

Theme 5

Defining a Research Programme

Current state

- WP not started yet
- Currently not due to have a workshop
 - Do we need one?

Some ideas

- Constellations will give us information on finer scales in both space and time
- We need methods to exploit these data (of varying quality)
- Different problems from previous altimeter missions

Waves

- Look at local/regional wave climate
 - North Sea
- More impact on models
 - How fast does the impact of assimilation decay

Sea level

- Examine mesoscale events
 - Currently we have statistics
 - Look at individual eddies
- Greater impact in assimilation
 - Decay of information
- NOT fine enough for coastal applications
 - But can be combined with models

Ice and land

- Better definition of the ice edge
 - Comparison with SSM/I
- Soil moisture in arid regions
 - An alternative to passive microwave?