Climate Change Initiative Collocation 4
Where are we in the programme?

Phase 1

Phase 2

ITT

MTR

collocations

1 2 3 4
Objectives

• **Assess progress on ECVs**
  - *what improvements have we made?* (ref. GCOS)
  - *science impacts?*
  - *what did we not achieve? why?*

• **Take stock of uncertainties**
  - *what have we learned?*

• **Take account of IPCC AR5**
  - *key science questions CCI can address?*

• **Orient work of 14 CCI teams over next 3-4 years**
  - *individual and collective objectives*
  - *cooperate with related projects*

• **Communicate**
  - *at all levels…*
  - *promote ECV products access & exploitation*
  - *make case for CCI continuity in future*
### Day 1 : Tuesday 4 February, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30 – 09:00</td>
<td>Registration</td>
</tr>
<tr>
<td>09:00 – 09:15</td>
<td>Introduction and Objectives from ESA</td>
</tr>
<tr>
<td>09:15 – 09:30</td>
<td>- Introduction and Objectives from ESA</td>
</tr>
<tr>
<td>09:30 – 10:00</td>
<td>- GCOS Status and Plans</td>
</tr>
<tr>
<td></td>
<td>Carolin Richter (GCOS)</td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>10:00 – 11:00</td>
<td><strong>AR5 Keynotes</strong> (Chair S. Briggs)</td>
</tr>
</tbody>
</table>
|              | - Observations: Atmosphere & Surface  
|              |     *Albert Klein-Tank (KNMI)*   |
|              | - Clouds and Aerosol           
|              |     *Olivier Boucher (IPSL)*   |
| 11:00 – 11:30| Coffee                         |
| 11:30 – 13:00| **AR5 Key Notes** (follows)  |
|              | - Observations: Cryosphere     
|              |     *David Vaughan (BAS)*     |
|              | - Sea Level Change             
|              |     *Annie Cazenave (LEGOS)*   |
|              | - Carbon and other biochemical cycles 
<p>|              |     <em>Philippe Peylin (LSCE)</em>   |
| 13:00 – 13:45| Discussion (Leader S. Briggs) |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:45 – 14:30</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td>14:30 – 16:00</td>
<td>Big Hall</td>
<td>CCI Phase 1 Results</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Climate Research Perspective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 – Atmosphere and Surface</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Aerosol <em>S. Kinne</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- SST <em>N. Rayner</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Cloud <em>C. Stubenrauch</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Ozone <em>M. Van Roozendael</em></td>
</tr>
<tr>
<td>16:10 – 16:30</td>
<td>Coffee</td>
<td></td>
</tr>
<tr>
<td>16:30 – 18:10</td>
<td>Big Hall</td>
<td>Discussion, Drafting and Recommendations for CCI Phase 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chair: <em>S. Kinne</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rapporteur: <em>C. Donlon</em></td>
</tr>
<tr>
<td>14:30 – 16:00</td>
<td>Magellan</td>
<td>CCI Phase 1 Results</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Climate Research Perspective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 – Cryosphere and Sea Level</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Glacier <em>F. Paul</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Ice Sheet <em>A. Shepherd</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Sea Ice <em>L. Pedersen</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Sea Level <em>M. Ablain</em></td>
</tr>
<tr>
<td>16:10 – 16:30</td>
<td>Magellan</td>
<td></td>
</tr>
<tr>
<td>16:30 – 18:10</td>
<td>Magellan</td>
<td>Discussion, Drafting and Recommendations for CCI Phase 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chair: <em>R. Forsberg</em></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rapporteur: <em>J. Benveniste</em></td>
</tr>
<tr>
<td>Time</td>
<td>Activity</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>09:00 – 11:15</td>
<td>Presentation by CCI Projects Future Plans</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- CMUG Overall feedback &amp; Evolution R. Saunders</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Sea Level Phase 2 Objectives G. Larnicol</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Ice Sheet Phase 1 Status and plans R. Forsberg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Glaciers Phase 2 Objectives F. Paul</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Sea-Ice Phase 1 Status and plans S. Sandven</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- SST Phase 2 Objectives C. Merchant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Ocean Colour Phase 2 Objectives S. Sathyendranath</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15 minutes presentations of 7 projects plus 30 minutes discussion</td>
<td></td>
</tr>
<tr>
<td>11:15 – 11:30</td>
<td>Coffee</td>
<td></td>
</tr>
<tr>
<td>11:30 – 13:45</td>
<td>- Land Cover Phase 2 Objectives P. Defourny</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Fire Phase 1 Status and plans E. Chuvieco</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- GHG Phase 2 Objectives M. Buchwitz</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Soil Moisture Phase 1 Status and plans W. Wagner</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Cloud Phase 2 Objectives R. Holmann</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Aerosol Phase 2 Objectives T. Holzer-Popp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Ozone Phase 2 Objectives M. Van Roozendael</td>
<td></td>
</tr>
<tr>
<td></td>
<td>15 minutes presentations of 7 projects plus 30 minutes discussion</td>
<td></td>
</tr>
<tr>
<td>13:45 – 14:30</td>
<td>Lunch</td>
<td></td>
</tr>
</tbody>
</table>
# Day 2: pm

