



ALOS Kyoto & Carbon Initiative Phase 4

Ake Rosenqvist
K&C Science Coordinator



KC#21 - Kyoto, December 3-5, 2014

Kyoto & Carbon Initiative – Phase 4

K&C objective: To lead the development of advanced L-band SAR applications in support of information needs posed by the “4 C’s”:

- Terrestrial **C**arbon cycle science;
- Multinational Environmental **C**onventions;
- Environmental **C**onservation
- **C**limate Change [New!]

3 Thematic focus areas:

- **F**orestry
- **W**etlands
- **I**ce

K&C Phase 4

- K&C Phase 4 approved by JAXA management on October 17.
- Project duration: 3.5 years (Oct 2014 – March 2018)
- Simplified agreement procedure to speed up contract establishment between JAXA and team members
- Science Team meetings: annual frequency <discussion point>

K&C Phase 4 – Science Team (1/2)

32 members from 19 countries

	Name	Surname	Institution	Country
F1	John	Armston	University of Queensland	Australia
F2	Bruce	Chapman	Jet Propulsion Laboratory	USA
F3	Humberto	de Mesquita	Brazilian Forest Service	Brazil
F4	Trix	Estomata	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)	Philippines
F5	Wolf	Forstreuter	Secretariat of the Pacific Community	Fiji
F6	Johan	Fransson	Univ. of Agricultural Sciences	Sweden
F7	Dirk	Hoekman	Wageningen University	Netherlands
F8	Francesco	Holecz	sarmap	Switzerland

K&C Phase 4 – Science Team (1/2)

32 members from 19 countries

	Name	Surname	Institution	Country
F9	Josef	KelIndorfer	Woods Hole Research Center	USA
F10	Thuy	Le Toan	Centre d'Etudes Spatiales de la Biosphère (CESBIO)	France
F11	Joaquim	Macuacua	National Directorate of Lands and Forestry	Mozambique
F12	Renaud	Mathieu	Council for Scientific and Industrial Research (CSIR)	South Africa
F13	Anthony	Milne	Horizon Geoscience	Australia
F14	Anthea	Mitchell	University of New South Wales	Australia
F15	Hamdan	Omar	Forest Research Institute Malaysia (FRIM)	Malaysia
F16	Kostas	Papathanassiou	German Aerospace Centre (DLR)	Germany

K&C Phase 4 – Science Team (1/2)

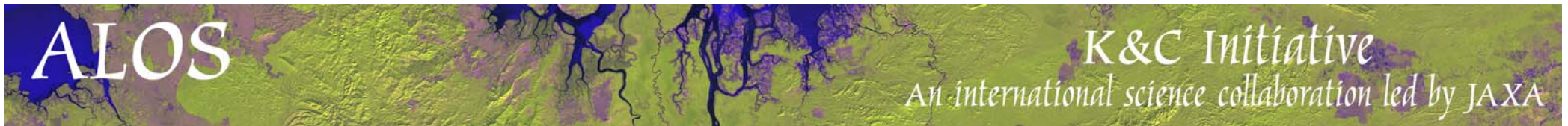
32 members from 19 countries

	Name	Surname	Institution	Country
F17	João	Carreiras	University of Sheffield	U.K.
F18	Orbita	Roswintiarti	LAPAN	Indonesia
F19	Bill	Salas	Applied Geosolutions, LLC	USA
F20	Edson	Sano	IBAMA	Brazil
F21	Maurizio	Santoro	Gamma Remote Sensing	Switzerland
F22	Paul	Siqueira	Univ. Massachusetts	USA
F23	Michael	Stuewe	WWF-US	USA
F24	Christian	Thiel	Friedrich-Schiller-University Jena	Germany

K&C Phase 4 – Science Team (1/2)

Forestry: 24 Wetlands: 7 Ice: 1

	Name	Surname	Institution	Country
W1	Lisa	Rebelo	International Water Management Institute	Laos
W2	Richard	Lucas	University of New South Wales	Australia
W3	Kyle	McDonald	City College of New York	USA
W4	Thiago	Silva	University of Sao Paulo (UNESP)	Brazil
W5	Maycira	Costa	University of Victoria	Canada
W6	Carlos	Pedraza	The Nature Conservancy	Colombia
W7	Shin-ichi	Sobue	RESTEC	Japan
G1	Bernd	Scheuchl	University of California, Irvine	USA



How to Purchase - ALOS-2-RES...

