

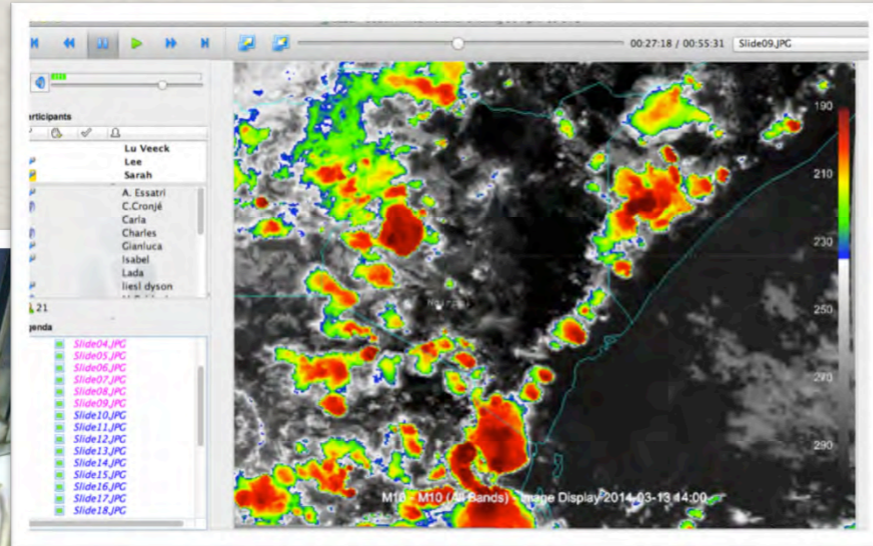
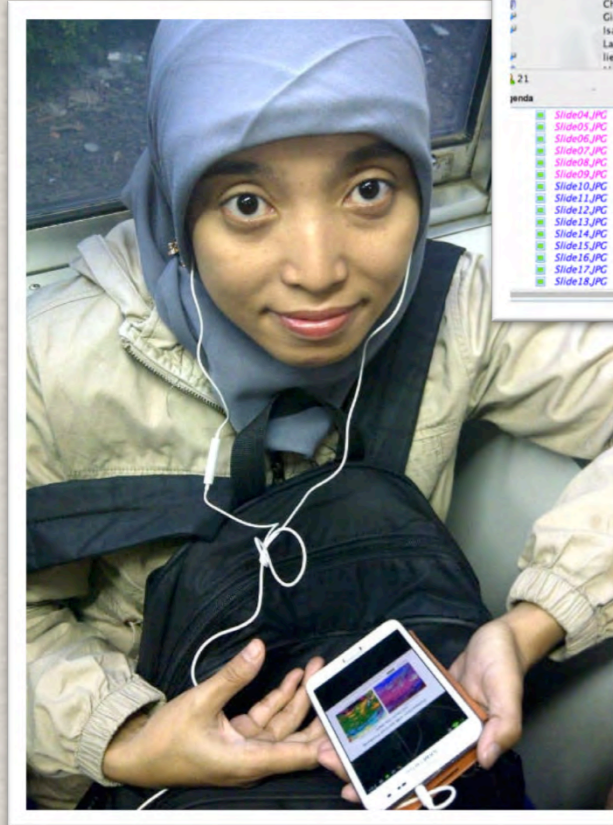
VLab Status and Plans





Main Achievements

Since CGMD-41 2013



Reports submitted by the VLab Centres of Excellence (CoEs) show a great increase in the number of training opportunities offered in the period from Sept 2012 to Dec 2013 when compared with the previous years. This trend was led mainly by an increase in the training offered online.



Main Achievements

Since CGMD-41 2013

Summary of Annual Reports – VLab Centres of Excellence Period: Sept 2012 to Dec 2013



Countries that participated in VLab training events in this reporting period.

