



Summary of Lead Center Chile, activities and results during 2012-2013

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AR III South America

CBS Lead Center for Regional Association
III since 2006

with the aim of monitoring the performance
of GCOS network in South América



Summary of Chile Lead Center activities and results in year 2012-13

- A number of silent or deactivated stations have been removed from the bulletin. The updated regional GCOS station was a result previous report. Argentine has significantly increased the number of GCOS station, action that has to be seen as an example of what other countries should also contribute in order to improve the regional coverage. Venezuela increased in one more station. nowadays work with this manual
- Suriname possesses only one station and it is still listed as GCOS, this station is silent, there is not communication with the focal point.



Summary of Chile Lead Center activities and results in year 2012-13

Performance of the regional GNS

To analyze the performance of each country, an index was constructed using the information obtained DWD available monthly and annually through the internet. The concept of Received CLIMAT messages (CA), N° valid temperature reports (CT), Correct CLIMAT messages (CC) and N° of valid precipitation reports (CR) were used to evaluate each station by country, and then

$$Ind = \frac{\overline{CA} + \overline{CC} + \overline{CT} + \overline{CR}}{400}$$



Performance of the regional GNS

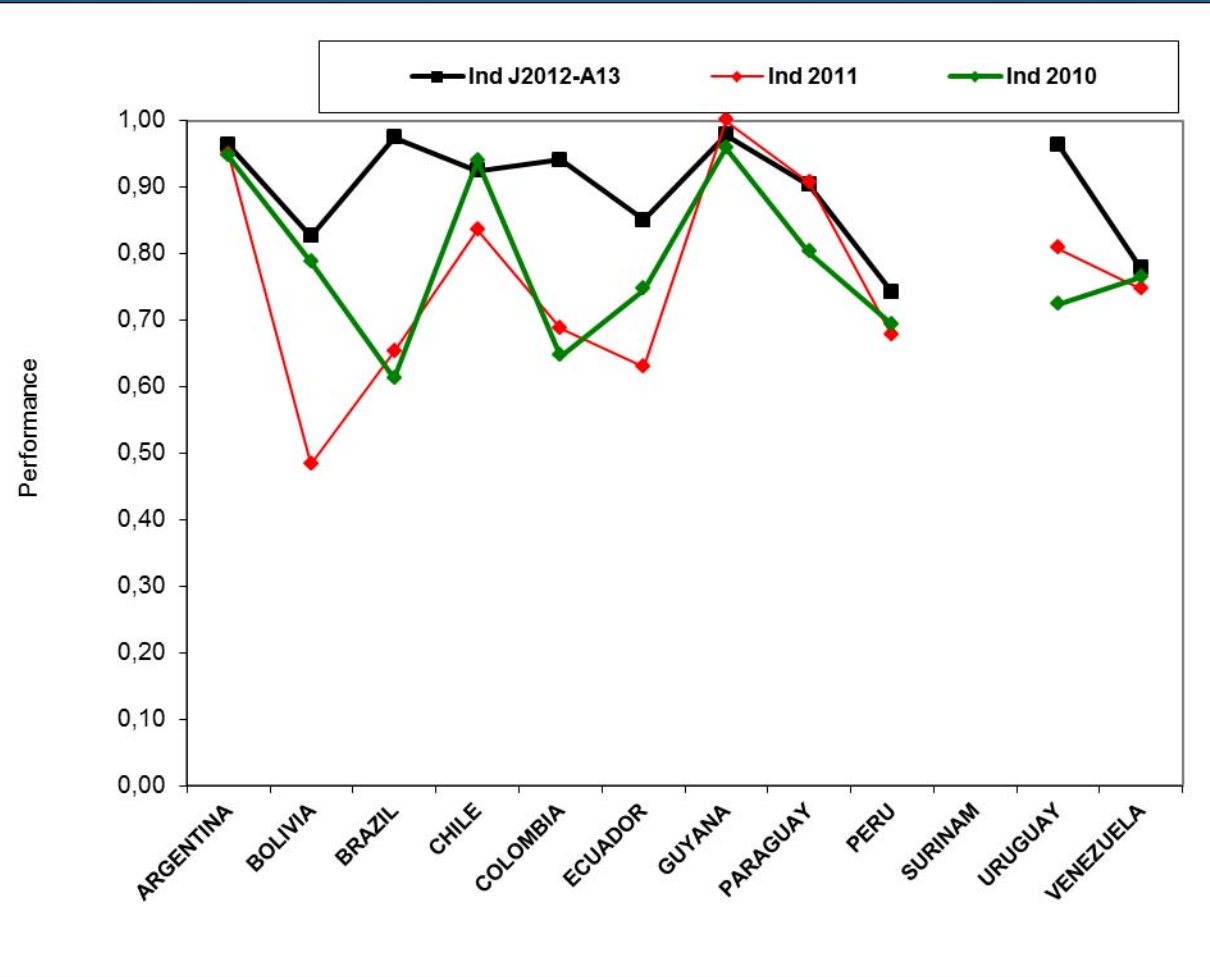
Country	N° stations	CA	CC	CT	CR	Ind
Argentina	23 (28)	1.0	0.9	1.0	0.9	0.95
Bolivia	10	0.8	0.7	0.8	0.8	0.80
Brazil	29 (18)	1.0	1.0	0.9	1.0	0.97
Chile	11	1.0	0.6	0.9	1.0	0.87
Colombia	4 (3)	1.0	0.9	1.0	0.9	0.96
Ecuador	5 (4)	0.9	0.8	1.0	1.0	0.91
Guyana	1	1.0	0.9	1.0	1.0	0.98
Paraguay	2	0.9	0.8	1.0	1.0	0.95
Perú	4 (3)	0.9	0.2	0.9	1.0	0.72
Suriname	1	0.0	0.0	0.0	0.0	0.0
Uruguay	4	1.0	0.7	1.0	1.0	0.93
Venezuela	6 (7)	1.0	0.7	0.7	0.7	0.77

