Climate Science Working Group session

Wednesday 6th and Thursday 7th November 2019

CCI-CMUG Integration Meeting, 6-7th November, Met Office, Exeter, UK

# Wednesday 6th, Programme

*Chairs: Kate Salmon, Paul Van Der Linden
Rapporteurs: Both of the above + extras*

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| **1630** | Introduction (PVDL),  |
| **1635-1720** | Thomas Popp to present on ECV consistency |
| **1720-1735** | Philip Ewels to present on ‘Planetary Visions’, including discussion |
| **1735-1745** | Ask people to put stickers on their name badges according to which system their ECVs fit into. Then Icebreaker exercise (Team Bingo) |
| **1745-1800** | ECV interactions exercise (or save until the following morning) |

# 1735-1745 Team Bingo Exercise/Icebreaker (10 mins)

1. Get People to assign themselves stickersbased on which part of the climate system their ECV relates to

2. For each statement in the Bingo Sheet, find a person in the room who this applies to and write their name in the box. Each person can fill in a maximum of two boxes on each row/ column of your sheet, and no more than three boxes on the entire sheet. The first goal is to get Bingo: a completed row or column. When you do, yell “BINGO!” Then, try to fill in the entire card for a Full House.

3. the person with the most number of squares filled out will win a CMUG cup/sweeties.

# 1745-1800 ECV Interactions Exercise (15 mins)

## AIM: to identify the overlap between ECVs and encourage scientists to group themselves across relevant ECVs in order to work together to share ideas and troubleshoot.

1. Get people to assign themselves stickers (on name badges) based on which part of the climate system their ECV relates to i.e. Green square = Land, Blue triangle = Ocean, Red triangle = atmosphere, Yellow diamond = cryosphere. If they identify with more than one system, then they can choose more than one sticker.
2. Post-it notes; yellow= cryosphere, red= atmosphere, blue = oceans, green = land. Select a post-it note based on which part of the system your ECV is contributing to.

On the post-it note, **write which ECV you represent** and write a response to;

***‘How does your ECV contribute to the fundamental understanding of the climate system?’ E.g. ENSO interactions***

***‘Which aspects of the climate system does your ECV contribute to?’ (stick on the climate schematic to identify)***

1. Stick post-it notes to the climate systematic poster and see where the groups of ECVs naturally cluster.

# Thursday 7th November, 0900-1100

*Chairs: Kate Salmon, Paul Van Der Linden
Rapporteurs: Both of the above + extras*

## AIM: To get the scientists (who have grouped themselves from the previous day), to discuss the scientific links between the ECVs and CMUG as defined the previous day. Aim to produce a tangible outcome as to how the groups interact and how to establish and prolong that connection; i.e. a list of ways as to how communication could be facilitated in the project management stage.

# 0900-0910 Brief Introduction to Exercise (Kate/PVDL)

# 0910-1010 Discussion session

1. Organise the room so people are sat in (roughly) 4 groups based on the previous day’s grouping exercise. For each group there will be a rapporteur: **4 volunteers?**
2. Within each group, discuss the following questions:

# 0910-0940

***Discussion Question 1. ‘Identify how your different ECVs overlap’***

* ***‘ how could you collaborate with other (including the new) ECVs?’ e.g. through use of other observational datasets and new data such as CMIP-6?***
* ***‘Are you facing similar technical issues in your ECV to others?’ (see note below for this).***

**OPTIONAL: Trouble shooting exercise**

Troubleshooting could be a plenary group activity; select a post-it note colour corresponding to a part of the Earth’s system that your ECV technical issue corresponds to. Write the name of your ECV on top of the post-it. Answer the question ‘what technical issues do you face in your ECV?’.

Stick to a white board and natural groupings will occur where ECVs overlap.

**Outcome:** groups of ECVs which share similar technical problems

# 0940-1010

***Discussion Question 2. ‘Is there currently enough interactions between your ECV and other related ECVs? (based on the groupings)’***

***Discussion Question 3. ‘How could the interaction between your ECV and others related to it, be improved e.g. what tools could help communication and collaboration?’***

# Extra time discussion questions

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# 1010-1040

Rapporteurs feedback with slides from each group

# 1040-1100

Plenary discussion based on points from rapporteurs.

Agreement on ways forward with main issues identified.