



ALOS Kyoto & Carbon Initiative
19th Science Team meeting (KC#19)
RESTEC HQ (Kamiya-cho, Tokyo)

TUESDAY April 9, 2013
RESTEC HQ – Meeting room 1A/1B (2nd floor)

10:00 Welcome (Masanobu Shimada, JAXA)

10:05 K&C intro for new participants (Ake Rosenqvist, soloEO)

10:30 EORC data processing and ground data collection

- **Status & capacity issues** (M. Shimada)
- **PALSAR mosaics and path image request procedures and EORC product transfer procedures** (Keiko Ishii, RESTEC)
- **JAXA collection of ground data from K&C Science Teams** (Takeshi Motohka, JAXA)

11:30 JAXA Global Forest/Non-Forest mapping – status report (JAXA EORC team)

11:50 ALOS-2 system characteristics and development status (M. Shimada)

12:15 – 13:30 LUNCH

13:30 Science Team reports – Forestry (20+5 minutes)

- Richard Lucas (U.Aberystwyth/Wales)
- Mari Trix Estomata (GIZ, Philippines)
- Jörg Seifert-Granzin (GIZ, Philippines/Vanuatu)
- Maurizio Santoro (Gamma RS, Switzerland)

15:10 – 15:30 Coffee

15:30 Science Team reports – Forestry (20+5 minutes)

- Shaun Quegan (U. Sheffield/U.K.)
- Katmoko Ari Sambodo (LAPAN, Indonesia)
- Carlos Pedraza (TNC/Colombia)
- Renaud Mathieu (CSIR, South Africa) – by Ake Rosenqvist

~ 17:30 Adjourn



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**WEDNESDAY April 10, 2013
RESTEC HQ – Meeting room 1A/1B (2nd floor)**

10:00 Science Team reports – Forestry (20+5 minutes)

- Mulyanto Darmawan (Badan Informasi Geospasial, Indonesia)
- Hamdan Omar (FRIM, Malaysia)
- Paul Siqueira (Univ. Mass/USA)
- Florian Kugler (DLR, Germany)

12:15 – 13:30 LUNCH

2ND MEETING OF K&C SCIENCE ADVISORY PANEL (SAP#2)
(SAP members only)

18:00 Welcome Reception (All KC#19 participants)

Restaurant TORAFUKU, Shiroyama Hills building, 2nd floor

(5 min walk, between RESTEC HQ and Villa Fontaine hotel, Starbucks on 1st floor)

<http://r.gnavi.co.jp/g150120/lang/en/>



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**THURSDAY April 11, 2013
RESTEC HQ – Meeting room 1A/1B (2nd floor)**

10:00 Science Team reports – Wetlands (20+5 minutes)

- Bill Salas (AGS/USA)
- Lisa Rebelo (IWMI, Laos)
- Tony Milne (UNSW, Australia)
- Bruce Chapman (JPL, USA)
- Bruce Forsberg (INPA, Brazil) – by Bruce Chapman
- Lola Fatoyinbo (NASA GSFC, USA)

12:30 – 14:00 LUNCH

14:00 K&C project issues (Ake Rosenqvist)

15:00 K&C Global Mangrove Watch – Working Group Session

Session Lead: Richard Lucas

- Recent developments (Richard Lucas, Takuya Itoh/RESTEC)
- The way forward

~ 17:30 Ajourn



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FRIDAY April 12, 2013
RESTEC HQ – Meeting room 1A/1B (2nd floor)

K&C SEMINAR ON
FOREST BIOMASS RETRIEVAL FROM EARTH OBSERVATION
All KC#19 participants are most welcome to join.

10:00 Introduction (Masanobu Shimada)

10:10 Biomass retrieval from EO (20 mins)

- From TanDEM-X to TanDEM-L: 3D vegetation structure by spaceborne InSAR
Florian Kugler (DLR, Germany)
- National-scale biomass mapping of the USA – Bruce Chapman
- Semi-national scale biomass estimation by PALSAR and Landsat – Richard Lucas
- Multi-sensor generation of a global biomass dataset – Maurizio Santoro
- Biomass estimation by DesDynI – Paul Siqueira
- Prediction of biomass using X and P band in PNG – Tony Milne

12:00 – 13:30 LUNCH

13:30 Biomass retrieval from EO (cont'd)

- Mapping mangrove height and biomass by SRTM – Lola Fatoyinbo
- The ESA BIOMASS mission: the first P-band SAR! – Shaun Quegan

14:15 Biomass retrieval from EO (cont'd)

Open floor Discussion on today's state of the art and potential implications for ALOS-4

~ 16:00 End of KC#19



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List of Participants
International

Bruce	Chapman	JPL/CalTech	USA
Mulyanto	Darmawan	Bakosurtanal	Indonesia
Jose Don	De Alban	Fauna & Flora Int'l	Philippines
Mari Trix	Estomata	GIZ	Philippines
Lola	Fatoyinbo	NASA GSFC	USA
Tomoko	Furuta	Japan Forest Technology Assoc.	Japan
Muhammad	Haidar	Badan Informasi Geospasial	Indonesia
Florian	Kugler	German Aerospace Centre (DLR)	Germany
Berndt Markus	Liss	GIZ	Philippines
Richard	Lucas	Aberystwyth University	U.K.
Joaquim	Macuacua	Dept. of Lands and Forestry	Mozambique
Anthony	Milne	University of New South Wales	Australia
Angelica	Monzon	Fauna & Flora Int'l	Philippines
Hamdan	Omar	FRIM	Malaysia
Enrico	Paringit	Univ. of the Philippines Diliman	Philippines
Carlos	Pedraza	The Nature Conservancy	Colombia
Shaun	Quegan	University of Sheffield	U.K.
Lisa	Rebelo	Int'l Water Management Inst.	Lao DPR
Bill	Salas	Applied Geosolutions, LLC	USA
Katmoko Ari	Sambodo	LAPAN	Indonesia
Maurizio	Santoro	Gamma Remote Sensing	Switzerland
Dheny Trie Wahyu	Sampurno	Badan Informasi Geospasial	Indonesia
Hiroshi	Sasagawa	Japan Forest Technology Assoc.	Japan
Jörg	Seifert-Granzin	GIZ	Philippines
Paul	Siqueira	Univ. Massachusetts	USA
Michael	Stuewe	WWF-US	USA
Kei	Suzuki	Japan Forest Technology Assoc.	Japan
Dennis	Tacmo	Forest Management Bureau	Philippines
Yumiko	Uryu	WWF-Indonesia	Indonesia



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List of Participants
Internal

Shimada	Masanobu	JAXA EORC	Japan
Ake	Rosenqvist	soloEO	Japan
Watanabe	Manabu	JAXA EORC	Japan
Shiraishi	Tomohiro	JAXA EORC	Japan
Motooka	Takeshi	JAXA EORC	Japan
Rajesh	Thapa	JAXA EORC	Japan
Tsuji	Masanobu	JAXA EORC	Japan
Takahashi	Masuo	JAXA EORC	Japan
Ogawa	Takashi	JAXA EORC	Japan
Yamanokuchi	Tsutomu	RESTEC	Japan
Itoh	Takuya	RESTEC	Japan
Isoguchi	Osamu	RESTEC	Japan
Ohtaki	Takahiro	RESTEC	Japan
Tsuzuku	Kaoru	RESTEC	Japan
Sekioka	Shinichi	RESTEC	Japan
Ishii	Keiko	RESTEC	Japan