



ALOS Kyoto & Carbon Initiative

KC#22 intro

Ake Rosenqvist
K&C Science Coordinator



KC#22 – Tokyo, Japan, Feb 16-18, 2016

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!]

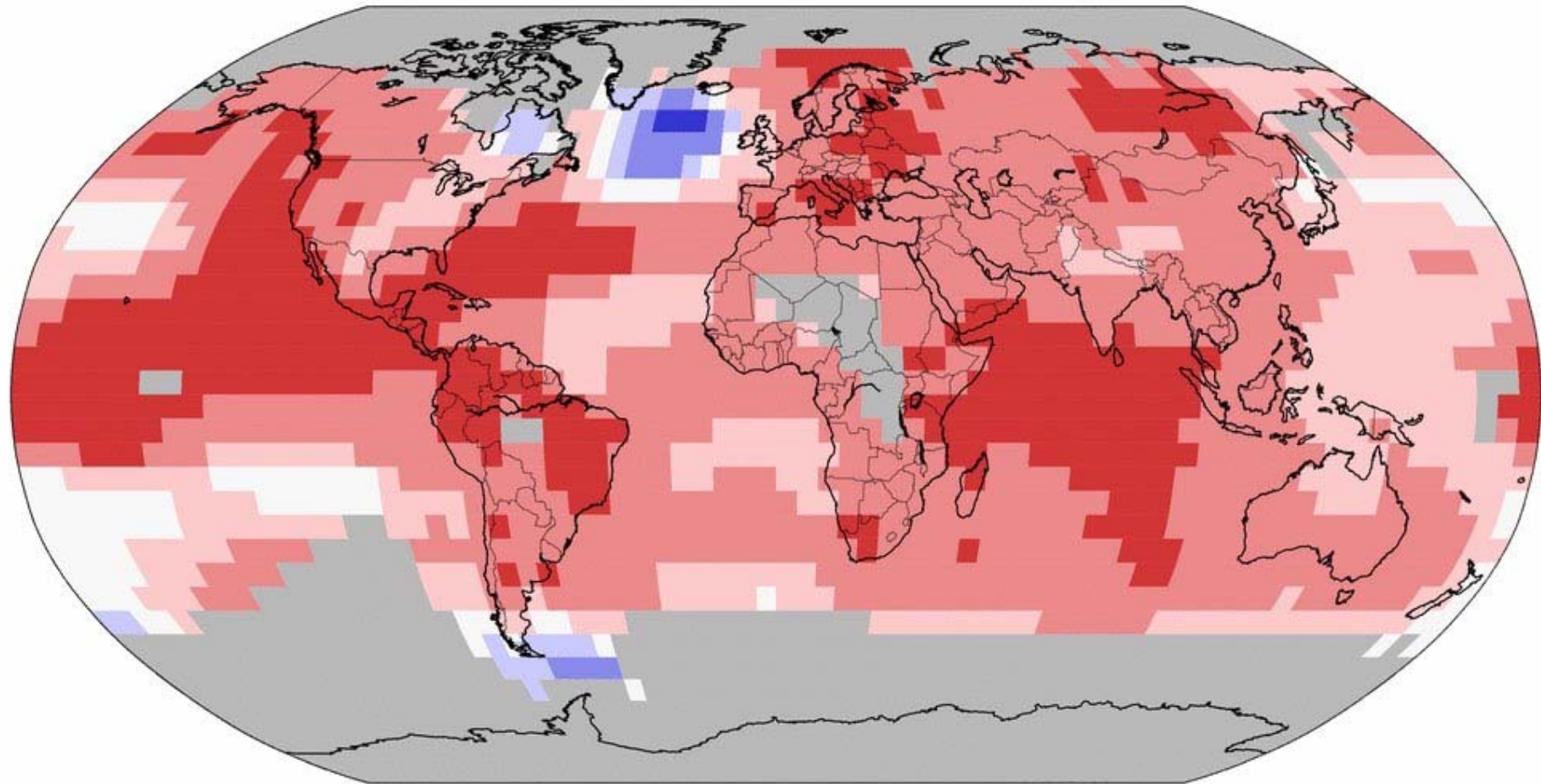
3 Thematic focus areas:

- Forestry
- Wetlands
- Glaciers

Land & Ocean Temperature Percentiles Jan–Dec 2015


NOAA's National Centers for Environmental Information


Data Source: GHCN–M version 3.3.0 & ERSST version 4.0.0




**Record
Coldest**


**Much
Cooler than
Average**


**Cooler than
Average**


**Near
Average**

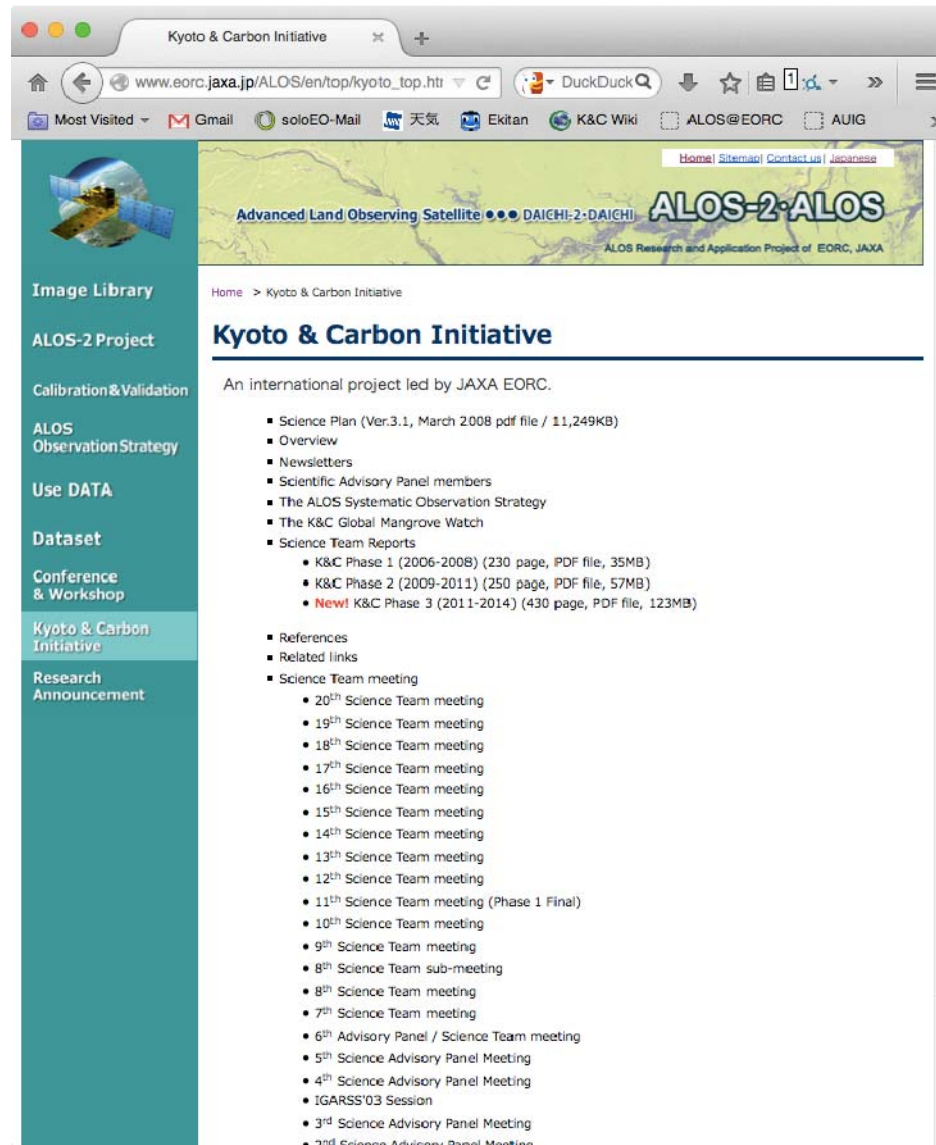
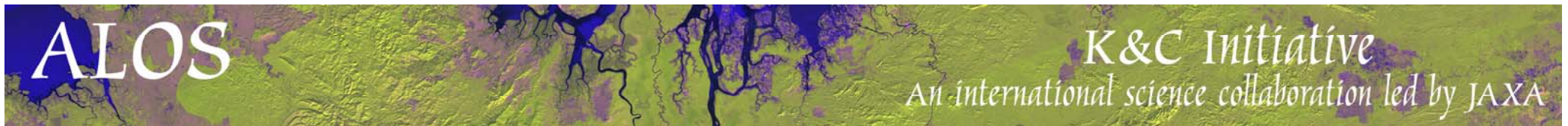