alos-2-restec.jp/en/staticpages/index.php/prc-000

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ALOS-2 data Advanced Land Observing Satellite-2

Sitemap

Home About ALOS-2 Products Services How to Purchase Contact

How to Purchase

ALOS-2 Prices

Archive prices

Observation Mode	Price per Scene
Spotlight	¥500,000
Ultra-Fine	¥300,000
High-sensitive	¥300,000
Fine	¥300,000
High-sensitive(Full Polarimetry)	¥300,000
Fine(Full Polarimetry)	¥300,000
ScanSAR nominal(20Mhz)	¥150,000
ScanSAR nominal(14Mhz)	¥150,000
ScanSAR wide(490km)	¥150,000

New Acquisition Price

New Acquisitions are available for the specified observation mode with additional ¥150,000 per scene.

- Prices listed above are Japanese Yen.
- Prices listed above apply to a single user license.
- Prices listed above apply to on-line delivery only.
- Please contact to ALOS-2 Data Provider's Team if different delivery media is required other than downloading.
- Prices listed above exclude any taxes (withholding taxes, VAT, GST or similar taxes), duties, stamps, surcharges, clearance costs and other fees.

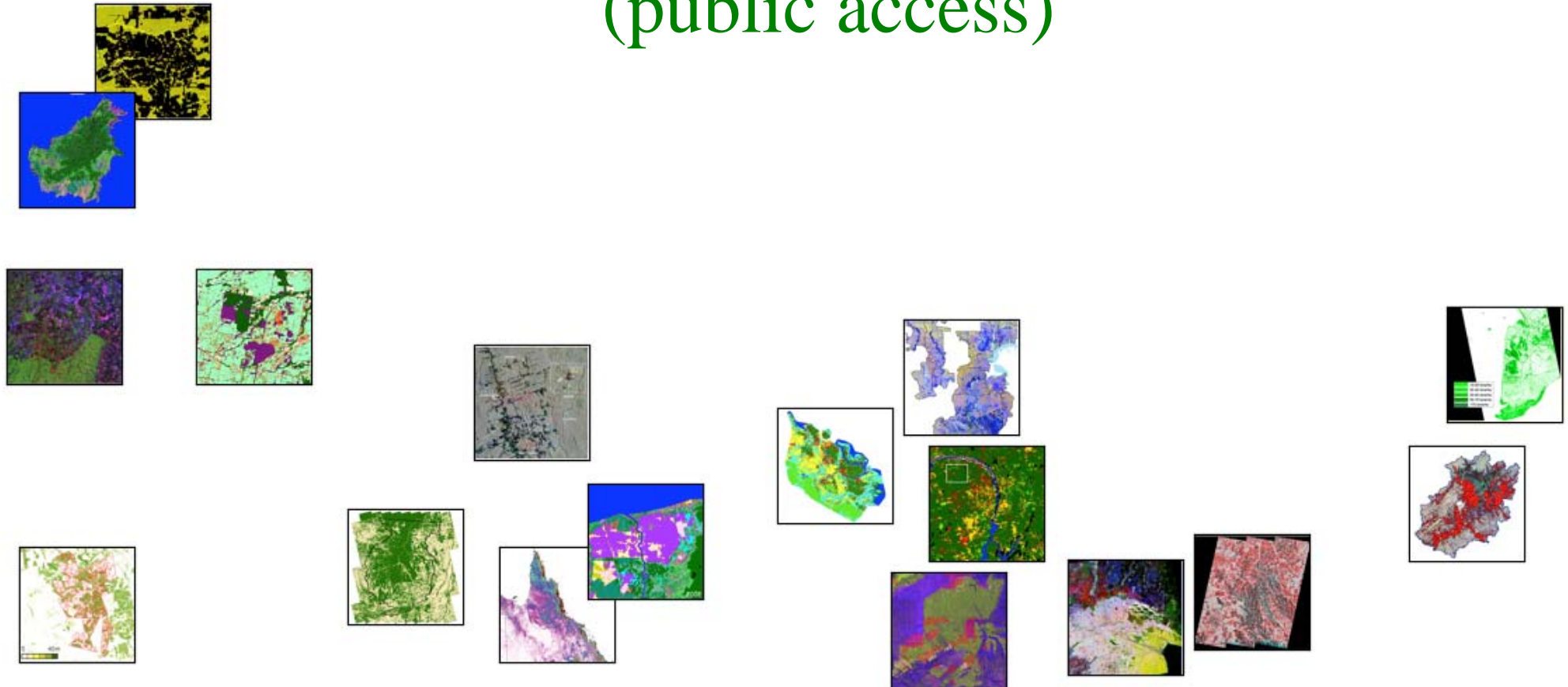
ALOS-2 is a commercial system.

