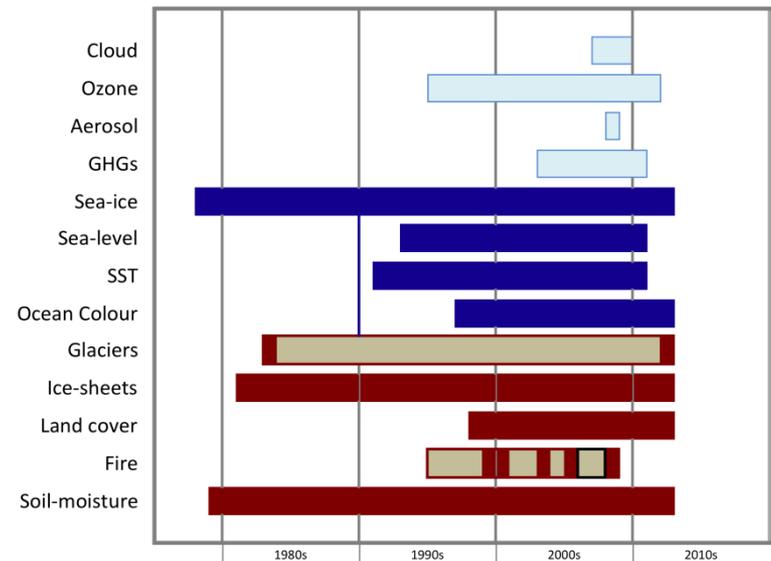
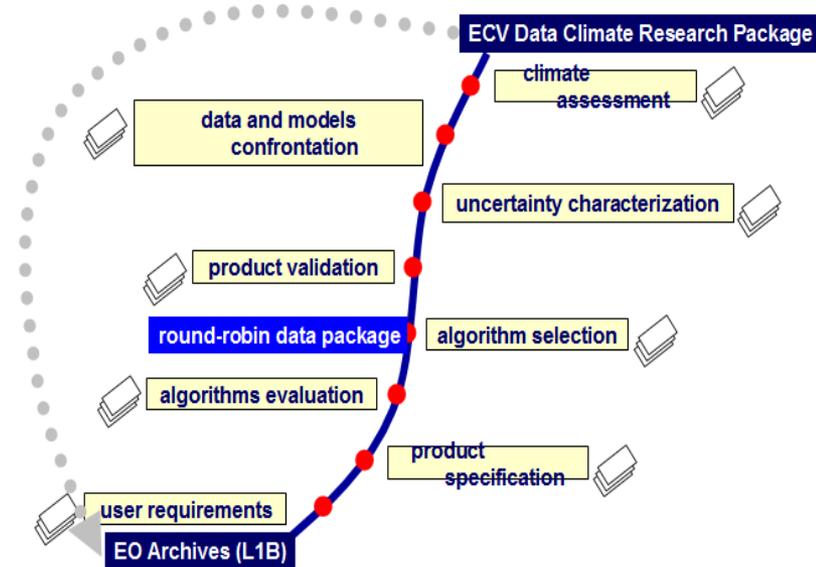


## Science discussion – PRCC

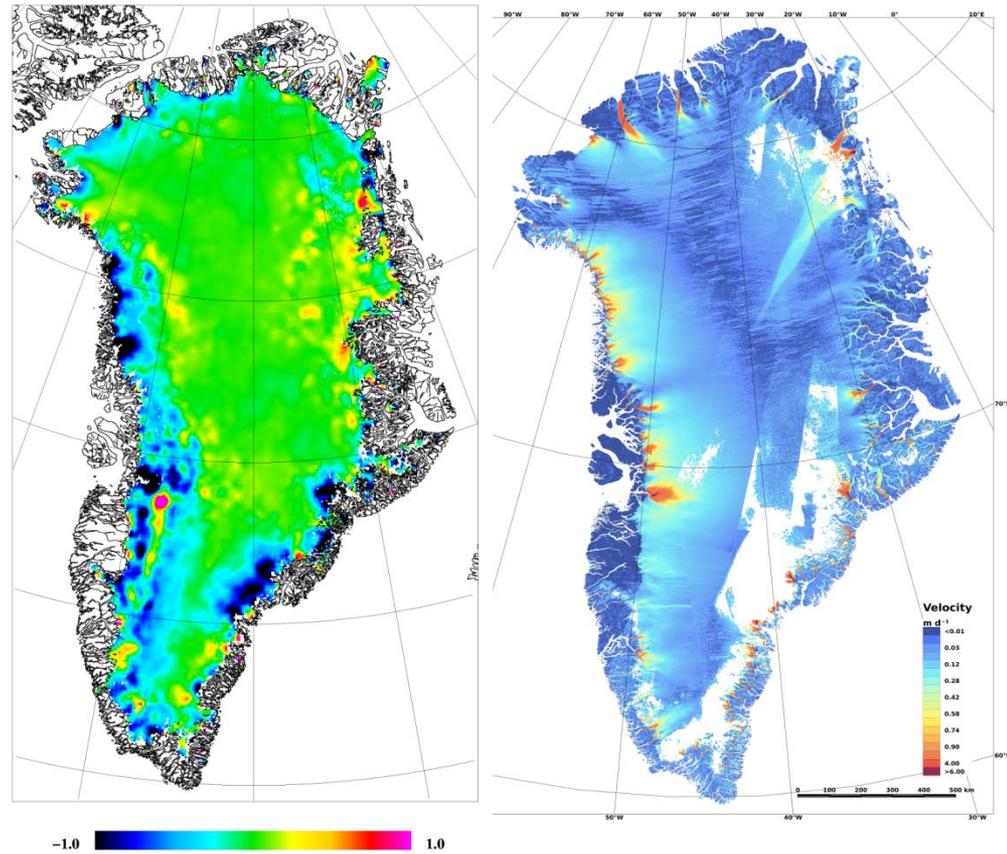
- Research PRCC-relevant products abundant, but scattered across data agencies and PI's. Research products important element of PRCC ...  
*example: ESA Climate Change Initiative 2012-18*
- PRCC to focus on a number of well-defined ECVs from GCOS inventory .. one purpose to "rescue" existing data
- Policy for open data important. DOI's important means for scientists for recognition and, ease submission to data archives
- Arctic Council task force on scientific cooperation can facilitate cooperation



ESA CCI project data 2012-18

## Science discussion – PRCC (2)

- Science can contribute to model improvement in PRCC . e.g. *permafrost, icebergs ..*
- PRCC services should not do long-term modelling, but ECV's could to a large degree be based on modelling assimilating observations
- Additional focus point for PRCC: extreme events...
- Seamless products – pan-Arctic
- Important near-term task: "Arctic Report Card"-like activity



*Greenland ECV product examples (ESA Greenland CCI):  
Left: Elevation changes from CryoSat  
Right: Ice velocities from Sentinel-1 (ENVEO)*