

# CCI 9<sup>th</sup> Co-location Meeting

## 25 – 28 March 2019

### St. Hugh's College, Oxford

#### Monday 25<sup>th</sup> March Preparatory meetings (for Science Leaders and ESA TO's only)

13:30 – 14:00	Registration & Coffee (MTB Hall)	
14:00 – 15:30	Science Leaders Meeting (Part 1) Seminar Room	CCI Technical Officers Meeting (Part 1) MTB Hall
15.30 - 16.00	Tea & biscuits	
16:00 – 17.30	Science Leaders Meeting (Part 2) Seminar Room	CCI Technical Officers Meeting (Part 2) MTB Hall

#### Science Leaders Meeting Agenda

The format and content are entirely for the Science Leaders to decide

The only requests from the Programme are:

- A summary of the SL meeting to be presented in session 1 of the colocation
- Lists of ideas for discussion in session 4 (CCI and IPCC) and session 5 (cross-ECV) of the colocation meeting

#### CCI Technical Officers Meeting Agenda

The meeting will review:

- successes of the CCI, things that have worked well, or not
- opportunities to improve cooperation and exploit more synergies
- how the Programme should evolve in a way that maximises the return for the Agency investments and responds to IPCC/GCOS/COP instances
- potential future activities beyond CCI

Tuesday 26 <sup>th</sup> March Co-location Meeting Day 1		
08:30 – 09:30	Registration, placement of posters and coffee	MTB Hall
<b>09:30 – 10:30</b>	<b>Session 1: CCI Programme</b> <b>Chair: Pascal Lecomte – Plenary, MTB Hall</b>	
15 min	Opening of the meeting and introduction: <i>Maurice Borgeaud, Head of Science, Applications and Climate Department, ESA</i>	
45 min	CCI Programme Status & Plans: <i>Pascal Lecomte, Head of ESA Climate Office</i> <ul style="list-style-type: none"> <li>• Programme Status</li> <li>• Planning and upcoming activities (LPS2019 in brief: more details on Thursday)</li> <li>• Coordination with C3S (in brief: more details on Thursday)</li> <li>• GCOS Climate Indicators</li> <li>• Objectives of 2019 Co-location</li> <li>• Review of the Agenda</li> </ul>	
10:30 - 11:00	Coffee & biscuits	
<b>11:00 –12:30</b>	<b>Session 1 - continued</b>	
30 min	The Dos and Don'ts of ESA-P for proper financial management of ESA contracts: <i>Massimo Canese, Head of Project Control &amp; Management Support Office, ESA</i>	
30 min	Knowledge Exchange Activities: <i>Paul Fisher, Ed Pechorro, Stephen Plummer, ESA Climate Office</i>	
20 min	Issues arising from the Science Leaders' Meeting: <i>Science Leaders' representatives</i>	
10 min	Art for Climate: the ESA Climate Office Visiting Artist introduce themselves and their work which will be on display at LPS2019, <i>Shane Sutton, Climate Office Visiting Artist</i>	
12.30 – 13:30	<b>Lunch</b>	
13:30 – 17:30	<b>ESA-P Support Kiosk</b> , <i>Massimo Canese, Head of Project Control &amp; Management Support Office, ESA</i> Massimo will be available to Projects for a one-to-one discussion of any issues with the ESA-P system	
<b>13:30 – 15:15</b>	<b>Session 2: Theme (ii) ECV Projects</b> <b>Chair: Anna Maria Trofaier – Plenary, MTB Hall</b>	
105 min	<b>(10+5) min presentation per Theme (ii) ECV project</b> <ul style="list-style-type: none"> <li>• Aerosol</li> <li>• Cloud</li> <li>• Greenhouse Gases (CO<sub>2</sub> &amp; CH<sub>4</sub>)</li> <li>• Ozone</li> <li>• Land Cover</li> <li>• Fire</li> <li>• Soil Moisture</li> </ul>	
15.15 - 15:45	Tea & biscuits	

15:45 – 17:30	<p align="center"><b>Session 2 (cont.): Theme (ii) ECV Projects</b>  <b>Chair: Paolo Cipollini – Plenary, MTB Hall</b></p> <p><b>(10+5) min presentation per Theme (ii) ECV project</b></p> <ul style="list-style-type: none"> <li>• SST</li> <li>• Sea Level</li> <li>• Ocean Colour</li> <li>• Sea Ice</li> <li>• Ice Sheets - Greenland</li> <li>• Ice Sheets - Antarctica</li> <li>• Glaciers</li> </ul>
17:30 - 19:00	<p align="center"><b>Poster Session &amp; Refreshments</b>  <b>Posters from Theme (i) ECV projects (9 ECVs), CMUG, Toolbox &amp; App demos</b>  <i>(posters remain up for the remainder of the meeting)</i></p>

