

**RA-3-4-SDR Teleconference (19th)**  
**21 Mar 2016, 15.00-16.00 UTC**

Attendees:

Luiz Machado (INPE)  
 Diego Souza (INPE)  
 Bryan Thomas (Trinidad and Tobago)  
 Shem Willie (Saint Lucia)  
 Angelica Gutierrez (NOAA)  
 Estela Collini (SMN Argentina)  
 Paul Seymour (NOAA)  
 Shem Willie (Saint Lucia)  
 Venantius Descartes (Saint Lucia)

Apologies:

Sally Wannop (EUMETSAT)  
 David Bradley (Canada)

**1. Action status**

**ACTION 3.2: Group (Estela, Jorge, Luiz) to work with Glendell de Souza on an Annex to the roadmap, which would be more specific about typical receiving system configurations and terms of reference, and thus provide guidance to countries in developing their system specifications. By 15 January 2016. CLOSED – replaced by new ACTION 4.1**

Luiz Machado provided the results from the regional survey:

Do you intend to buy a GOES-R/ JPSS Direct Readout Station? When do you intend to buy it? If you do not, what is the expected solution?						
ID #	Q1A - Country	Q1B - Organization	Q14A (JPSS)		Q15A (GOES-R)	
			Yes	No	Yes	No
1	Antigua and Barbuda	Meteorological Services				
2	Argentina	Comisión Nacional de Actividades Espaciales - CONAE				
3	Argentina	Facultad de Agronomía de Buenos Aires		X		X
4	Argentina	Servicio de Hidrografía Naval	X			X
5	Argentina	Servicio Meteorológico Nacional - SMN	X		X	
6	Argentina	Unidad de Geociología de IANIGLA - CONICET		X		X
7	Aruba	Departamento Meteorológico Aruba		X		X
8	Barbados	Caribbean Institute for Meteorology and Hydrology		X		X
9	Belize	National Meteorological Service		X	X	
10	Bolivia	Servicio Nacional de Meteorología e Hidrología - SENAMHI		X		X
11	Brazil	Instituto Nacional de Meteorología - INMET		X	X	
12	Brazil	DSA - CPTEC	X		X	
13	Canada	Meteorological Service of Canada	X		X	
14	Cayman Islands	National Weather Service		X	X	
15	Chile	Dirección Meteorológica de Chile	X		X	
16	Chile	Universidad de la Serena	X		X	
17	Colombia	Corp. Cent. de Inv. Cient. del Río Magdalena Alfonso Palacio Rudas - CIRMag		X		X
18	Colombia	Dirección Técnica Ambiental		X		X
19	Costa Rica	Instituto Meteorológico Nacional			X	
20	Ecuador	Instituto Nacional de Meteorología e Hidrología		X	X	
21	El Salvador	Ministerio de Medio Ambiente y Recursos Naturales – MARN		X		X
22	Guyana	National Weather Watch Centre				
23	Mexico	Agencia Espacial Mexicana		X		X
24	Mexico	Instituto de Ciencias del Mar y Limnología - UNAM				
25	Paraguay	Dirección de Meteorología e Hidrología - DINAC		X	X	
26	Peru	Servicio Nacional de Meteorología e Hidrología - SENAMHI		X	X	
27	Saint Lucia	Saint Lucia Meteorological Services	X		X	
28	St. Kitts and Nevis	St. Kitts Meteorological Services				
29	St. Vincent and the Grenadines	E.T. Joshua Airport				X
30	Trinidad and Tobago	Trinidad and Tobago Meteorological Service	X		X	
31	Uruguay	Universidad de la República		X		X
		<b>Total</b>	<b>8</b>	<b>16</b>	<b>14</b>	<b>12</b>
		<b>Total (%)</b>	<b>26</b>	<b>52</b>	<b>45</b>	<b>39</b>

Q14A			
Country	Organization	ID #	Comments
Antigua and Barbuda	Meteorological Services	1	Will attempt to acquire the most cost-effective solution
Argentina	Comisión Nacional de Actividades Espaciales - CONAE	2	Probably will be purchased, but not planned for now
Argentina	Servicio de Hidrografía Naval	4	Yes, we're in the process of the acquisition of receiving systems for ships
Argentina	Servicio Meteorológico Nacional - SMN	5	Yes, we're in the purchase process. In principle we'll receive NPP, TERRA, AQUA, NOAA and METOP data
Aruba	Departamento Meteorológico Aruba	7	No, we'll use UCLAR LDM
Barbados	Caribbean Institute for Meteorology and Hydrology	8	No. It may depend on future cost and regional and international support
Bolivia	Servicio Nacional de Meteorología e Hidrología - SENAMHI	10	No, we'll use information available on-line
Brazil	Instituto Nacional de Meteorologia - INMET	11	Yes, our station is enabled for receiving this data
Canada	Meteorological Service of Canada	13	Yes, we're already prepared as are receiving NPP
Chile	Universidad de la Serena	16	Yes. We would like to know the characteristics of the station and then propose the purchase to the university
Colombia	Dirección Técnica Ambiental	18	No. We're going to use GEONETCast
Ecuador	Instituto Nacional de Meteorología e Hidrología	20	No. We use GOES
El Salvador	Ministerio de Medio Ambiente y Recursos Naturales - MARN	21	No, we do not have enough information about it
Saint Lucia	Saint Lucia Meteorological Services	27	Yes, within the next 5 years if budget allow

