CDSSG Coordinator update

Debbie Clifford

March 1, 2016

http://www.bis.gov.uk/ukspaceagency
### Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Notes</th>
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<tbody>
<tr>
<td>10.0</td>
<td>Welcome, review of minutes</td>
<td>Chair (Beth Greenaway, UKSA)</td>
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#### Morning session – Where have we got to?

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>10.15</td>
<td>Coordinator update</td>
<td>Debbie Clifford, IEA</td>
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<tr>
<td>10.30</td>
<td>Updates on 2015/16 work plan</td>
<td>Various</td>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Lunch and further demos</th>
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#### Afternoon session – Where do we go next?

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>1.0</td>
<td>Round table</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td>• Updates and info sharing</td>
<td></td>
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<tr>
<td></td>
<td>• Key achievements of CDSSG so far</td>
<td></td>
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<tr>
<td>2.0</td>
<td>Proposed evolution of CDSSG for 2016 and beyond</td>
<td>Beth Greenaway</td>
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<th>Time</th>
<th>Close</th>
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Notices

➢ Copernicus expert reviewers
  – It is really important we get a UK voice on the EU CO2 task force and others that will emerge over the coming year.

➢ C3S user consultation workshop in Brussels on 11 March

➢ GCOS virtual conference
  – Web streaming will occur for all sessions of the GCOS Science conference and the participants will have the opportunity to view a live web broadcast via http://www.gcos-science.org/livestream/

➢ CEOS/CGMS WG-Climate 7-9 March
  – Caroline Poulsen (RAL) will attend on behalf of the UK
UK CCI meeting

- UK scientists involved in climate datasets from space gathered on 1st February 2016 with the objectives of:
  1. Capturing the science successes and impacts of the current CCI programme, with invited speakers from CCI thematic areas to summarise UK involvement.
  2. Providing a platform for publicising UK expertise for future climate data from space activities.
  3. Identifying activities needed to take forward current CCI datasets, whether through CCI+ or C3S, and the gaps, with presentations from CDSSG, the UK Space Agency and time for table discussions and feedback.

- A full meeting report is available
CCI meeting: notes on data supply chain

- **Interface to operational sea ice data**

- **Opportunities for UK investment:**
  - To undertake software support, hardware and processing updates, plus research and development to improve the products to maintain data quality, plus the need for automation of data services.
  - Support to pilot NRT systems and “delayed mode” systems – currently being operated and supported on a “best efforts” basis
  - Provision of easier access to CCI data, e.g. distribution of data outside the CCI programme, translating the data via the web for non-expert users, addition of extra API layers on top of the data making the information easier to extract.

- **Suggestion:** perform a study to look at the full pathways of use of the CCI data.
Design for operational CDR production

Innovators

Value-adding services

Trial service interface

Climate Services Customers

Improved NRT data production

Demonstration open-source application

Core research

System Evolution & Maintenance

Major knowledge flows (know-how)

Major data flows (simplified seamless supply chain)

CSEO entity

UK capability from relevant projects: FP7 CCI FIDUCEO MetEOC NCEO NC
Updates on work plan 2015/16

- Mapping the seamless supply chain (Zof Stott, Assimila Ltd)
- Near real-time data for operational services (Barry Latter, RAL Space)
- Overview and context for operational processing at JASMIN/CEMS (Debbie Clifford, IEA)
- Costing for implementing system design (Alex Hayward, IEA)
- Demonstration application for exploring climate data from space (Ben Calton, PML Applications)