Type of Event	Number of Events	Number of participants
Classroom courses	51	892
Online courses	38	881
Blended courses*	2	49
RFG sessions	32	808
Event Weeks**	9	877
Total***	130	3507

* Courses including classroom and online components;

** Event Weeks have a series of online sessions within a week;

*** Numbers exclude events offered by CoE Beijing, as this data is not yet available.



Main Achievements

Since CGMD-41 2013

Major Training Opportunities – 2013

Virtual Round Table on Competence Requirements for Aeronautical Meteorological Personnel

This was a series of online events covering the information on the new WMO regulations on Aviation Meteorology Competency and related matters.

The events were presented in English, Spanish, French, Russian and Portuguese.





Main Achievements

Since CGMD-41 2013

Event	Date	Registered	Attended live
VRT - English	27 March 2013	103 40 countries All WMO-RA	34 connections 24 countries WMO-RA: I, II, III, IV, VI
VRT - Spanish	8 May 2013	110 21 Countries WMO-RA: I, II, III, IV, VI	34 connections 12 countries WMO-RA: III, IV, VI
VRT - French	15 May 2013	42 25 countries WMO-RA: I, III, IV, VI	45 participants 16 countries WMO-RA: I, III, IV, VI
VRT - Russian	5 June 2013	47 5 countries WMO-RA: II, VI	37 connections 4 countries WMO-RA: II, VI
VRT - Portuguese	2 October 2013	83 7 countries WMO-RA: I, III, IV, VI	27 connections 5 countries WMO-RA: III, IV, VI
VRT – English (version II)	24 September 2013	123 54 countries All WMO-RA	41 connections 31 countries WMO-RA: I, II, III, IV, VI
VRT – French (version II)	26 September 2013	43 22 countries WMO-RA: I, III, IV, V, VI	20 connections 11 countries WMO-RA: I, III



Main Achievements

Since CGMD-41 2013

Major Training Opportunities – 2013

Virtual Round Table on Competence Requirements for Aeronautical Meteorological Personnel

In total, 551 registrations to participate in the online sessions were received from 87 countries.

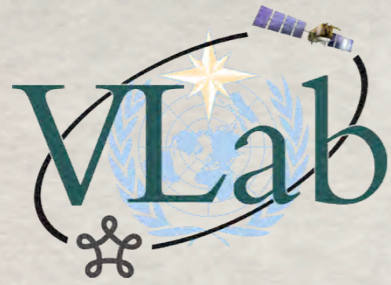
More than 250 participants from 60 countries attended the live sessions.

Resources available at VLab website

<http://www.wmo-sat.info/vlab/virtual-table/>

**Countries Reached by the VRT
(live attendance)**





Main Achievements

Since CGMD-41 2013

Major Training Opportunities - 2013:

GEONETCast Event Week

This event was organized as a follow-up to the WMO NOAA Train the Trainer Workshop on GEONETCast in April 2013 and in response to the WMO users' survey.

Topics included:

- an introduction to the capabilities of GEONETCast,
- disaster mitigation products,
- software to view products.

Event:	GEONETCast Event Week
Date:	3-5 December 2013
Organized by:	VLab CoEs Argentina, Barbados, Brazil, Costa Rica, CIRA, NOAA and WMO
Online sessions:	Six
Languages:	Spanish and English
Participants:	111 participants 29 countries

Resources are available in English and Spanish at:

http://rammb.cira.colostate.edu/training/rmtc/geonetcast_event_en.asp - for English

http://rammb.cira.colostate.edu/training/rmtc/geonetcast_event_sp.asp - for Spanish



Main Achievements

Since CGMD-41 2013

Major Training Opportunities - 2013:

Science Week 2013

This training week consisted of nineteen online sessions focusing on the latest developments in meteorological science.

Presenters from BMTC, JMA, Met Service New Zealand, South African Weather Service and the National Weather Service of the USA discussed topics such as: Preparation for Himawari 8/9, Volcanic ash and dust

Event:	Science Week
Date:	22-26 July 2013
Initiative:	CoE Australia
Online sessions:	nineteen
Attended live:	17-29 attendees per session 8 countries

monitoring with geostationary satellites, Diagnosing hazard using satellite imagery, and many more.

