

## SCOOP (S34Sci SAR Altimetry Coastal Zone and Open Ocean Study)- Science Review

Date: 26-27 January 2016.

Location: National Oceanography Centre, Southampton (www.noc.ac.uk)

### Objectives

- Review Task 1: Scientific Review and Requirements Consolidation
- Agree specifications for L1BS and L2 processing and test data sets.
- Review and discuss plans in Phase 1 Validation and Processing Scheme Developments
- Identify and critical dependencies and major risks

### **Agenda – Day 1 (26 Jan)**

		Open
1	13:30	Welcome, adoption of the agenda (SatOC / NOC / ESA)
2	13:45	SCOOP - Project Status (SatOC)
3	14:00	<b>WP1000 Scientific Requirements Consolidation</b> (NOC) Overview
4	14:10	WP1100 Review of the State of the Art in SAR Altimeter Data (NOC).
5	14:30	<b>WP2000 – Data Management</b> (SatOC) - Overview of SCOOP Test Data Set for Phase 1. Temporal and Spatial Coverage. - Input Data Requirements - Access arrangements
6	14:45	WP2400 – RDSAR processing and Provision (TU Delft)
	15:00	Coffee Break
7	15:30	<b>WP7000 – Wet Troposphere Model</b> (U Porto) Description of activity, required inputs, outline of deliverables, risks
8	16:00	<b>WP5000 – Open Ocean Study</b> (CLS) Overview
9	16:15	WP5100 – Open Ocean Study - Description of validation approach and expected outputs (CLS, TU Delft)
10	16:30	WP5200 Sea State Bias (NOC, and TU Delft) Report of progress EUMETSAT Sea State Bias Study (NOC) Confirmation of plans for SSB studies (NOC and TU Delft)
11	17:00	WP5300 Swell Study (TU Delft) Description of proposed approach
	17:30	Close

## Day 2 (27 Jan)

	09:00	Open
1	09:00	<b>WP3000 Doppler Stack Processing (isardSAT)</b> Overview
2	09:15	WP3100 L1B Processing Approach for Phase 1 Test Data Set (also WP1200-1400) / - Doppler Stack Processing (isardSAT) Description of proposed approach - discussion
3	09:30	WP3100-WP3300 Processing Approach options to be developed for evaluation in Phase 2- Doppler Stack Processing (isardSAT, CLS, NOC) Description of proposed approaches - discussion
4	10:00	<b>WP4000 Echo Modeling and Retracking (Starlab)</b> Overview
5	10:10	WP4100 L2 Processing Approach for Phase 1 - Echo Modeling and Retracking (Starlab) (also WP1200-1400) Description of proposed approach - discussion
6	10:30	WP4500, WP4600 Processing Approach for Phase 1 - options to be developed for evaluation in Phase 2 (Starlab, NOC) - Description of proposed approaches - discussion
	11:00	Coffee
7	11:30	<b>WP6000 Coastal Zone Study</b> Overview (NOC)
8	11:45	WP6100, 6200 Coastal Zone Study - Description of validation approach and expected outputs (NOC)
9	12:00	WP6300 – Swell Study (Noveltis)
10	12:15	WP6400 – SAR Mode Performance in German Bight (University of Bonn)
11	12:30	WP6600 – Land Proximity, Ground Track Orientation Study (NOC)
	12:45	Lunch
12	14:30	Discussion – Review of any major points of discussion
13	15:00	<b>WP8000 Outreach and Promotion</b> – Meeting Plans (Living Planet)
14	15:30	AOB, Next Meetings, Actions
	16:00	Close

### Papers:

- SCOOP Technical and Administrative Proposals
- SCOOP Project Management Plan
- D1.1 Start of the Art Technical Note (Draft)
- D1.2 Requirements Baseline (Draft)
- D1.3 Algorithm Theoretical Basis Documents - ATBD (Draft)
- D1.4 Processing Options Configuration Control Document – POCCD (Draft)