

# VLab Report of Activities for Supporting Agencies<sup>i</sup>

The Questions in this form should be answered based on the VLab activities of your Institution for the period from January to December 2015.

\*Required

## About the Institution

1. Please select your Institution from the list below. \*

<input type="checkbox"/>	Argentine National Commission for Space Activities - CONAE
<input type="checkbox"/>	Brazilian National Institute for Space Research - INPE
<input type="checkbox"/>	China Meteorological Administration - CMA
<input type="checkbox"/>	European Organisation for the Exploitation of Meteorological Satellites - EUMETSAT
<input type="checkbox"/>	Japan Meteorological Agency - JMA
<input checked="" type="checkbox"/>	Korea Meteorological Administration - KMA
<input type="checkbox"/>	Russian Federal Service for Hydrometeorology and Environmental Monitoring - ROSHYDROMET
<input type="checkbox"/>	United States National Oceanic and Atmospheric Administration's Environmental Satellite Data and Information Service - NOAA/NESDIS

2. Please select from the list below the Centre(s) of Excellence (CoEs) you directly support. \*

Please select all options that are relevant.

<input type="checkbox"/>	Argentina
<input type="checkbox"/>	Australia
<input type="checkbox"/>	Barbados
<input type="checkbox"/>	Brazil
<input type="checkbox"/>	China – Beijing
<input type="checkbox"/>	China – Nanjing
<input type="checkbox"/>	Costa Rica
<input type="checkbox"/>	Kenya
<input type="checkbox"/>	Morocco
<input type="checkbox"/>	Niger
<input type="checkbox"/>	Oman
<input checked="" type="checkbox"/>	Republic of Korea
<input type="checkbox"/>	Russian Federation

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<sup>i</sup> This template is based on the online form available at <http://goo.gl/forms/b804CRAr4K>

South Africa

3. What were the major achievements in supporting VLab CoE(s) during this reporting period? \*

- receiving the Himawari-8 raw data through the HimawariCloud and provide the 16 chs' images, IR and VIS composite image and true colour RGB image every 10 minutes for 4 areas(Global, East Asia, Korean Peninsula, Typhoon monitoring area).

4. What were the main difficulties in supporting VLab CoE(s) during this reporting period? \*

- There's time latency of about 15 minutes from the start time to receive the Himawari-8 data via Himawaricloud. As a result of our monitoring of Himawaricloud, segment data of Himawari-8 was started to upload after 8 minutes from the observation start time and ended after 13~15 minutes for the whole 10 segments of Himawari-8 data. The uploaded order of 10 segments is not in regular series. Therefore we can download and produce images after getting the whole 10 segments.

5. Does this institution have a webpage dedicated to explain its involvement and support to VLab (as indicated in the document "VLab Expectations from Satellite Operators)? \*

Yes  
 No

If "Yes" was selected from the question above, please provide the URL to access the webpage

<http://nmsc.kma.go.kr>

The webpage in Korean has more contents than that in English.

# About Training

6. Is any kind of Learning Management System used by your institution to conduce training activities? \*

<input type="checkbox"/>	Moodle
<input type="checkbox"/>	Edmond
<input type="checkbox"/>	ConnectEDU
<input checked="" type="checkbox"/>	Learning Management System is not used
<input type="checkbox"/>	Other: If other System is used, please write the system's name.

7. Can the CoE(s) supported by your institution request to use your Learning Management System in their VLab training events? \*

<input type="checkbox"/>	Yes
<input type="checkbox"/>	No
<input checked="" type="checkbox"/>	Learning Management System is not used

Please use the space below to provide any additional comments regarding Question 7 \*

The KMA has the internal online conference system for internal KMA staffs and other government users.

8. Is any kind of Online Conferencing System used by your institution to conduce training activities? \*

<input type="checkbox"/>	Saba Centra
<input type="checkbox"/>	Blackboard Collaborate
<input type="checkbox"/>	GoTo (Webinar, Meeting)
<input type="checkbox"/>	Cisco Webex
<input type="checkbox"/>	Online Conferencing System is not used
<input checked="" type="checkbox"/>	Other: KMA has internal online conference system for domestic users If other System is used, please write the system's name.

9. Can the CoE(s) supported by your institution request to use your Online Conferencing System in their VLab training events? \*

√	Yes
	No
	Learning Management System is not used

Please use the space below to provide any additional comments regarding Question 9 \*

The KMA feel the need to have video conferencing system for domestic and foreign users.

However, It's a little difficult situation in reality to construct online conferencing system due to budget.

