

First meeting: 29 – 30 September 2016

THURSDAY 29 September, 2016

9:00-9:15	Welcome & Introduction to ISSI	Maurizio Falanga (ISSI)
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9:15-10:00	Introduction & Objectives of the Working Group	Susanne Mecklenburg & Matthias Drusch (ESA)
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10:00-10:30	<i>Coffee break</i>	
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Session 1 L-Band on Sea Ice

10:30-11:00	Potentials and challenges of sea ice parameter retrieval using low frequency microwave radiometry	Lars Kaleschke
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11:00-11:30	Using a multi-layer radiation model to simulate L-band brightness temperatures of snow-covered sea ice	Nina Maaß
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11:30-12:00	Simulated geophysical noise in ice concentration estimates over snow covered sea ice	Rasmus Tonboe
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12:00-12:30	L-band brightness temperature comparison based on SMOS and ORAP5 reanalyses	Friedrich Richter
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12:30-14:00	<i>Lunch</i>	
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Session 2 (I) L-Band on Non-Sea Ice

14:00-14:30	Modeling of L-band brightness temperature at Dome C, on the Antarctic ice sheet	Marion Leduc-Leballeur
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14:30-15:00	Improving snow internal properties representation in sea-ice models for remote sensing applications: challenge of coupling Crocus with CICE	Ghislain Picard
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Session 3 (I) User requirements & Validation

15:00-15:30	Sea ice in weather forecasting models and satellite data assimilation	Alan Geer
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15:30-16:00	Available remote sensing and in situ data for assessing simulated sea ice properties	Ludovic Brucker
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16:00-16:30	<i>Coffee break</i>	
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16:30-18:00	Discussion	All participants
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20:00	<i>Dinner at Tramdepot Restaurant</i>	
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FRIDAY 30 September, 2016

9:00 - 9:30	<i>Coffee & Gathering</i>	
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Session 2 (II)	L-Band on Non-Sea Ice	
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09:30-10:00	Interaction of microwaves (including L-band) with ice and snow	Christian Mätzler
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10:00-10:30	Two-stream emission model: harmonized application to retrieve land and sea parameters	Mike Schwank
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10:30-11:00	<i>Coffee break</i>	
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Session 3 (II)	User requirements & Validation	
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11:00-11:30	Estimation of sea ice concentration using SMOS and comparison with OSISAF maps	Carolina Gabarro
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11:30-12:30	Discussion	All participants
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12:30-14:00	<i>Lunch</i>	
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14:00-15:00	Wrap up, writing the ATBD	All participants
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15:00-15:30	<i>Coffee break</i>	
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15:30-16:00	Feedback, next steps and future ISSI planning	All participants
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16:00	Close of the Workshop	
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