Resources available at
<http://www.virtuallab.bom.gov.au/archive/science-week/science-week-presentations>



Main Achievements

Since CGMD-41 2013

Major Training Opportunities - 2013:

Aviation Week

This training event comprised 9 sessions and covered three aspects of aeronautical meteorological activities: organizational and regulatory aspects, operational aspect, and development and modelling aspect.

Experts from VLab CoEs Morocco, Barbados and Australia provided the training in this event.

Event:	Aviation Week
Date:	11-15 November 2013
Initiative:	CoE Morocco
Online sessions:	nine
Languages:	French and English
Attended live:	65 meteorologists 14 countries

Resources available at
<http://training.eumetsat.int/course/view.php?id=213>



Main Achievements

Since CGMD-41 2013

Major Training Opportunities - 2013:

Conceptual Models for the Southern Hemisphere

February 2013 - March 2014

- ❖ To collect, create and share resources about CMs for Southern Hemisphere.
- ❖ To increase the operational forecasters' understanding of the weather systems with the help of CMs.



Four VLab Centres of Excellence were involved in the Project.



Main Achievements

Since CGMD-41 2013

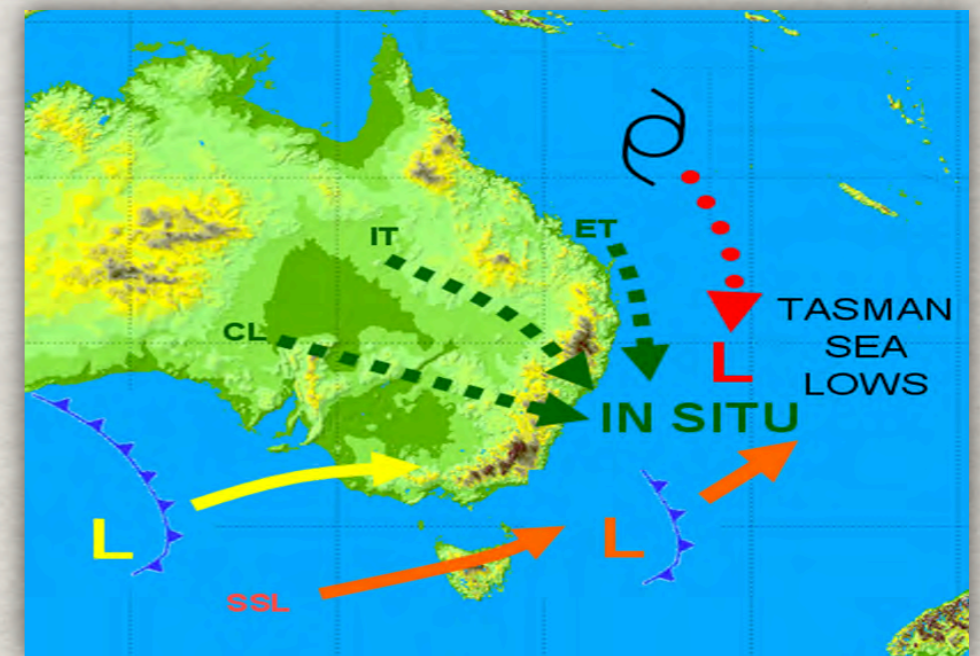
Major Training Opportunities - 2013:

Conceptual Models for the Southern Hemisphere

February 2013 - March 2014

Project deliverables:

1. A comprehensive list of existing literature (complete),
2. A quick-look collection of interesting CM cases (complete),
3. Some fully developed CMs, in SATMANU style (final revision).



