

Science speed dating questions



- 1. How to guarantee consistency between ECVs?**
- 2. Should there be ground based data sets to validate ECVs?**
- 3. What should happen after Phase 2?**
- 4. What should CMUG do with ECV data?**
- 5. How to fill satellite gaps, e.g. ENVISAT?**
- 6. What is the best data access for all users?**

How to guarantee consistency between ECVs ?



- **Use the same L1 data, auxiliary data, grids, masks, etc.**
- **Consistency of masks at multiple resolution**
- **Common auxiliary data**
- **Common standard for metadata and product evaluation**
- **Consistency must not hide uncertainty**
- **Use reanalysis as a tool to potentially identify inconsistencies**

Should there be ground based data sets to validate ECVs ?



- **Yes, it already is used!**
- **Issues of scale of measurements and accuracy**
- **How to get this data / who will fund?**
- **Different in situ data for different ECVs**
- **Time series of in situ data should match that of satellite data**
- **Colocation of in situ observing sites for similar ECVs (eg fire, LC, aerosol, SM)**

What should happen after Phase 2 ?



- **Updating, reprocessing and re-evaluation**
- **Continue ECV production (extend time series)**
- **New missions**
- **New ECVs ?**
- **Operational / automated systems**
- **All of the above for better climate research**

What should CMUG do with ECV Data?



- **Global (integrated) assessment of CCI Products**
- **Demonstrate value of CCI programme to broader community (along with CRG)**
- **Use CCI products to challenge models to perform better**
- **Reinforce complementarity between CMUG and CRG**
- **Contribute to Climate Assessment and Environmental Assessment**
- **Encourage CCI teams to provide data in most accessible form**

How to fill satellite gaps (e.g. Envisat)?



- **Communicate importance of mission continuity (inter-agency collaboration, coordination)**
- **Use other missions (esp if there is overlap)**
- **Explore use of in situ data or models, if appropriate, to fill gaps (a poor solution)**
- **No true solution to missing data: problem worse for longer gaps**
- **Overlap between missions crucial.**

What is the best data access for all users



- **Existing online access points, but also other portals**
- **Tools to serve multiple data users**
- **Common interface(s)**
- **The cloud**
- **Online processing tools (CCI User Tool box, visualisation)**
- **Online support (help, catalogues, commentary)**