Therefore, we're planning to use the GoTo(Webinar) through cooperation with Australian CoE such as jointly hosting the RFG meeting.

10. Please list any training resource your institution has developed over this reporting period \*

For each Training Resource please include: 1) Title of Training Resource, 2) Type of resource (e.g. text book, video, Moodle course, PowerPoint slides, recorded lecture, etc) and 3) Availability of resource (can be shared, institutional use only).

1. Title : understanding of Himawari-8 data and its usage to nowcasting

2. Type : ppt slides and recorded lecture(in Korea)

3. Institutional use only due to Korean. However we can share the event cases such as heavy rainfall, fog, dust around the Korean Peninsular as a form of image or animation

11. What sort of training resources would your institution be interested in borrowing from other satellite operators, CoEs or training programmes, to adapt and reuse? \*

If your institution is not interested in adapting and reusing training resources, please indicate reasons.

1. RFG meeting recording files in Australian CoE especially the use of RGB products from Himawari-8

2. Training system and its usage such GoTo (Webinar), Moodle

## About VLab collaboration

12. Is this institution working closely together with the sponsored CoE(s) in VLab training activities? \*

<input checked="" type="checkbox"/>	Yes
<input type="checkbox"/>	No

Please comment on the answer above and, if applicable, suggest ways to improve collaboration \*

13. Do you maintain regular contact with the other VLab Supporting Satellite Operators/Agencies to discuss data access and format issues as well as training needs to improve the use of satellite data and products? \*

<input checked="" type="checkbox"/>	Yes
<input type="checkbox"/>	No

Please comment on the answer above and, if applicable, suggest ways to improve collaboration \*

We have close relation with JMA to successful receiving of Himawari-8 data and it's Level 2 products.

14. What sort of support would you like to receive from other Supporting Satellite Operators/Agencies, CoEs, WMO Space Programme, VLab Co-chairs and TSO? \*

Sharing training resources such as analysing skills, new technology, and online training system.  
Support or run the international training course to make professional trainers

15. What sort of support could you offer to other Supporting Satellite Operators/Agencies, CoEs and WMO Space Programme? \*

This could be any kind of support. For example: collaborate in RFG sessions organised by other CoEs, organise joint training events in a particular subject, or any other support/collaboration you think the CoE could offer.

The KMA can share our COMS observation Level 1 data and event cases if there's request.  
Exchange of trainers or inviting trainers to run the international education and training course.  
Jointly hosting the RFG meetings 2 times a year with Australian CoE based on the collaboration between KMA and BOM.

## Training Events organised in 2015

Please prepare a table containing all training events organised by your institution during this reporting period.

If you have submitted your events to the VLab Online Calendar, all you need to do is to download your report (CSV/Excel spread-sheet) directly from there. If the institution had conducted other training events considered as part of its VLab activities, that for some reason were not submitted to the Online Calendar, please add them to the spread-sheet downloaded from the Online Calendar.

In the case the institution has not submitted the training events to the Online Calendar, please complete the table below with the information required.

The table/spread-sheet containing the training events organised by the institution in 2015 should be sent to the VLab TSO by email at [luveeck@gmail.com](mailto:luveeck@gmail.com)

By selecting this option I confirm that a table/spread-sheet containing the information about training events organised by this institution (as requested above) will be sent by email to the VLab TSO by the 30th of April 2016 (at the latest).

### Example of Table of Events

Date	Title of Event	Location	WMO Region	Host	Type (online, classroom, blended, RFG)	Language	Number of trainees	Country of origin of trainees
1.-7. March (7days)	Management training course as part of project for 『 Establishment of Communications, Ocean & Meteorological Satellite Data Analysis System in the Philippines』	Jincheon	RA II	NMSC	classroom	English	8	Philippines
31. May~13. June (2weeks)	Satellite data analysis course as part of project for 『 Establishment of Communications, Ocean & Meteorological Satellite Data	Jincheon	RA II	NMSC	classroom	English	10	Philippines

	Analysis System in the Philippines』 (management course)							
7.~27., June (3weeks)	International training course on weather forecasting for operational meteorologists	Seoul	RA II	KMA	classroom	English	12	Cambodia, Laos, Mongolia, Myanmar, Uzbekistan, Vietnam, Ethiopia, Qatar (8 countries)
1. June	Understanding of Himawari-8/9 data and its effective usage	NMSC	RA II	NMSC	classroom	Korean	71	KMA forecasters and staffs in NMSC
16~29 July (2 times per week)	Understanding of Himawari-8/9 data	NMSC	RA II	NMSC	offline	Korean	132	KMA forecasters