



Climate R³ Workshop
24th-25th May 2012
Novatel Perth Langley Hotel
Perth, Australia

Draft Agenda * FOR DISCUSSION *****
Version 0.5-1 (27th April 2012)

APRSAF's Regional Readiness Review for Key Climate Missions (Climate R³) Pilot Phase Workshop was held in Sydney in July 2011 as a trial of the R³ coordination process. The objectives of the R³ initiative include: assessment of regional benefits of climate-related satellite missions; raising awareness of these benefits; emphasising applications of space-derived information; identification of future measures to enhance regional capacity and leverage global investment; and, development of appropriate recommendations.

This workshop will be organised around a small sample of important emerging or planned capabilities from satellite data. These capabilities relate to applications in precipitation, land cover, and agricultural monitoring. The workshop will bring together current and prospective data users from the region, and representatives from data supply agencies such as JAXA. The expected outcomes of the workshop are:

- an appreciation of the emerging satellite data streams for precipitation, land cover, and agricultural monitoring along with the current plans in developed countries for their exploitation and integration into national information services and applications;
- awareness of the regional representatives, the potential of these capabilities, and the plans to support national requirements;
- a dialogue on obstacles and opportunities for exploitation of the data streams in support of national systems and applications – ideally in the form of specific actions that could be carried forward within the APRSAF framework;
- new lines of communication between the data supply agencies and the regional user agencies;
- discussion on how the Climate R³ initiative might be sustained and expanded in coordination with the APRSAF SAFE initiative to emphasise the potential of space-derived data integrated with ground observation data and model in support of regional and national climate information requirements, and to establish APRSAF as the leading and effective body in this regard in the region; and
- specific follow-up actions and assignments.

Day 1 – Thursday 24th May – Introduction, Water, and Land Cover

08:30 – Convene

08:30 – Workshop Registration

09:00 – Welcome and Introduction

A. Lewis, Geoscience Australia

09:15 – Climate R³ Background, Context and Workshop Objectives

G. Dyke, for SPU

09:30 – Water Session Scene-setter and Key Datasets

B. Ebert/BOM

SPACE DATA CAPABILITIES (EMPHASIS on APPLICATIONS AND PRODUCTS)

09:45 – Key datasets and applications status and plans

GPM, GCOM-W and Multi-Satellite data sets – *K. Umezawa/JAXA*

Megha-Tropiques – *ISRO TBD*

10:30 – Break [15m]

CAPACITIES and ACTIVITIES in APRSAF COUNTRIES

10:45 – Australia – *B. Ebert/BOM (with inputs from L. Renzullo/CSIRO)*

11:00 – Pakistan – *G. Rasul/PMD*

11:15 – Mekong Basin Commission - *H. Suthy/MBC*

REGIONAL READINESS – WATER DATA & APPLICATIONS

11:30 – Discussion: opportunities and obstacles to data exploitation; relevant activities and frameworks; regional context; links to SAFE. Led by: *BOM Lead, G. Dyke*

12:15 – Precipitation Session Wrap-Up

BOM Lead

12:30 – Actions and Assignments

S. Ward/G. Dyke, for SPU

12:45 – Lunch [1h]

13:45 – Land Cover Session Scene-setter

M. Thankappan/GA

14:00 – Global Forest Observation Initiative Overview and Status

A. Held/CSIRO

SPACE DATA CAPABILITIES (EMPHASIS on APPLICATIONS AND PRODUCTS)

14:15 – Key datasets and applications status and plans

Summary Presentation (incl Landsat, Sentinel-1 and -2, CBERS)

M. Thankappan/GA

ALOS/ALOS-2 and GCOM-C – *K. Umezawa/JAXA*

RESOURCESAT-2 – *ISRO TBD*

CAPACITIES and ACTIVITIES in APRSAF COUNTRIES

15:00 – Australia – *S. Reddy/DCCEE, M. Thankappan/GA*

Potential Regional Data Coordination Hub in support of GFOI and/or Agricultural Monitoring

15:45 – AusAID – *D. Platzen/AusAID*

15:15 – Indonesia – *R. Dewanti/LAPAN*

15:30 – Vietnam – *D.T. Vu/FIPI (TBC)*

16:00 – Break [15m]

REGIONAL READINESS – LAND COVER DATA & APPLICATIONS

16:15 – Proposed Resolution on APRSAF Data Coordination

S. Ward

16:30 – Discussion: opportunities and obstacles to data exploitation; relevant activities and frameworks; regional context; links to SAFE. Led by: *GA/DCCEE Lead(s), G. Dyke*

17:30 – Land Cover Session Wrap-Up

GA/DCCEE Lead(s)

17:45 – Actions and Assignments

S. Ward/G. Dyke, for SPU

18:00 – Adjourn

Day 2 – Friday 25th May – Agriculture/Food Security and Closing

08:30 – Convene

08:30 – Day 1 Recap and Objectives for Day 2

G. Dyke, for SPU

08:45 – Agriculture Monitoring and Food Security Scene-setter

Space Data Capabilities covered during Land Cover session

A. Held/CSIRO

CAPACITIES and ACTIVITIES in APRSAF COUNTRIES

09:15 – Activities in India and GEOGLAM

J.S. Parihar/ISRO

09:45 – Japanese Activities

S. Sobue/JAXA

10:00 – Australian International Food Security organisation

M. Nicholson/ABARES -

10:15 – Indonesia – *M. Sarwani/MOA*

10:30 – Australia – *M. Grundy/CSIRO (TBC)*

10:45 – Break [15m]

REGIONAL READINESS – AG. MON./FOOD SEC. DATA & APPLICATIONS

11:00 – Discussion: opportunities and obstacles to data exploitation; relevant activities and frameworks; regional context; links to SAFE. Led by: *CSIRO Lead, G. Dyke*

11:30 – Discussion on Proposed Resolution on APRSAF Data Coordination

12:00 – Agriculture Monitoring Actions and Assignments

S. Ward/G. Dyke, for SPU

CLOSE & THANKS TO PARTICIPANTS

12:15 – R³ Workshop Close and Thanks

J. Andrews, Space Policy Unit (SPU), DIISR Australia

12:30 – Adjourn