Resources available at VLab website
<http://www.wmo-sat.info/vlab/conceptual-models-southern-hemisphere/>



Main Achievements

Since CGMD-41 2013

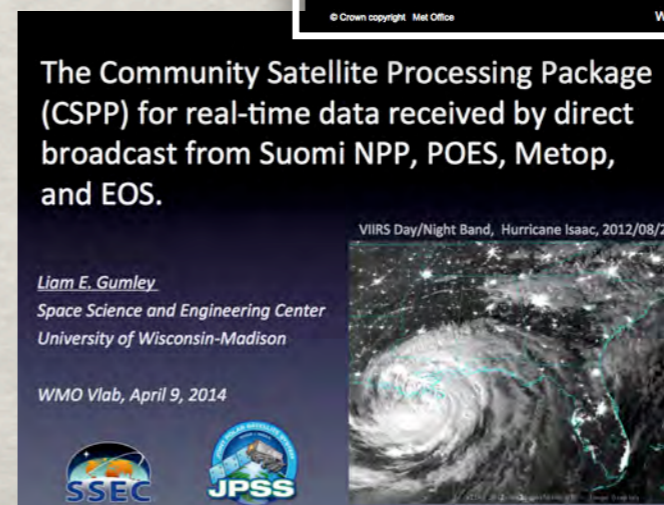
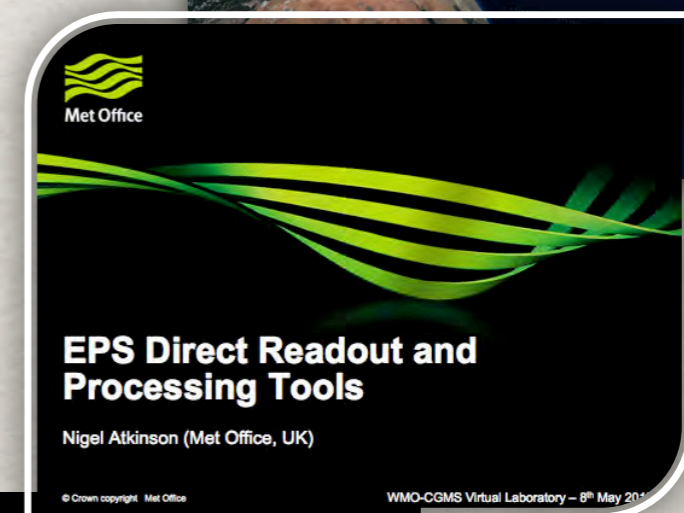
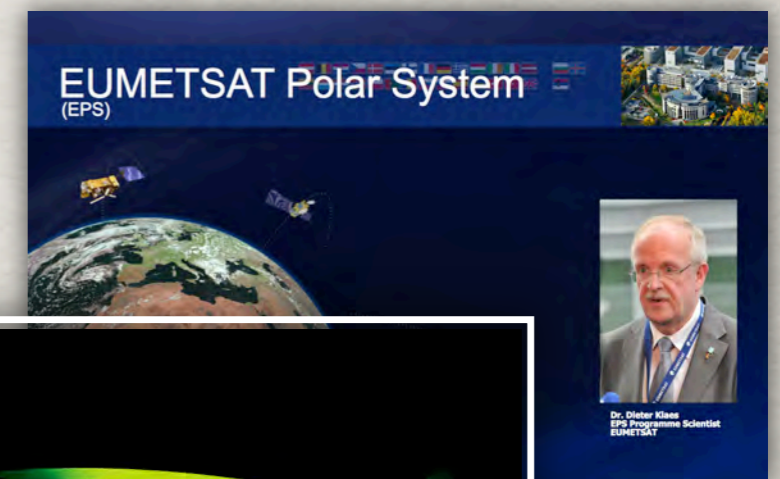
Major Training Opportunities - 2014:

Satellite Direct Readout Events

This is a series of online events about the direct readout capabilities of polar orbiting systems.

EUMETSAT started this series of events by presenting two sessions about the EPS/Metop in 2013.

NOAA followed with recent presentations last week, 8 and 9 April 2014.





Main Achievements

Since CGMD-41 2013

Major Training Opportunities - 2014:

Satellite Direct Readout Events

Session: Suomi NPP

Date: 8 April 2014

Presenter: Mitch Goldberg – NOAA,
USA

Session: CSPP software supporting
Suomi NPP

Date: 9 April 2014

Presenter: Liam Gumley – University
of Wisconsin-Madison, USA

Event:	Satellite Direct Readout
Date:	8 – 9 April 2014
Initiative:	VLab
Online sessions:	two
Registered*:	66 13 countries All WMO-RA
Attended live*:	78 participants 9 countries WMO-RA: II, III, IV, VI

* Numbers presented are the total for the 2 sessions.