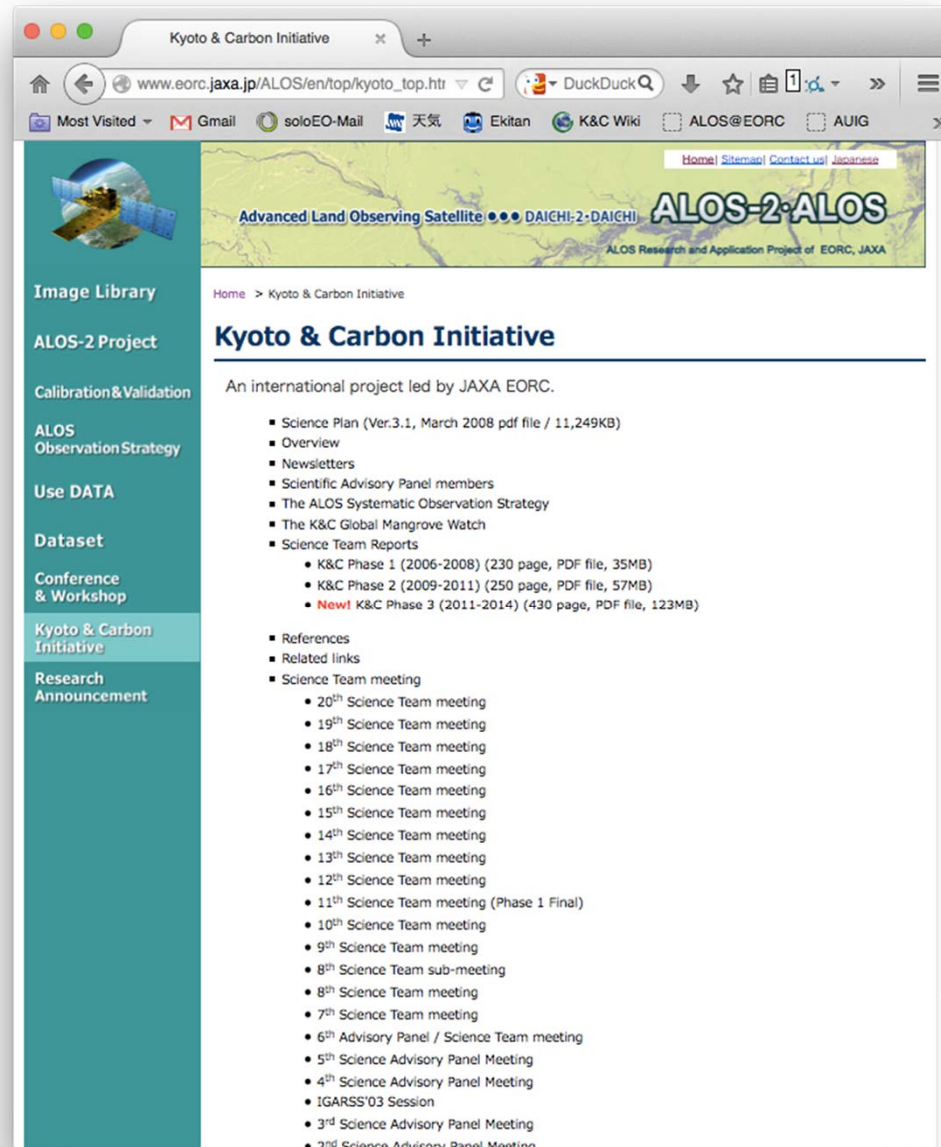
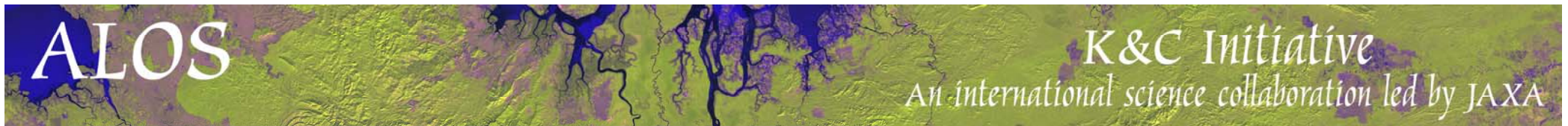


Important to keep in mind:

K&C must not be seen as a free data opportunity (type AO), but a scientific collaboration - with active participation at science meetings, publications (*with acknowledgements*), provision of reports, etc.