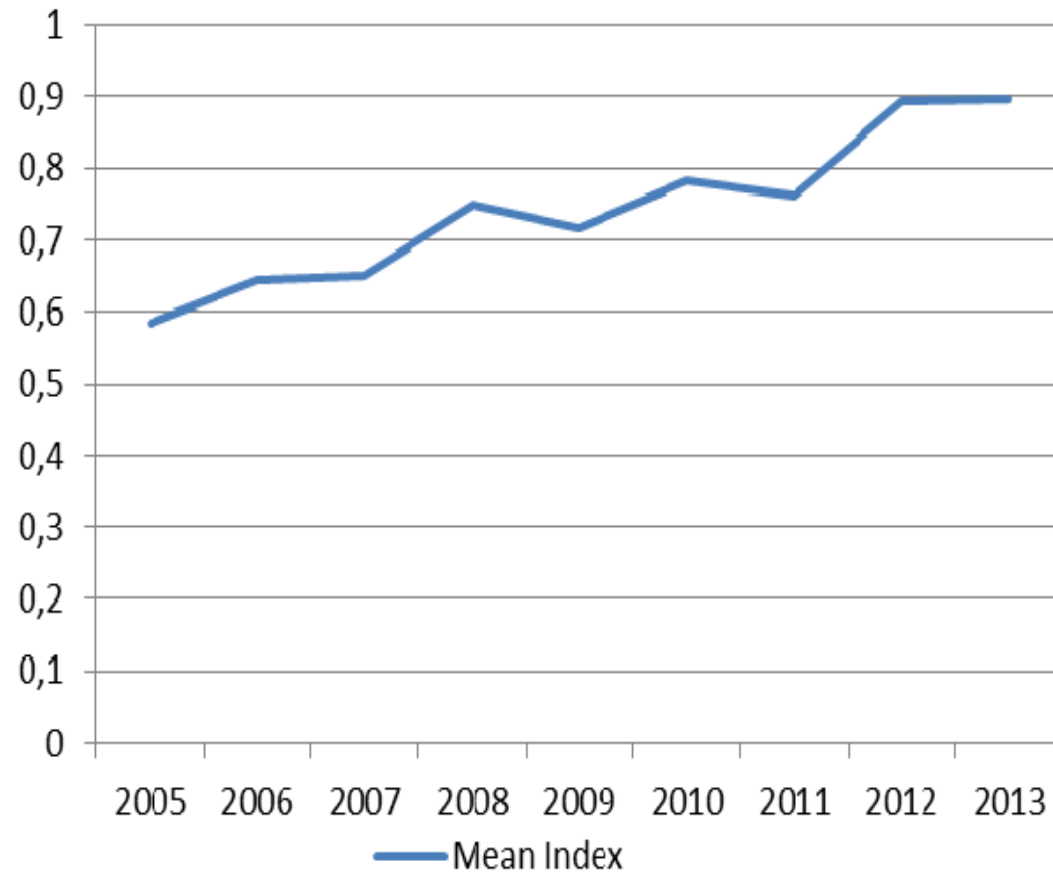
CA: Received CLIMAT messages

CT: N° valid temperature reports

CC: Correct CLIMAT messages

CR: N° of valid precipitation reports

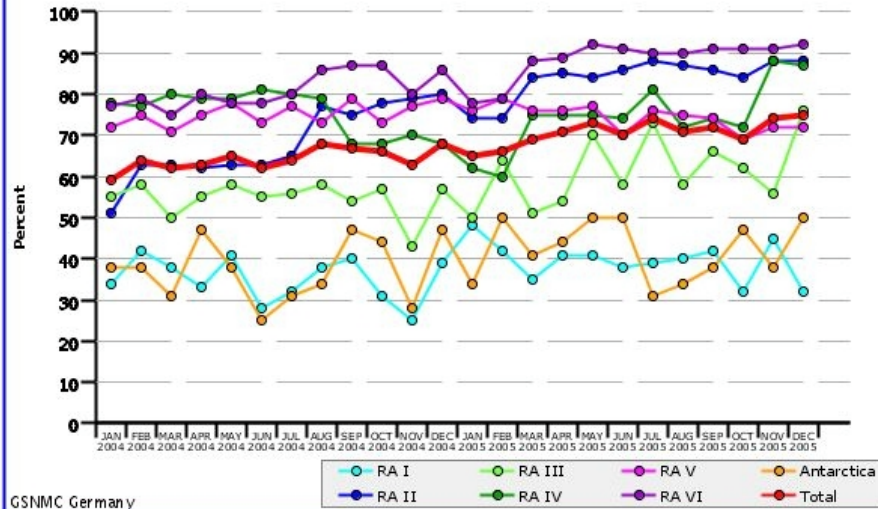






Percentage of received CLIMAT-Reports

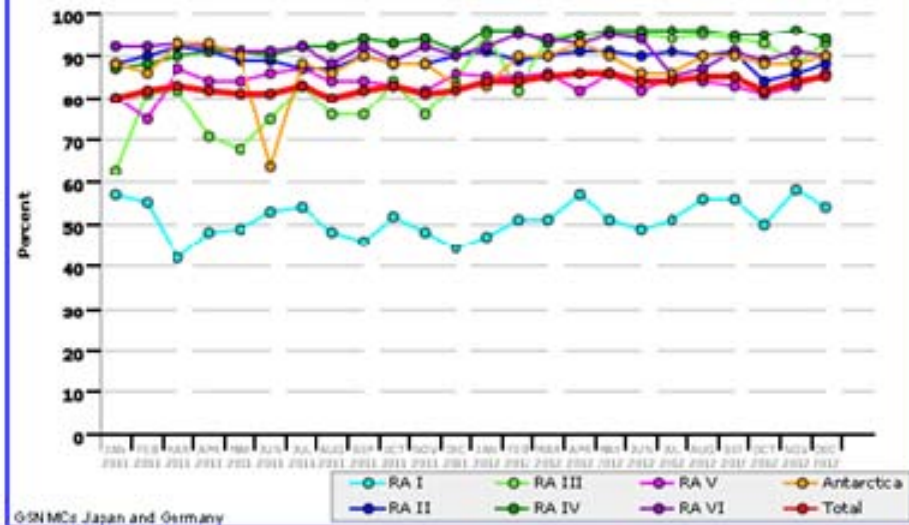
Selection: GSN-stations from January 2004 to December 2005



GSNMC Germany

Percentage of received CLIMAT-Reports

Selection: GSN-stations from January 2011 to December 2012



GSNMCs Japan and Germany



Recommendations:

The GCOS focal point list is very useful for Lead Center for this reason is necessary that every years GCOS-WMO asks to the PRs for confirmation or new nomination of the National focal points.

In order to increase coverage and following the example of Argentine and Venezuela, GCOS should stimulate the members of the Region to evaluate the possibility of incorporate new stations and to support the exchange of information.

Given that BURF code will be implemented in all countries, it is necessary to evaluate if a regional workshop can be useful in order to maintain or even improve the performance reached until now.

GCOS increases the number of exchange stations in the region due to the inclusion of stations proposed by some countries. Examples that can be followed by other.