Resources available at VLab website
<http://www.wmo-sat.info/vlab/satellite-direct-readout/>



Main Achievements

Since CGMD-41 2013

Coordination with Partner Programmes

World Wide Weather Briefing

This training week consisted of nine online sessions focusing on challenges that forecasters have to face around the globe. The presenters from Canada, USA, Brazil, Portugal, Oman, South Africa, Germany, Russia, South Korea and Australia guided the audience through the regional weather characteristics.

Event:	Precipitation Week
Date:	20-24 May 2013
Initiative:	EUMeTrain
Online sessions:	nine
Registered*:	814
Attended live*:	448 34 countries

* Numbers presented are the total for the 9 sessions.

Resources are available at
EUMeTrain website

http://www.eumetrain.org/events/www_briefing_2013.html



Coordination with Partner Programmes

- ❖ **WMO Train the Trainer Online Seminar for WMO RA I**
This online course started in March and will run for 10 weeks. VLab is collaborating in this event with course facilitators from CoEs Niger, Kenya and Morocco, and also from EUMETSAT and VLab office (TSO).
- ❖ **Joint COSPAR and WMO Capacity Building Workshop on Satellite remote sensing, water cycle and climates change**
This event will take place over two weeks, from 20 July to 1 August 2014, at Tver State University, Tver, Russian Federation. VLab is offering a set of training sessions organised by trainers from EUMETSAT and CoE Russian Federation.



Plans

Seventh Meeting of the VLab Management Group – VLMG-7

22 to 25 July 2014

Saint Petersburg, Russian Federation

- Hosted by: Russian State Hydrometeorological University (RSHU)
- Supported by: ROSHYDROMET





Sustainability

Concerns regarding support to VLab CoEs

Some VLab CoEs, while keeping up an impressive array of activities, face challenges both internally through reduction of staff and available capacity, and externally through reductions in support by the agreed sponsoring satellite operators.

Recommendation proposed:

CGMS members that are sponsors of VLab Centres of Excellence to review and where possible augment their support to these Centres, as per the “Procedure for establishing Virtual Laboratory Centres of Excellence for Training in Satellite Meteorology” (Section 2.2)

http://www.wmo-sat.info/vlab/wp-content/uploads/2012/02/Procedures-for-New-CoEs_LV2012.pdf



Sustainability

Status of the VLab Trust Fund

- Over the period 1 Sep 2013 to 28 Feb 2014 contributions by KMA, EUMETSAT and NOAA to the WMO VLab Trust Fund;
- No progress has been made in the total level and the diversity of funding by CGMS members, in spite of the request from CGMS and WMO Secretariats per Action 41.10 (CGMS/WMO letter sent in August 2013 with a call for contributions).