Project information resources (public access)





JAXA EORC K&C Homepage

- K&C background information
- Agendas and **presentation material** available from all previous K&C Science Team meetings (KC#1 – KC#20)
- PALSAR and PALSAR-2 systematic observation strategy (BOS)
- JAXA 25m mosaics and FNF classifications

http://www.eorc.jaxa.jp/ALOS/en/top/kyoto_top.htm

ALOS

K&C Initiative
An international science collaboration led by JAXA

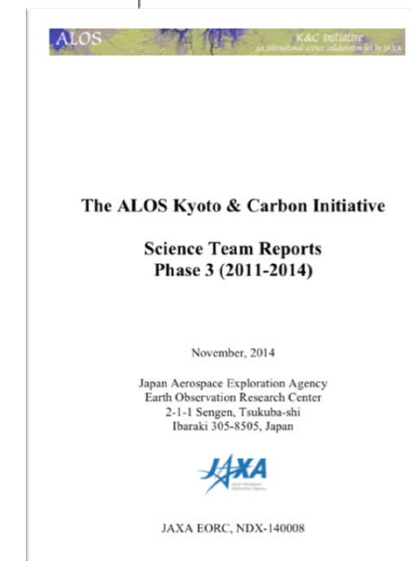
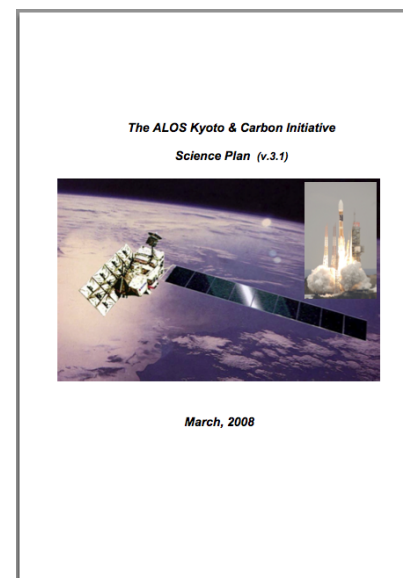
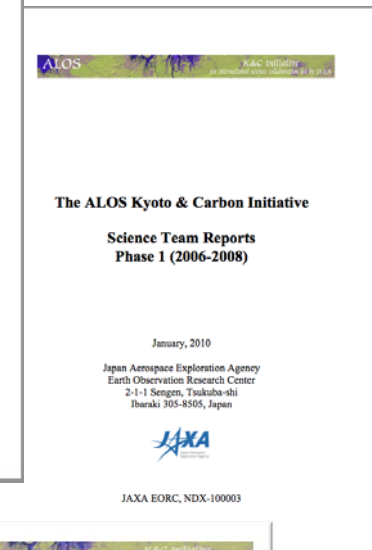
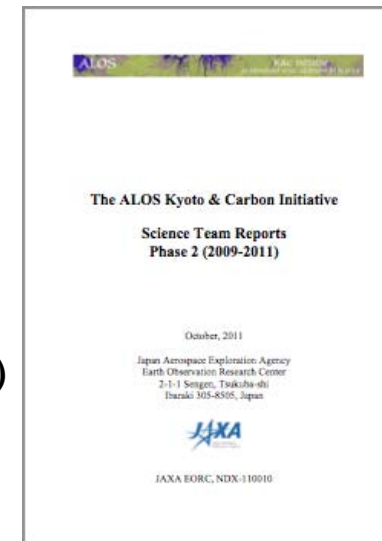
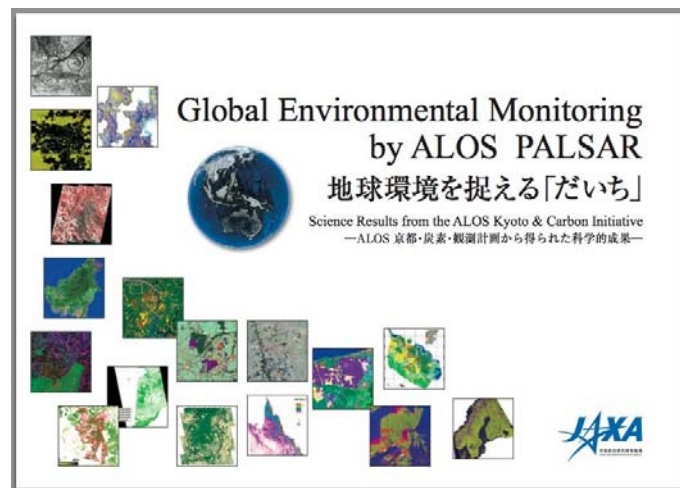
Links to Reports and publications