**Phase 1 results => AR5 themes**

## Related Initiatives

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Agenda</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:45 – 14:30</td>
<td>Lunch</td>
<td>CCI Phase 1 Results&lt;br&gt;Climate Research Perspective&lt;br&gt;3 – Carbon &amp; other biochemical Cycles&lt;br&gt;- GHG M. Buchwitz&lt;br&gt;- Soil Moisture H. Mittelbach&lt;br&gt;- Fire C. Yue&lt;br&gt;- Land Cover P. Peylin&lt;br&gt;- CEOS Carbon Strategy&lt;br&gt;Chair: A. Loew&lt;br&gt;Rapporteur: S. Plummer</td>
</tr>
<tr>
<td>14:30 – 16:10</td>
<td>Magellan</td>
<td>20 minutes presentations</td>
</tr>
<tr>
<td>16:10 – 16:30</td>
<td>Coffee</td>
<td></td>
</tr>
<tr>
<td>16:30 – 18:10</td>
<td>Big Hall</td>
<td>Discussion, Drafting and Recommendations for CCI Phase 2&lt;br&gt;CCI Data Access V. Bennett&lt;br&gt;- CCI Tool Box C. Brockmann&lt;br&gt;- Maturity Index T. Holzer-Popp&lt;br&gt;- ECV Inventory S. Ward&lt;br&gt;- Opportunities for ECV exploitation in STSE D. Fernandez-Prieto&lt;br&gt;20 minutes presentations&lt;br&gt;Chair: R. Saunders&lt;br&gt;Rapporteur: M.C. Greening</td>
</tr>
</tbody>
</table>
### Day 3: Thursday 6 February, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 – 11:00</td>
<td><strong>Science Leaders Meeting</strong> (Closed)</td>
<td><strong>CCI and Related Initiatives 3</strong>&lt;br&gt;- ERS &amp; ENVISAT performance update&lt;br&gt;  B. Bojkov&lt;br&gt;- ESA Data Service Initiative – Long Term Data Preservation update&lt;br&gt;  M. Douzal&lt;br&gt;- Sentinels Mission Update&lt;br&gt;  P. Potin&lt;br&gt;- Joint Programme Initiative Status and Plan&lt;br&gt;  P. P. Mathieu&lt;br&gt;- CEOS WG Climate Status and Plans&lt;br&gt;  P. Lecomte&lt;br&gt;- CCI Visualisation&lt;br&gt;  P. Eales&lt;br&gt;- Climate Data Visualisation&lt;br&gt;  M. Grant&lt;br&gt;  15 minutes presentations&lt;br&gt;  15 minutes discussion&lt;br&gt;Chair: P. P. Mathieu&lt;br&gt;Rapporteur: M. Engdahl</td>
</tr>
<tr>
<td>11:00 – 11:30</td>
<td>Coffee</td>
<td></td>
</tr>
</tbody>
</table>
## Day 3: am

### Plenary

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 – 11:30</td>
<td>Coffee</td>
</tr>
<tr>
<td>11:30 – 13:00</td>
<td>Plenary - Session Debriefs</td>
</tr>
<tr>
<td></td>
<td>- Key message from the Science Leaders C. Merchant</td>
</tr>
<tr>
<td></td>
<td>- Atmosphere and Surface S. Kinne</td>
</tr>
<tr>
<td></td>
<td>- Cryosphere and Sea Level R. Forsberg</td>
</tr>
<tr>
<td></td>
<td>- Carbon &amp; other biochemical Cycles A. Loew</td>
</tr>
<tr>
<td></td>
<td>- Related Initiatives 1 B. Zu</td>
</tr>
<tr>
<td></td>
<td>- Related Initiatives 2 R. Saunders</td>
</tr>
<tr>
<td></td>
<td>- Related Initiatives 3 P.P. Mathieu</td>
</tr>
<tr>
<td></td>
<td>30 minutes each including discussion</td>
</tr>
<tr>
<td></td>
<td>Plenary - CCI Phase 2</td>
</tr>
<tr>
<td></td>
<td>- Phase 2 Implementation and beyond M. Doherty / P. Lecomte</td>
</tr>
<tr>
<td></td>
<td>- CCI Communication – Campaign 2014 M. Doherty / P. Lecomte</td>
</tr>
<tr>
<td>13:30 – 13:45</td>
<td>Collocation wrap-up (All)</td>
</tr>
<tr>
<td>13:45 – 14:30</td>
<td>Lunch</td>
</tr>
</tbody>
</table>
Day 3: am

team meetings...
Communication during collocation

• IPCC & GCOS Keynote videos x 6
  - CCI web site
  - ESA web portal

• “Earth from Space” episodes x 2
  - Earth Observation and the IPCC
  - The Global Climate Observing System

• ESA Web Portal Stories x 2
  - ‘A temperature plateau?’
  - ‘Sea level rise: adding up the parts’

• Talking Heads x 14
  - You!
  - CCI web site
  - CoPs
Social Events

• **Ice-breaker cocktail**
  - *Tuesday 18:45hrs canteen*
  - *Local oil and wine tasting*

• **No host dinner**
  - *Wednesday 2000hrs*
  - *Restaurant, Frascati*
  - *Fixed menu*
  - *30 euros per person (food & wine)*
  - *Walking distance from hotels*
  - *Tickets on sale during coffee breaks*
  - *map and menu*
have fun...