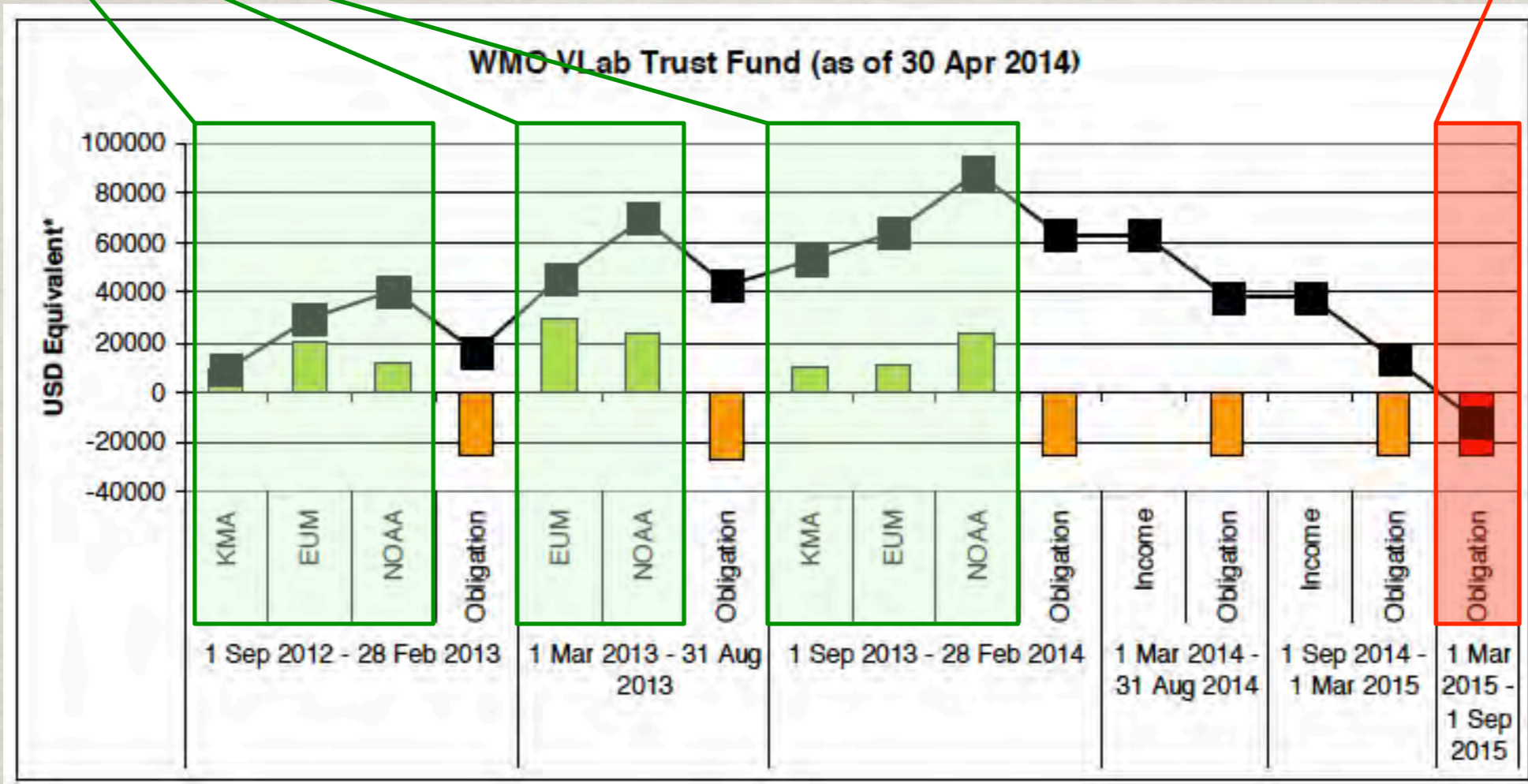


Sustainability

Status of the VLab Trust Fund

CGMS Member Contributions

Insufficient Funds on 1 Mar 2015





Sustainability

Status of the VLab Trust Fund

Currently, if no additional financial contributions are received, the Technical Support Officer cannot be supported out of the VLab Trust Fund beyond 1 March 2015.

Action proposed:

CGMS members to respond to the CGMS/WMO call for contributions letter sent in August 2013 regarding their support to the VLab Trust Fund.



Plans

Change in VLab co-chairmanship

Proposal by ROSHYDROMET

- New co-chair: Prof. Grigory Chichasov, Director of the WMO Regional Training Centre in the Russian Federation
- Assisted by: Mr Eduard Podgaiskiy from the Russian State Hydrometeorological University

Action Proposed:

CGMS is invited to designate Prof. Chichasov, proposed by ROSHYDROMET, as the new VLab co-chair replacing Dr Gärtner





Keeping up to date

Keep up to date with VLab Activities at

<http://vlab.wmo.int>

- ❖ Online Calendar of Events
- ❖ VLab News
- ❖ Regional Focus Groups
- ❖ Projects
- ❖ VLab Newsletter