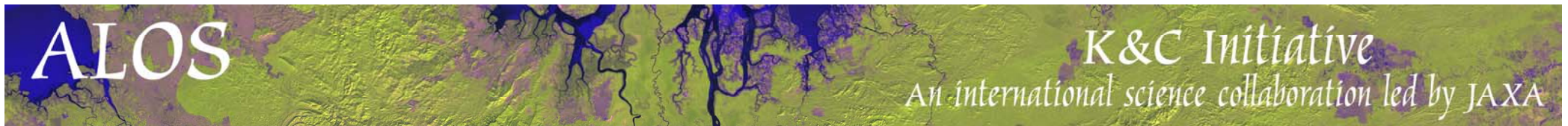
*K&C Science Team Reports **Phase 1** (Jan 2010, 230 pp)*

*K&C Science Team Reports **Phase 2** (Oct 2011, 250 pp)*

*K&C Science Team Reports **Phase 3** (Nov 2014, 450 pp)*

K&C Booklet



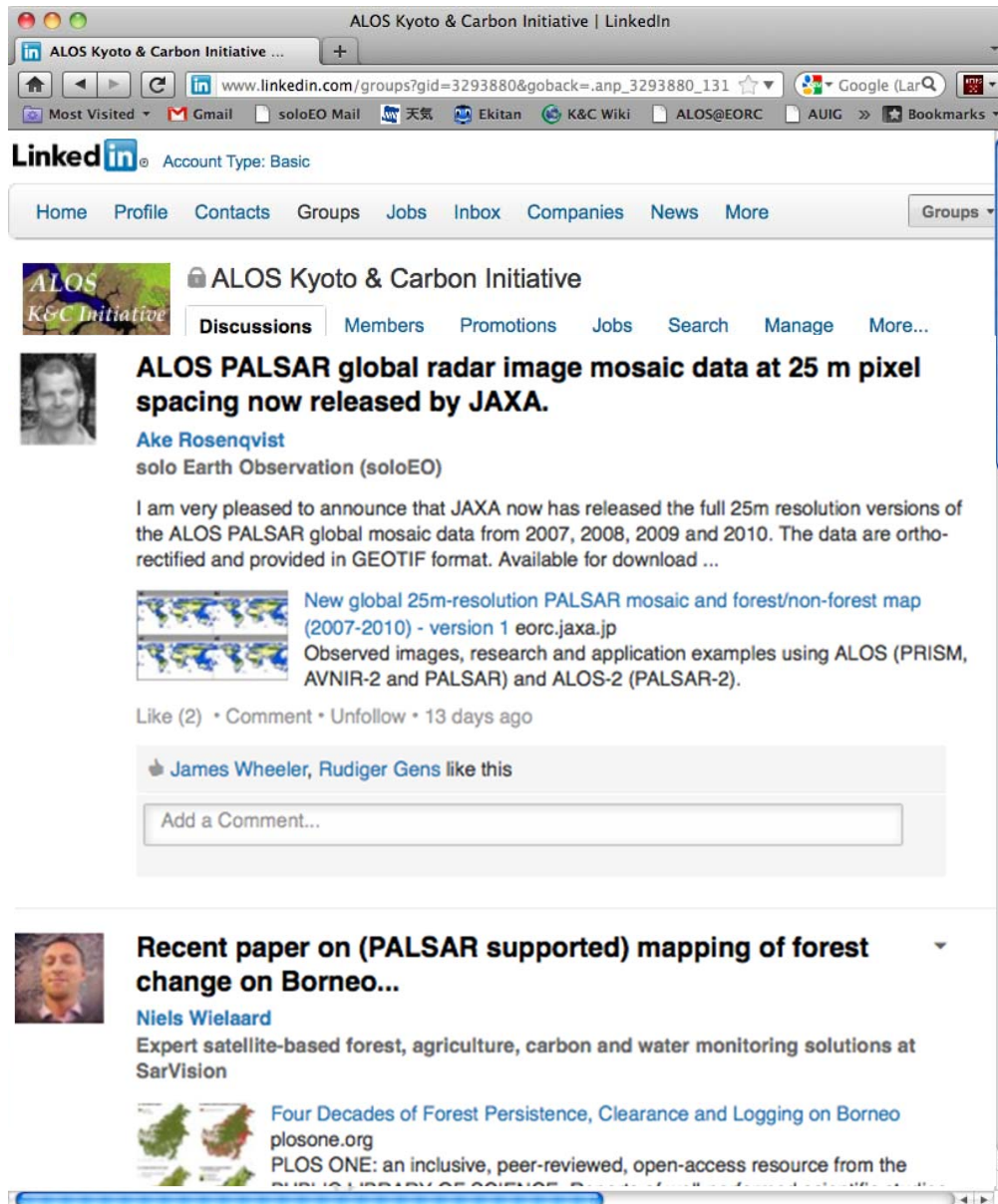
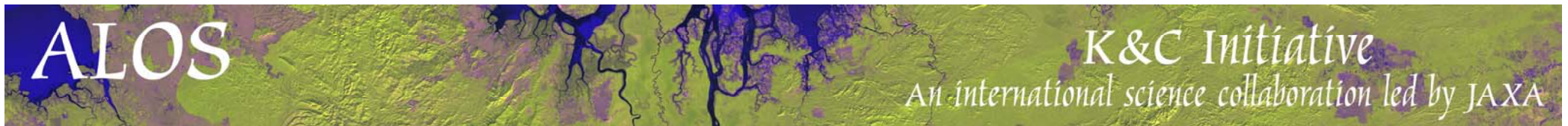


