"What is operational? What still requires R&D?"

Inputs from SL_cci

G. Larnicol (CLS) and the SL_cci team
Depends on the definition!
System in place to produce consistent long term time series of SL ECV products (FCDR, CDR, Indicators)
- One full reprocessing every 3 years + yearly extension (using same version)
- Focused on ocean climate scale (mesoscale aspects not addressed and not part of the SL_cci products)

Additional contributions from other projects (SALP/CNES, Myocean/EU)

Clear and efficient processes implemented thanks to SL_cci projects

Sustainable system and products BUT User Requirements not reached
- Limitations with radiometry aspects (stability)
- Limitations in specific areas (high latitudes, coastal)
- Still limitations in old missions (Topex, Jason 1, ERS, ENVISAT,…)
- Limitations in error characterisation

Ready to extend the period on a regular basis & Room for improvement still remains
Issues to be discussed

Topic 1- Overall governance of the EO climate activities:
Q1: How to continue to ensure the close link with EO teams and Climate users (modelling group)?

Q2: Role and coordination of space agencies for reprocessing activities (L1/L2) for old missions?

Topic 2- Round Robin exercice:
Q3: who will take over this activity?

6h CCI colocation meeting – ESA/Frascati – 28 sept- 1 Oct 2015
Round Robin Exercise

User requirements → Algorithms Development → Algorithms Evaluation & Selection → Production & Dissemination → ECV Assessment

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The evaluation of sea-level calculation performances needs to evaluate a lot of algorithms/corrections

- Precise Orbit Determination
- Altimetry System: Altimeter, Radiometer
- Atmospheric fields (pressure, wind, wet troposphere)
- Geodetic fields and processes (Geoid, MSS, GIA, ..)
- Oceanic processes (Tides, Sea state, ..)

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Developers

R&D ?
CCI+ (ESA) ?
+ others initiatives ?

Producers

Operational ?
C3S (ECWMF) ?
+ others initiatives ?

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