

| Day 1 - Monday 23 September 2013 | |
|-------------------------------------|---|
| 09:00 - 09:30 | Registration |
| 09:30 - 10:00 | Opening <i>UCC</i> |
| | Course Intro & Organisation <i>P. Regner</i> |
| 10:00 - 10:45 | Oceanography from Space <i>P. Cipollini</i> |
| 10:45 - 11:15 Coffee Break | |
| 11:15 - 12:00 | Oceanography from Space <i>P. Cipollini</i> |
| 12:00 - 12:45 | ESA EO missions and their exploitation for science & applications <i>ESA</i> |
| 12:45 - 14:00 Lunch | |
| 14:00 - 14:45 | The SMOS mission <i>N. Reul</i> |
| 14:45 - 15:30 | Ocean salinity with SMOS <i>N. Reul</i> |
| 15:30 - 16:00 Coffee Break | |
| 16:00 - 18:00 | BEAM practical exercises <i>C. Brockmann</i> |
| 18:00 - 19:00 Ice Breaker | |

| Day 2 - Tuesday 24 September 2013 | | Day 3 - Wednesday 25 September 2013 | | Day 4 - Thursday 26 September 2013 | | Day 5 - Friday 27 September 2013 | |
|--------------------------------------|--|--|---|---|--|--|--|
| 09:00 - 09:45 | Principles of Radar Altimetry <i>P. Cipollini</i> | SAR Instrument principles & processing <i>J. Johannessen</i> | Basics of Ocean Colour remote sensing <i>S. Sathyendranath</i> | | Measuring sea surface temperature (SST) from space <i>C. Merchant</i> | | |
| 09:45 - 10:30 | Altimeter data processing <i>P. Cipollini</i> | | Primary production from ocean colour <i>T. Platt</i> | | Operational systems for SST <i>C. Merchant</i> | | |
| 10:30 - 11:00 Coffee Break | | Coffee Break | | Coffee Break | | Coffee Break | |
| 11:00 - 13:00 | BRAT basics: an example of SSH computation from along-track altimetric data <i>F. Mertz</i> | SAR Processing and analysis tools <i>F. Collard</i> | | Practical exercises with MERIS data using BEAM <i>C. Brockmann</i> | | Synergy between SST, ocean colour and altimetry - practical exercise with Bilko <i>V. Byfield</i> | |
| 13:00 - 14:15 Lunch | | Lunch | | Lunch | | Lunch | |
| 14:15 - 15:00 | Altimetry and Oceanography <i>P. Cipollini</i> | SAR image interpretation and detection capabilities <i>J. Johannessen</i> | | Ocean colour for climate change studies <i>S. Sathyendranath</i> | | Observing and modelling SST variability on a range of scales <i>C. Merchant</i> | |
| 15:00 - 15:45 | Application of Altimetry <i>P. Cipollini</i> | SAR Applications <i>J. Johannessen</i> | | Ecological indicators from ocean colour <i>T. Platt</i> | | Synergy between SST, ocean colour and altimetry - practical exercise with Bilko <i>V. Byfield</i> | |
| 15:45 - 16:15 Coffee Break | | Coffee Break | | Coffee Break | | Coffee Break | |
| 16:15 - 18:00 | BRAT mapping and statistical functions (high-level gridded altimetric data) <i>F. Mertz</i> | SAR processing and analysis tools (cont.) <i>F. Collard</i> | | Practical exercises with BEAM <i>C. Brockmann</i> | | Closing Session | |