JAXA EORC Mosaic Homepage

PALSAR 25 m resolution
Global mosaics online

- 2007 – 2010
- FBD image data
- Forest/Non-Forest maps

http://www.eorc.jaxa.jp/ALOS/en/palsar_fnf/fnf_index.htm

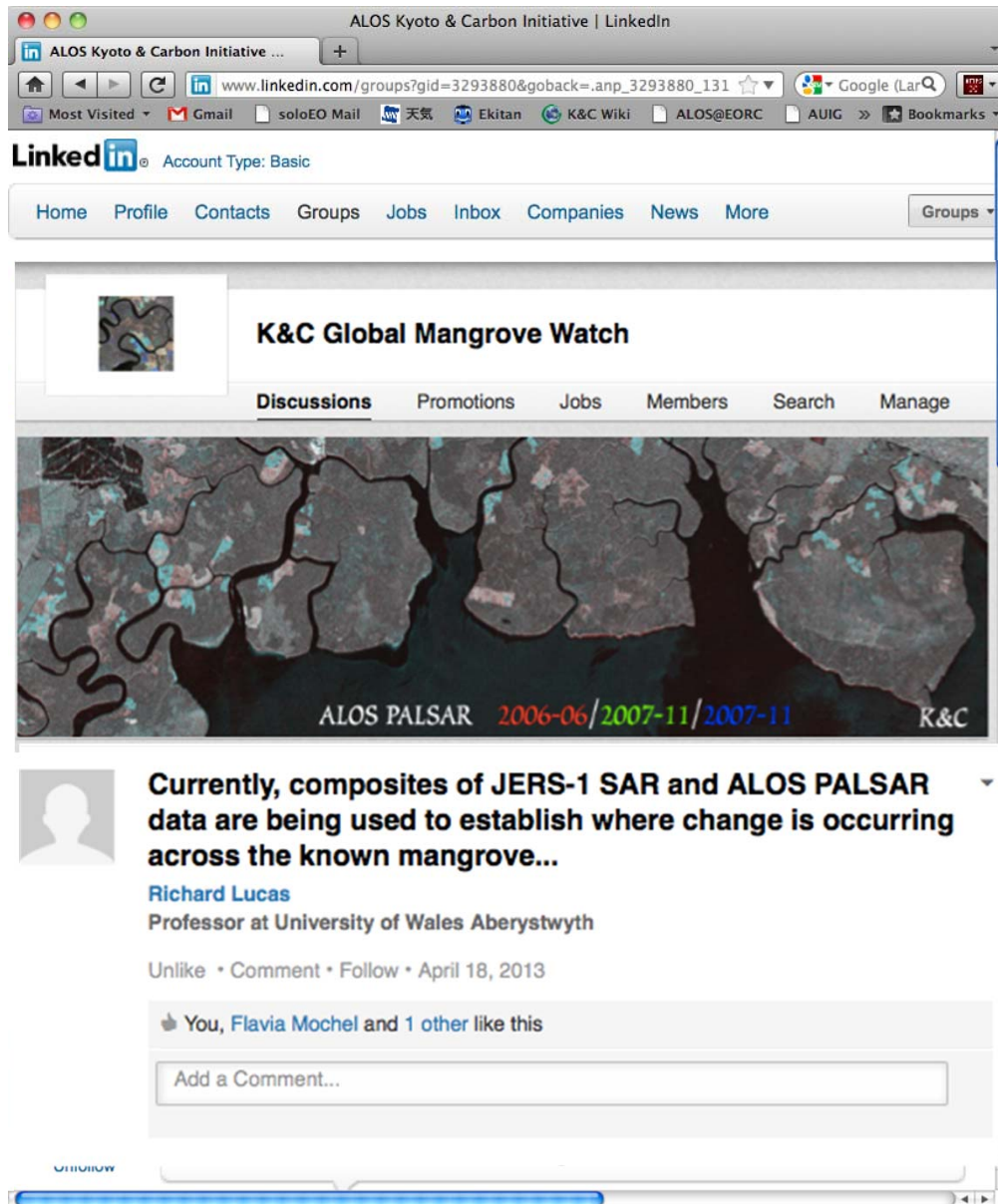
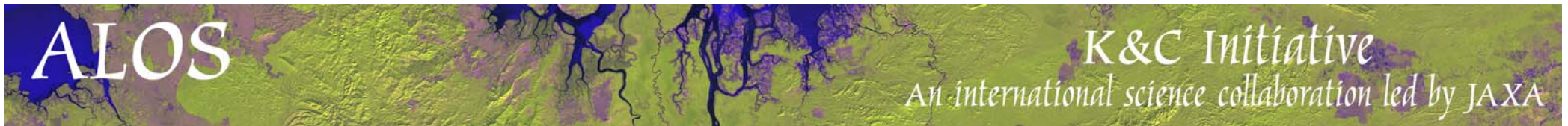