**Warmer than
Average**


**Much
Warmer than
Average**


**Record
Warmest**



Wed Jan 13 12:15:02 EST 2016



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#21)
- 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

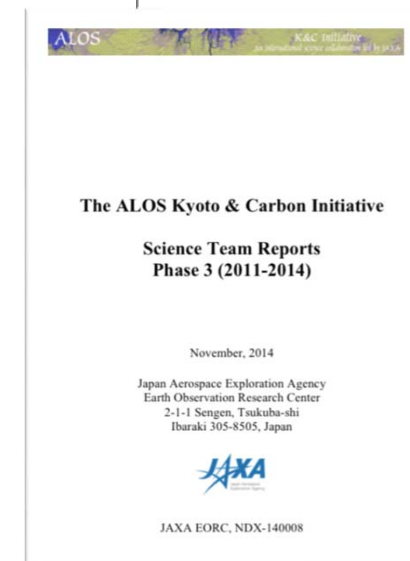
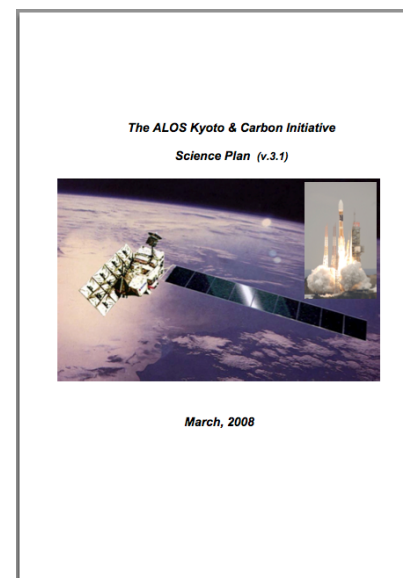
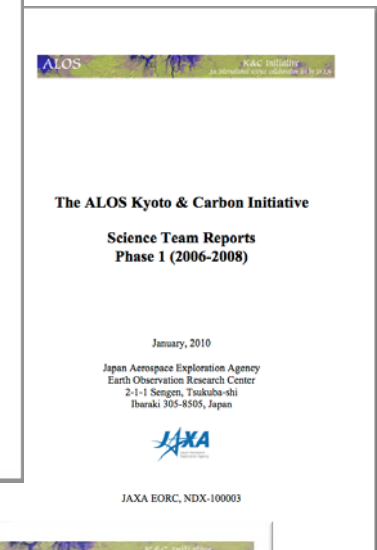
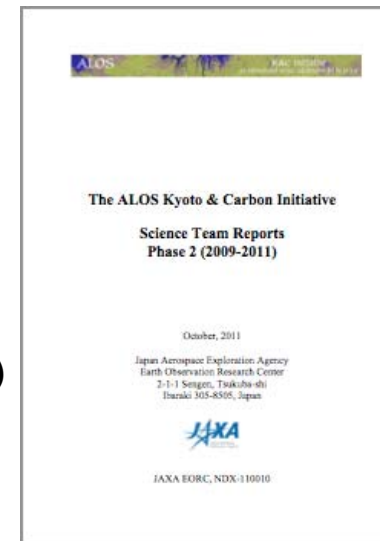
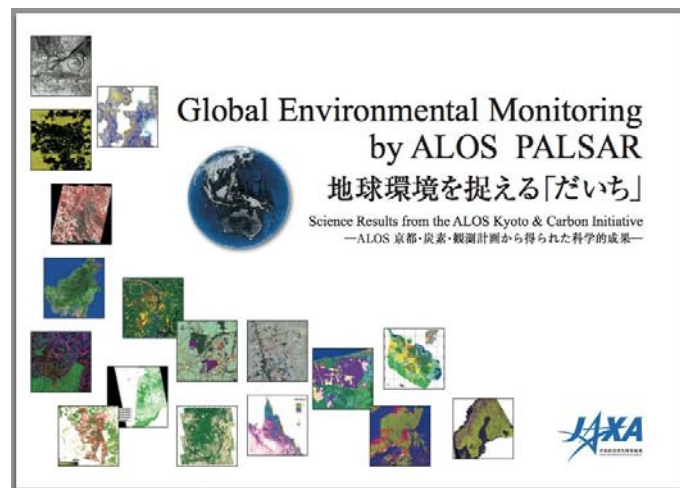
Links to Reports and publications

