Ole Baltazar
Andersen
DTU Space, Denmark
Lars Stenseng, DTU Space
Per Knudsen, DTU Space
Oral
The DTU13MSS is the latest release of the global high resolution mean sea surface from DTU Space.
Two major advances have been made in order to release the new mean sea surface.
The time series have been extended to 20 years from 17 years for the DTU10MSS creating a multi-decadal mean sea surface for the first time.
Secondly, the DTU13MSS ingest Cryosat-2 SAR Lead data in order to map the high latitude parts of the Arctic Ocean.
In the high latitude regions a combination of joint ERS-1&ERS-2/ENVISAT and Cryosat-2 altimetry have been used. Also the Jason-1 geodetic mission has been used for the DTU13MSS. The new geodetic mission of C2 and J1 present fantastic new source of altimetric data which can be used to replace the older ERS-1 and GEOSAT geodetic mission for the mean sea surface as the new data have far better range precision.

OSTS session
The Geoid, Mean Sea Surfaces and Mean Dynamic Topography
Meeting name
Ocean Surface Topography Science Team (OSTST) Meeting
Download to PDF