



Besoin de quantification de l'incertitude à partir de **peu** de matchups

Démarche : Caractérisation vs matchups puis extension par méthodes déterministes ou géostatistiques

Besoins: surveillance directe ; fusion multi-capteurs ; assimilation ; analyse de tendances mono/multi-capteurs

Working group on uncertainties

Lot of progress done in the scientific communities thanks to :

- **User's requirements -> Agency requirements (e.g. S3/OLCI)**
- **Assimilation needs**

Characterisation of the error of final products through three classes of techniques:

- Analytical uncertainties (propagation + assesement of some components)
- Gradient based methods (propagation)
- Stochastic (propagation)

All of them require **uncertainties characterisation** at one stage or the others... need discusion with agencies on where the most efficient effort has to be spent

Feedback on working group processing :

Long period of preparation...

Need for a better meetings scheduling

Working group on data fusion

More focused on coastal application (mutual gain (e.g. spatial, spectral) expected from each sensor specificities to the merged products)

One mid-term progress review to be organised with Agency

Time frame

1 year

Outputs

Report with:

1. State of the art (identification of national/international skills) of techniques
2. Identification of requirements for such products (both scientific, technologic and « societal » needs)
3. Recommendation to agencies for R&D works