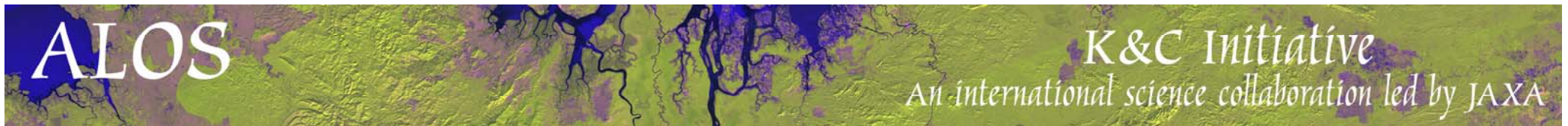
*K&C Science Team Reports **Phase 1** (Jan 2010, 230 pp)*

*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





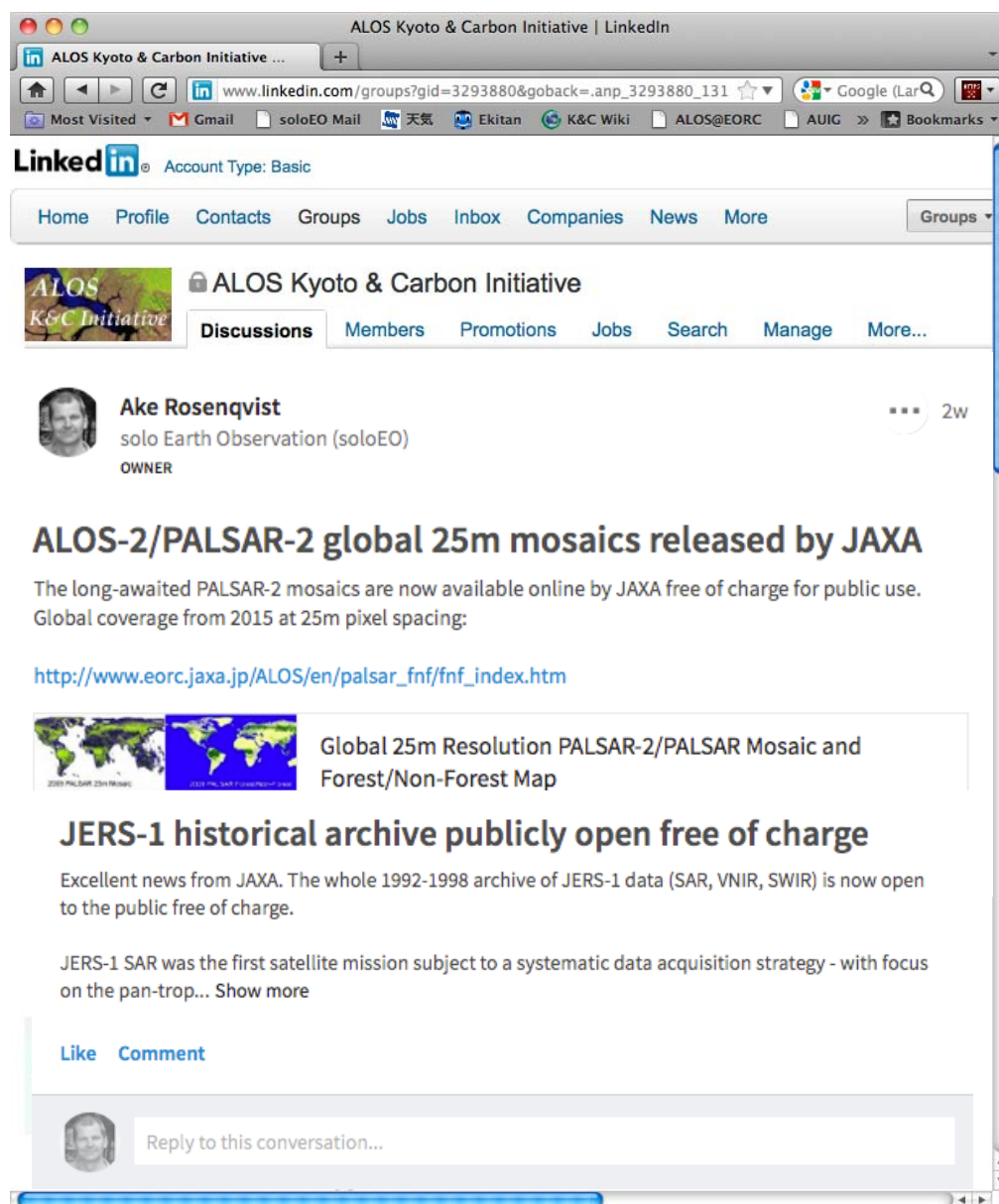
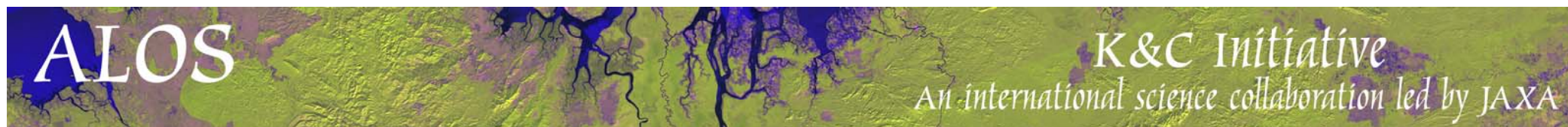
A screenshot of a web browser showing the JAXA EORC ALOS Mosaic Homepage. The browser address bar shows "www.eorc.jaxa.jp/ALOS/en/palsar_fnf/fnf_int". The page has a teal sidebar on the left with links like "Image Library", "ALOS-2 Project", "Dataset", etc. The main content area has a header with "ALOS-2-ALOS" and a title "New global 25m-resolution PALSAR mosaic and forest/non-forest map (2007-2010) - version 1". Below the title is a "1. Summary" section with text about the data and a figure showing four world maps (a, b, c, d) illustrating the forest/non-forest map data.