Interest group on the [LinkedIn](#) network with news on publications and other events.

Aim to disseminate K&C info to broader community.
241 members thus!

Group name:
[ALOS Kyoto & Carbon Initiative](#)

Request membership directly at
group page at
<http://www.linkedin.com>
OR send email to
ake.rosenqvist@soloEO.com



Upstart of new group

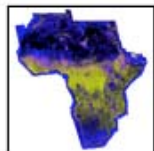
Group name:
K&C Global Mangrove Watch

Primarily for GMW project
related information, but increasing
interest from the public.

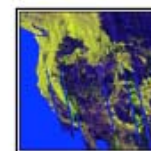
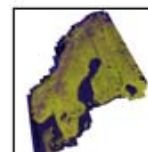
Request membership directly at
group page at
<http://www.linkedin.com>
OR send email to
ake.rosenqvist@soloEO.com

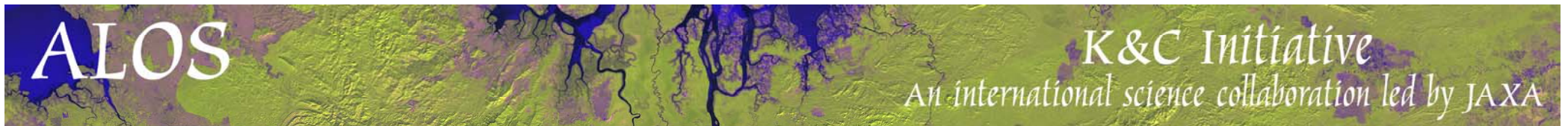
ALOS

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Project information resources (project team access)





