. Please note that those tables are held for 30 days and will be deleted afterwards.-          RapidEye management states that GEO-FCT National Demonstrators and  their Validation Sites are and will in future be covered within RapidEye’s global acquisition strategy.  |

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| SDCG-1-16 | Aurélie Sand to advise on nominal repeat cycle for Pleiades.  | COMPLETE26 days. |
| SDCG-1-17 | Aurélie Sand to provide the name of the point of contact at CNES for Veµus test sites and research submissions (expected to be announced in 2013).  | COMPLETEContact is Selma Cherchali (selma.cherchali@cnes.fr). |
| SDCG-1-18 | John Faundeen to revise/clean-up updated mission table, and circulate it for comments from the SDCG.  | COMPLETE |
| SDCG-1-19 | John Faundeen to request any additional agency inputs to the mission information table, representing missions-instruments that were not collected at SDCG-1.  | COMPLETE |
| SDCG-1-20 | Per Erik to raise the question of ASI and ISRO participation in SDCG activities.  | COMPLETEASI participation in SDCG not secured to date. |
| SDCG-1-21 | Yves Crevier to do an initial segmentation of the missions table based on key missions for 2012 and 2013 and circulate it to the Co-Chairs for comment.  | COMPLETE |
| SDCG-1-22 | George Dyke to provide CEOS SEO with some initial content for the SDCG page within the CEOS website.  | COMPLETE |
| SDCG-1-23 | CEOS SEO to setup an SDCG website within the current CEOS website.  | COMPLETE |
| SDCG-1-24 | Frank Martin Seifert to circulate a draft text definition of “global forest areas of interest” (based on the draft of Section 2 of the Level 1 acquisitions strategy) for feedback.  | COMPLETEDraft text circulated week of 3rd September. |
| SDCG-1-25 | Relevant agencies of the new missions to specify how PIs can acquire data. This applies to LDCM, Sentinel-1, CBERS-3, RCM.  | COMPLETE.Agencies are expected to provide these inputs through the CEOS baseline strategy. |
| SDCG-1-26 | John Faundeen to advise the SDCG group on the behaviour of WELD in terms of tolerance for including pixels relative to the target date requested.  | COMPLETEAdjacent pixels in a weekly  WELD product can be no more than 7  days apart, for a monthly product they can be no more than a month apart, and no more than a season and a year apart for the seasonal and annual products. |
| SDCG-1-27 | John Faundeen to investigate the possibility of outside sources (i.e. Google) to provide compute assistance with the assembly of a global pixel-based Landsat dataset (i.e. WELD) for GFOI.  | COMPLETEDavid Roy from South Dakota State University (SDSU) has developed a couple of years of global WELD datasets using Landsat 7 as a proof of concept. He will be pursuing funding to complete a full-blown global capability in the upcoming NASA MeASUREs competition. USGS EROS will likely be a partner in that effort. User response to WELD has been tremendous and there is significant interest in an operational global WELD capability that integrates data from all Landsats.MeASUREs granting process October/November timeframe, and if successful will hopefully lead to global availability. |
| SDCG-1-28 | John Faundeen to investigate whether the WELD team has considered applying their algorithm to data stacks from other missions.  | COMPLETEIn the near-term, USGS is not investigating additional satellite sources for WELD processing. |
| SDCG-1-29 | Julio Dalge to investigate the implementation of the WELD algorithms with CBERS data with his team at INPE, and in cooperation with USGS starting with some selected CBERS-2B data.  | CLOSEDFuture progress subject to the development and release of further WELD udpates. |
| SDCG-1-30 | Brian Killough to advise on the information required to add row-path, and mission-instrument FOV information for the SDCG core missions to the COVE tool.  | COMPLETE**Path-row** data is only relevant to optical missions.  COVE currently includes this data for all Landsat and CBERS missions.  There was some discussion at SDCG about adding Path-Row data for SPOT (not currently on the Core list below), but we could not find adequate information on their scheme and would need a good contact from the SPOT mission team to implement this in COVE.  In the case of Sentinel-2, this mission has not been launched and is only notional in COVE at this time.**Field-of-View (FOV)** information is available for all COVE missions when using the Rapid Acquisition Tool within COVE.  This tool requires the user to select a region of interest before computing acquisitions.  The output tables in this tool display the min/max viewing incidence angles and the min/max viewing azimuth angles.  We will investigate adding this data to the main COVE tool within the pop-up window for the coverage path. |
| SDCG-1-31 | CEOS SEO to post the ND shape files to the SDCG website.  | By 16 March 2012.Brian has the shape files and regions in COVE, and will demonstrate tomorrow. Can put in a downloadable place if they want to use them. ACTION to add to the SDCG page. |
| SDCG-1-32 | SDCG Co-Chairs to consider participation of hybrid CEOS member public-private partner data providers in the SDCG-2 meeting, and propose a way forward. This should be done with an awareness of the state of maturity of the CEOS Level 1 Data Strategy. Transparency for the commercial data providers is essential.  | COMPLETEThe delegations of CEOS member agencies participating in SDCG meetings may include public-private partners if they are a part of that CEOS member agency’s support to SDCG. |
| SDCG-1-33 | Line Steinbakk to provide updates to the 2012 FCT acquisitions plan (i.e. Level 3) on contributions from the commercial providers.  | COMPLETELine has been in contact with the commercial providers and they have received the updated list of validation sites. Their response has been provided to Ake an updates are included in the latest version of the Geo FCT document #4. This is an ongoing process and Line will continue to follow up those who have not responded. |
| SDCG-1-34 | John Faundeen to report back to the SDCG on the discussions on GEO-GLAM at the SIT-27 meeting, and share any available information on the nature potential requests for SDCG support to this initiative.  | COMPLETEDiscussed during 4th April telecon |
| SDCG-1-35 | LSI to be invited to present an update on its discussions for further coordination between the LSI and SDCG.  | COMPLETEJohn to provide a brief update on LSI at SDCG-2. |
| SDCG-1-36 | Ake to share a presentation on SAR Vision work being done by Dirk Hoekman’s group regarding the detection of active deforestation areas.  | COMPLETEThe presentation can be downloaded from <http://tinyurl.com/854rorb>SarVision estimate: Total costs for the tropical belt are estimated at 84,000 euro. Thisincludes 20,000 euro hardware for additional storage and speeding up the processing. If we can solve the data download issue, the project duration could be 3-4 months.Ake - development and discussion is on going. Allows for focusing of observations on active deforestation areas. |
| SDCG-1-37 | Frank Martin Seifert to check the possibility of ESA supporting SAR Vision to do global deforestation hotspot identification using MERIS.  | COMPLETEAnalysis is possible using MERIS data, but ESA funding is not currently possible. |
| SDCG-1-38 | SDCG SEC to coordinate the next SDCG telecon following SIT-27. A regular standing telecon time should be considered.  | COMPLETE |
| SDCG-1-39 | SDCG Co-Chairs to produce the first draft of the CEOS Level 1 Data Strategy document based on writing assignments agreed in the draft Table of Contents.  | COMPLETEDraft circulated for discussion at SDCG-2. To be finalised by CEOS Plenary. |