JAXA EORC Mosaic Homepage

Global 25 m resolution
mosaics online

- PALSAR 2007 – 2010
- PALSAR-2 2015
- FBD image data
- Forest/Non-Forest maps

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

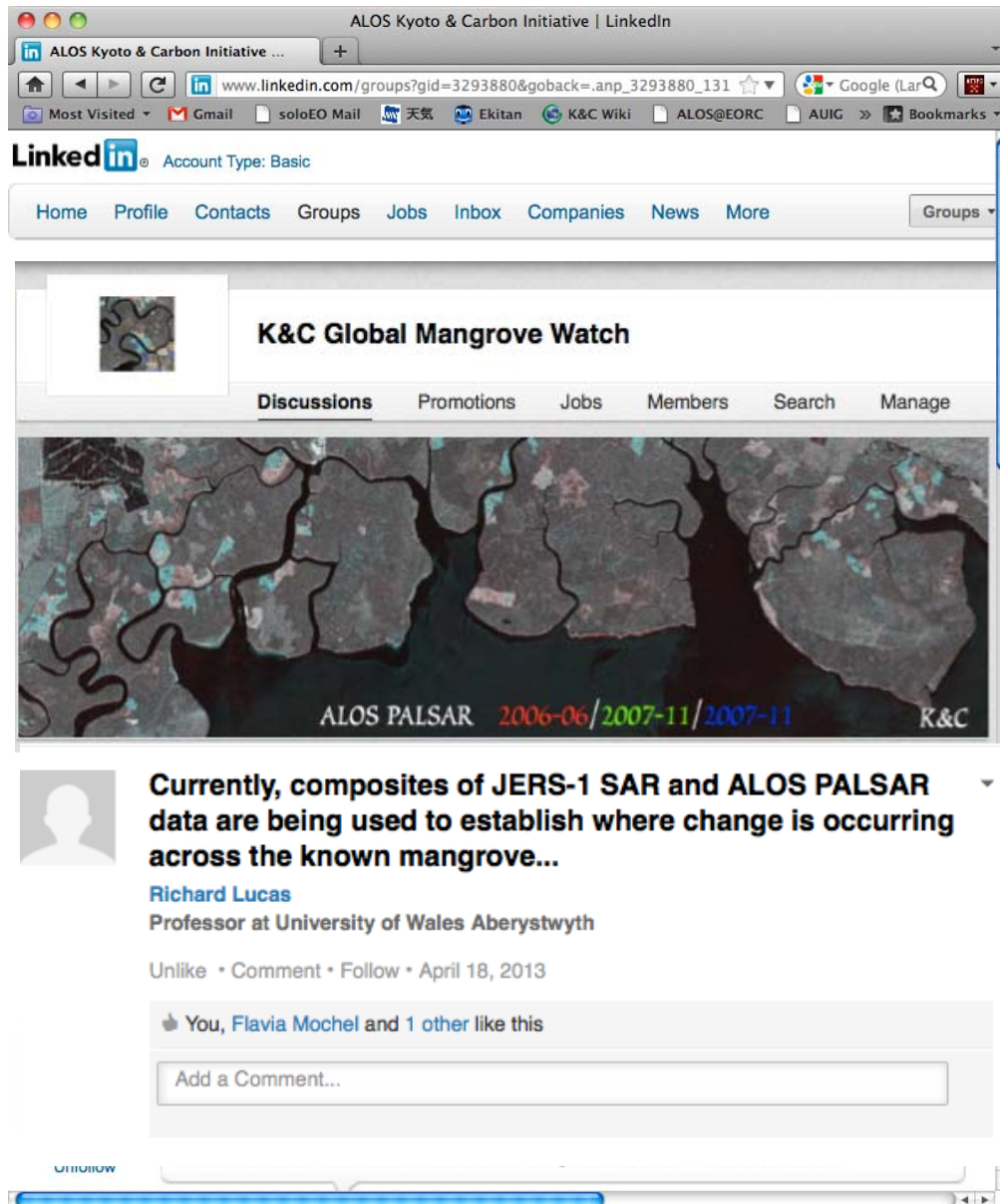
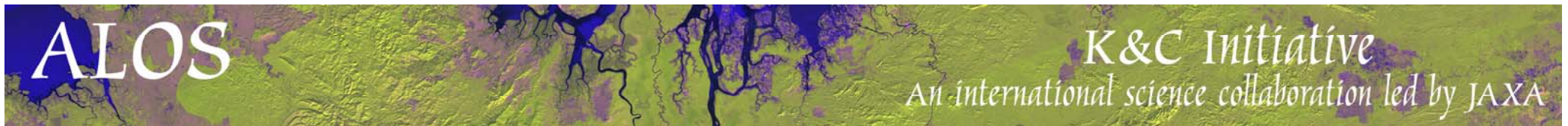


Interest group on the [LinkedIn](#) network with news on publications and other events.