Project info resources

The K&C Wiki

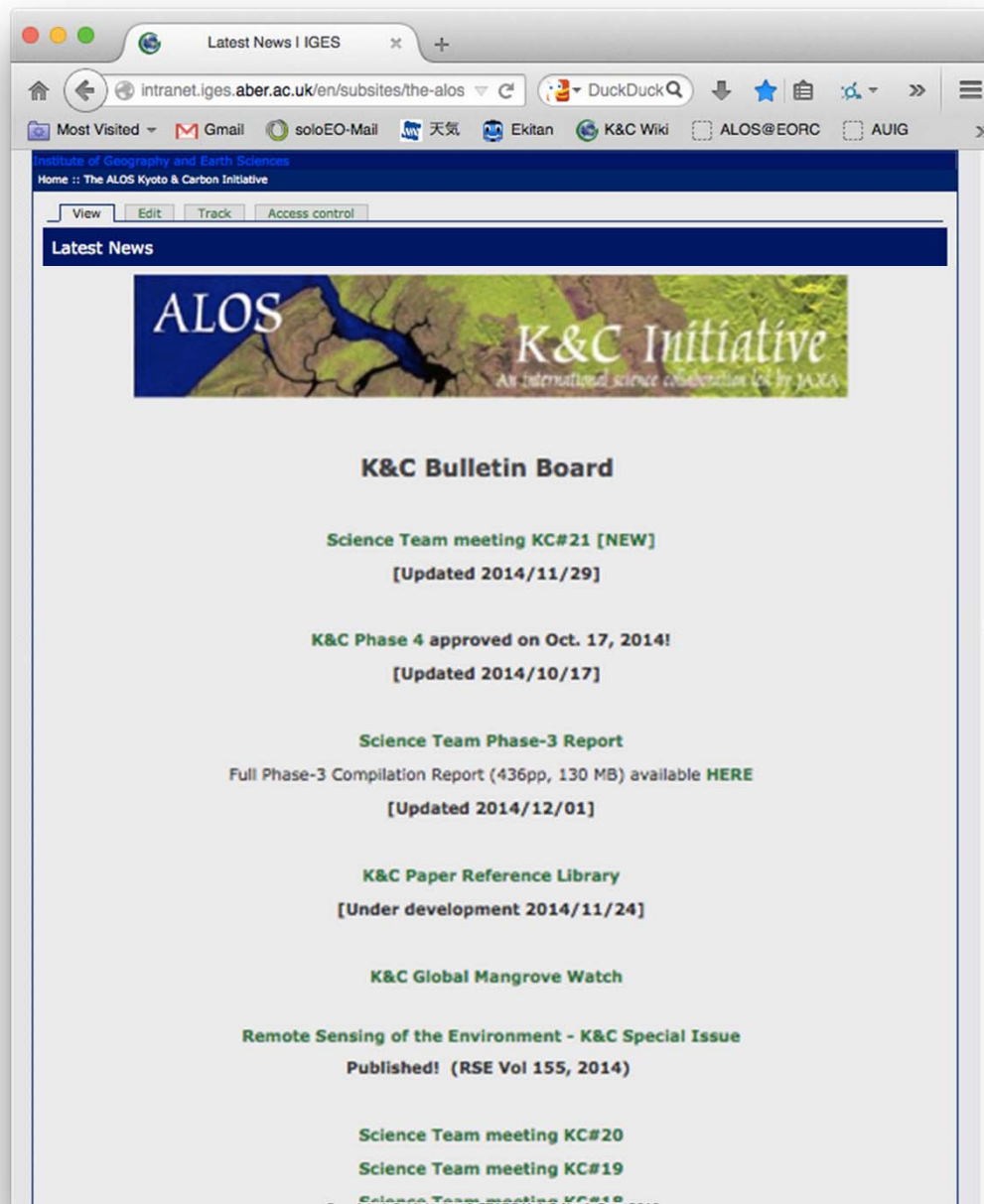
Hosted by Aberystwyth Univ.

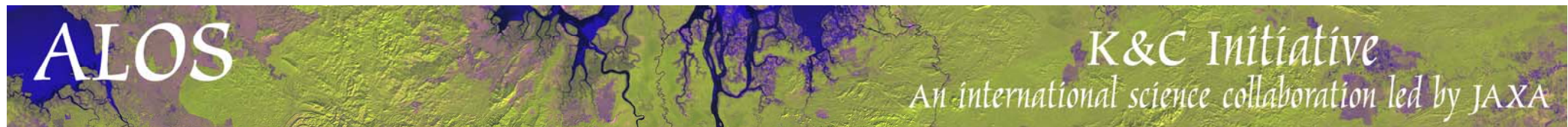
Main place for sharing of info
from the K&C secretariat.

Keep an eye on it!

<http://intranet.iges.aber.ac.uk/en/subsites/the-alos-kyoto-amp-carbon-initiative/latest-news>

Log in ID: **ALOS-KC**
Passwd: **ALOS-KC**





K&C reference Library on the K&C Wiki

Library of references to papers
relating to K&C and
GFRM/GBFM research
<http://intranet.iges.aber.ac.uk/en/subsites/alos-kyoto-amp-carbon-initiative/wiki-kc-paper-library>

100+ references & PDFs from
Science Team 1996–2015

Please provide more!

Link to PDF?