## Wednesday 27<sup>st</sup> March Co-location Meeting Day 2

09:00 – 10:30	<p align="center"><b>Session 3: AI for CCI</b>  <b>Chair: Ed Pechorro – Plenary, MTB Hall</b></p>
5 min	Introduction. <i>Ed Pechorro</i>
20 min	AI in ESA $\phi$ -lab (Keynote). <i>Sveinung Loekken, <math>\phi</math>-lab, ESA/ESRIN</i>
20 min	AI & Climate - Applying State-of-the-Art AI for Good. <i>Simon Jackman, Frontier Development Lab (FDL) and University of Oxford</i>
15 min	AI in Fire CCI. <i>Emilio Chuvieco, University of Alcala</i>
20 min	AI in Ocean Colour CCI. <i>Carsten Brockmann, Brockmann Consult</i>
10 min	AI from Formula One and Financial Services to Climate Change - A Call for Support in Identifying a CCI Data Use Case. <i>Gary Connolly, Kx and Stefano Ferretti, ESA/ESRIN</i>
10:30 – 11:00	Coffee & biscuits
11:00 – 12:30	<p align="center"><b>Session 4: GCOS and CCI impacts on IPCC</b>  <b>Chair: Simon Pinnock – Plenary, MTB Hall</b></p>
90 min	<p>GCOS Update, <i>Stephen Briggs, GCOS Chair</i></p> <p>IPCC AR6 and Special Reports:</p> <ul style="list-style-type: none"> <li>• Report structure, process and schedule: <i>Richard Jones, UK Met Office</i></li> </ul> <p>Open Discussion:</p> <ul style="list-style-type: none"> <li>• Starting from points identified by Science Leaders on Monday</li> <li>• Identify specific opportunities per project for maximising CCI impact on IPCC Reports</li> </ul>
12.30 – 13:30	<b>Lunch</b>
13:30 – 15:00	<p align="center"><b>Session 5: Cross-ECV Activities and Future Opportunities</b>  <b>Chair: Stephen Plummer – Plenary, MTB Hall</b></p>

90 min	<ul style="list-style-type: none"> <li>The CCI Programme and Support to the Global Stocktake, <i>Simon Pinnock</i></li> <li>Contributions from CCI to Earth System Cycles/Budgets, <i>Stephen Plummer</i> <ul style="list-style-type: none"> <li>RECCAP / Carbon Cycle, <i>Ana Bastos, Ludwig Maximilian University of Munich</i></li> <li>Sea Level Budget Closure / Water Cycle, <i>Martin Horwath, TU Dresden</i></li> <li>Ocean Heat Content / Energy Cycle, <i>Benoit Meyssignac, LEGOS/CNES</i></li> </ul> </li> <li>Possibilities for Cooperation and consistency between ECV existing and new projects? e.g. common ancillary data sets, FCDRs, pre-processing steps, <i>Victoria Bennett, Centre for Environmental Data Analysis/STFC</i></li> </ul> <p>Sign-up for 4 groups on Carbon, Water and Energy/Radiation and on Data Engineering (DEWG) (Lead and rapporteurs)</p>			
15.00 - 15:30	Tea & biscuits			
15:30 – 17:30 120 mins	<b>Session 6a: Data Engineering Working Group (DEWG)</b> <b>Chair: Ed Pechorro – Seminar Room</b>	<b>Session 6b: Carbon Cycle</b> <b>Chair: Stephen Plummer</b>	<b>Session 6c: Water Cycle</b> <b>Chair: Anna Maria Trofaier</b>	<b>Session 6d: Energy/Radiation Budget</b> <b>Chair: Michael Eisinger</b>
18:00 - 21.00	Dinner in St Hugh's			

### Thursday 28<sup>nd</sup> March Co-location Meeting Day 3

09.00 – 10.30 40 min	<p style="text-align: center;"><b>Session 7: Wrap-up</b> <b>Chair: Pascal Lecomte – Plenary, MTB Hall</b></p> <p><b>Breakout Reports:</b></p> <ul style="list-style-type: none"> <li>DEWG</li> <li>Carbon Cycle</li> <li>Water Cycle</li> <li>Radiation/Energy Budget</li> </ul>
15 min	LPS 19 – Climate Office Activities and CCI contributions, <i>Paul Fisher &amp; Paolo Cipollini</i>
15 min	Discussion of CCI Conference idea – proposed by Science Leaders at last meeting.
10.30 – 11.00	Coffee
11:00 – 12:30 30 min	<p style="text-align: center;"><b>Session 7 (cont.): Wrap-up</b> <b>Chair: Pascal Lecomte – Plenary, MTB Hall</b></p> <p>C3S Update and ERA-5 presentation: <i>Jean-Noël Thépaut, Head of C3S</i></p>
30 min	Discussion: synergy between CCI and C3S <i>How to handle overlapping documents, how to handle data sets on Portal vs CDS, Acknowledgements, etc. Bring draft proposal to colocation for discussion/approval.</i>
30 min	Wrap up and Conclusions: <i>Pascal Lecomte</i>
12:30	End of meeting