Aim to disseminate K&C info to broader community.
250 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



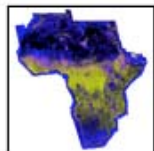
Group name:
K&C Global Mangrove Watch

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

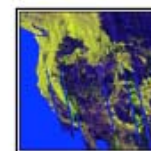
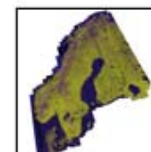
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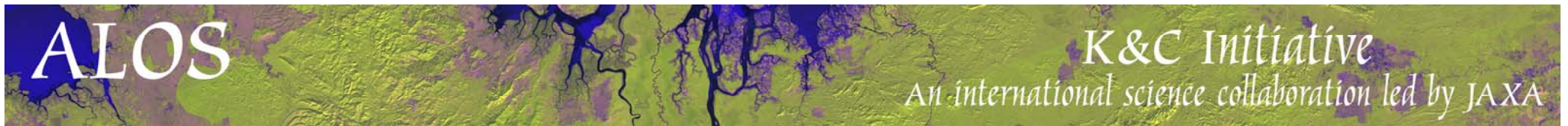
ALOS

K&C Initiative
An international science collaboration led by JAXA



Project information resources (project team access)





From: K&C Wiki [mailto:donotreply@wordpress.com]
Sent: Friday, January 15, 2016 12:43 AM
To:
Subject: ake invited you to become an author on K&C Wiki

ake invited you to become an author on K&C Wiki



ake has invited you to author [K&C Wiki](#). As an author you will be able to publish and edit your own posts as well as upload media.

Dear K&C Science Team members and EORC colleagues:

This is an invitation to the new K&C Wiki, which is means for us K&C members to access project-related information and to publish and exchange our research results. The K&C Wiki is hosted by Wordpress at <https://kcwiki.wordpress.com/>

Accepting this "author" invitation (and creating a Wordpress account, unless you already have one) will enable you to view the K&C Wiki and publish your own posts. Please join!

Best regards,
Ake

To accept this invitation you will need to:

1. Signup for a [WordPress.com account](#). You can also sign in with your existing [WordPress.com](#) account if you already have one.
2. [Accept Invitation](#)

Small print: This message was sent by a [WordPress.com](#) user who entered your email address to invite you. You can [unsubscribe](#) if you'd prefer not to receive invitation emails in future. Please do not reply to this message; it was sent from an unmonitored email address. For help with [WordPress.com](#), please visit <http://wordpress.com/support>.

Trouble clicking? Copy and paste this URL into your browser:

https://wordpress.com/accept-invite/?action=wpcom-invite-users&key=7a2baac5e7de2ec6cb888bd62f057a20&blog_id=91392506

Thanks for flying with WordPress.com

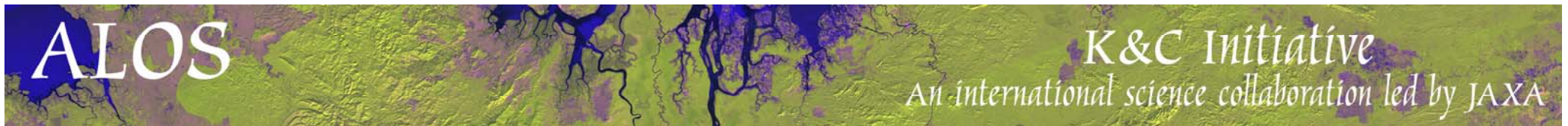
Project info resources

New K&C Wiki
Hosted by WordPress

Main place for sharing of info
from the K&C secretariat.
Keep an eye on it!

<https://kcwiki.wordpress.com/>

Log in ID and password:
Please respond to the invitation
from WordPress (posted jan 15)



K&C Wiki

Blog for K&C members

MEETINGS

THEMES

K&C PUBLICATIONS LIBRARY

BACKGROUND



ALOS Kyoto & Carbon Initiative

[Leave a reply](#)

Dear K&C members:

This is the new K&C Wiki member site, which is replacing the old "Aber Wiki" as means for us to exchange results and information.