Q15A			
Country	Organization	ID #	Comments
Antigua and Barbuda	Meteorological Services	1	Not sure if we can at this point
Argentina	Comisión Nacional de Actividades Espaciales - CONAE	2	Under consideration
Argentina	Servicio Meteorológico Nacional - SMN	5	Yes, in 2016-2017 we will update our GVAR system to GRB
Aruba	Departamento Meteorológico Aruba	7	No, it's too expensive
Barbados	Caribbean Institute for Meteorology and Hydrology	8	No, it depends on depends on the cost considerations
Bolivia	Servicio Nacional de Meteorología e Hidrología - SENAMHI	10	No, we will use information available on-line
Canada	Meteorological Service of Canada	13	Yes, expect to install it on 2016
Cayman Islands	National Weather Service	14	Yes, investigating the possibility
Chile	Universidad de la Serena	16	Yes, if necessary we need to evaluate that option
Colombia	Dirección Técnica Ambiental	18	No, we plan to receive it through GEONETCast
Costa Rica	Instituto Meteorológico Nacional	19	Yes, in year 2016
Ecuador	Instituto Nacional de Meteorología e Hidrología	20	Yes, we will buy it when there are financial support
El Salvador	Ministerio de Medio Ambiente y Recursos Naturales - MARN	21	No, there are no funds assigned and we do not know the final satellite position
Guyana	National Weather Watch Centre	22	Will have to see how the present equipment can be used, then consider purchasing
Paraguay	Dirección de Meteorología e Hidrología - DINAC	25	Yes, after knowing the final satellite position
Peru	Servicio Nacional de Meteorología e Hidrología - SENAMHI	26	Yes. We would like to buy a direct readout station, but we do not know how much it will cost. Receiving the data through GEONETCast-Americas would be a solution
Saint Lucia	Saint Lucia Meteorological Services	27	Yes. Purchasing would depend on the availability of funding
Uruguay	Universidad de la Republica	31	No, we'll use internet download, ftp or http

**ACTION 4.1: Luiz, Diego and Glendell to target all countries in RA III and IV to come up with detailed specifications for each country (antenna siting, connectivity, storage solutions, country-specific circumstances) and to convey this information to potential vendors, such that they can propose tailored solutions to countries before a face-to-face meeting of the Group. By 31 May 2016.**

Glendell pointed out that all countries are different (siting, connectivity, weather circumstances, storage solutions, ...); countries all need to investigate the possibilities e.g., by having potential vendors present to them country-specific solutions and price tags. Glendell could facilitate this if necessary, but some country-specific circumstances are currently unknown to him. Paul Seymour offered his support to identify the details of receiving stations in countries.

How much time is needed for this? Contacting focal points, raising awareness among PRs and decision-making, summarizing results, then it takes 1-2 months for companies to inform all countries in the region.

Four basic possibilities to access GOES-R data: GRB, GEONETCast-Americas, internet (through the PDA or otherwise), bilateral distribution. HRIT/EMWIN is another option to access some low-resolution or graphic imagery.

Scheduled launch date of GOES-R is 14 October 2016.

**ACTION 3.3: Task Team on Data Distribution to include guidance on continuity of DCS reception in the roadmap. OPEN.**

Paul and Kay Metcalf to distribute details on DCS and continuity with GOES-R.

**ACTION 3.4: Paul Seymour to inform the Group about status of the GOES-15 satellite. By: 15 January 2016. CLOSED.**

GOES-15 is operational, performing well, however its star tracker is down, and there are no further efforts to recover it.

## **2. Plans for next face-to-face meeting**

A 2.5-day meeting associated with a 1 to 1.5-day training event is currently envisaged. Details of the training event yet need to be developed.

The week of **29 Aug – 2 Sep 2016** is possible for all participants.

## **3. AOB**

Clarification is required to the objectives of a possible training event associated with the face-to-face meeting. S. Bojinski made clear that the first priority of the meeting is on deciding on satellite reception system solutions for each county; detailed briefings on the various data receiving mechanisms and data/products should be part of the meeting. Only if time and budget allow, a training event could be envisaged. The NOAA Satellite Conference 2017 (currently scheduled for early June) would be the next opportunity for such an event for the Region.