I would here like to take the opportunity to thank Richard Lucas and Pete Bunting for hosting the old K&C Wiki in Aberystwyth since 2007, and Pete Bunting for helping to set up this new K&C WordPress site. Much appreciated!

At the moment, this new K&C Wiki site has the following functions:

1. **[Meetings](#)**. Information about K&C Science Team meetings, relevant workshops or special sessions
2. **[K&C Publications Library](#)**. A place to search for and upload publications by the K&C team
3. **[K&C project information and results](#)** according to the Forest, Wetlands and Glacier Themes.

Project info resources

New K&C Wiki

Hosted by WordPress

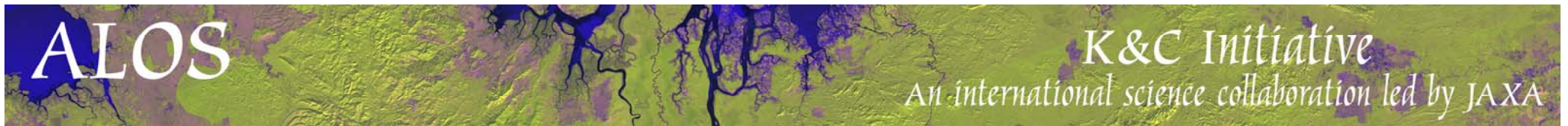
Main place for sharing of info
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K&C Wiki

Blog for K&C members

MEETINGS **THEMES** K&C PUBLICATIONS LIBRARY BACKGROUND



Themes

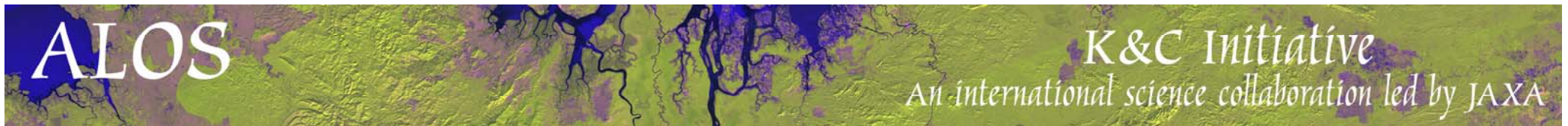
The K&C Initiative is focused around research relating to three specific thematic areas:

- [The Forest Theme](#)
- [The Wetland Theme](#)
- [The Glacier Theme](#)

This section is still empty, but should comprise short project descriptions by K&C members (click here to [start a new post](#)).

[Back to K&C top page](#)

[Edit](#)



K&C Wiki

Blog for K&C members

MEETINGS

THEMES

K&C PUBLICATIONS LIBRARY

BACKGROUND



K&C Publications Library

Publications relating to research undertaken, directly or indirectly, within the framework of the ALOS Kyoto & Carbon Initiative and the JERS-1 Global Rain Forest and Boreal Forest Mapping (GRFM/GBFM) project (as of Dec 2015, not comprehensive).

2015

Chapman, McDonald, Shimada, Rosenqvist, Schroeder and Hess. *Mapping Regional Inundation with Spaceborne L-Band SAR*. Remote Sensing, 2015, Vol. 7, 5440-5470. Doi:10.3390/rs70505440

Gardner, RC, Barchiesi, S, Beltrame, C, Finlayson, CM, Galewski, T, Harrison, I., Paganini, M, Perennou, C, Pritchard, DE, Rosenqvist, A, Walpole, M. *State of the World's Wetlands and their Services to People: A compilation of recent analyses*. Ramsar Briefing Note No. 7. 2015. Gland, Switzerland: Ramsar Convention Secretariat.

Hoekman D. and Reiche, J. *Multi-model radiometric slope correction of SAR images of complex terrain using a two-stage semi-empirical approach*. Remote Sensing of Environment, 2015, Vol. 156, pp. 1-10.

K&C reference Library on the K&C Wiki

Library of references to papers
relating to K&C and
GRFM/GBFM research

120+ references & PDFs from
Science Team 1996–2015

Please provide more!

Link to PDF?