



## Form for Regular Reporting of Regional Instrument Centres

(please expand the cells as required to properly reflect your activities)

Terms of Reference for Regional Instrument Centres (RICs) are available under:  
<https://www.wmo.int/pages/prog/www/IMOP/instrument-reg-centres.html>

Regional Instrument Centre - General Information	
Name of RIC	<b>Buenos Aires "Dr Benjamin Gould Davies"</b>
RIC's website	<b>www.smn.gov.ar</b>
Institute hosting RIC	<b>Servicio Meteorológico Nacional</b>
City	<b>Ciudad Autónoma de Buenos Aires</b>
Country	<b>Argentina</b>
Regional Association	<b>RA III</b>

Contact Person for the Regional Instrument Centre	
Courtesy Title	<b>Mr</b>
First name	<b>Mario</b>
Family name	<b>Garcia</b>
Street and number	<b>Dorrego 4019</b>
Postal code	<b>C1425GBE</b>
City	<b>Ciudad Autónoma de Buenos Aires</b>
State/Province	
Country	<b>Argentina</b>
Tel. number(s)	<b>5411556267541 / 541151676767 ext. 18796</b>
Fax number(s)	<b>541147737291</b>
Email(s)	<a href="mailto:garcia@smn.gov.ar">garcia@smn.gov.ar</a> ; <a href="mailto:psayago@smn.gov.ar">psayago@smn.gov.ar</a>
Has contact person changed since your last report?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

If yes, provide the previous contact person?

### RIC's staff

(Please specify the number of your managerial and technical staff)

- Managerial: **1**
- Technical: **2**

### Interlaboratory Comparisons

**Have you organized any interlaboratory comparison in the last calendar year?**  
(If yes, please specify the event(s) and final reports, including their web links, if available):

- **No**
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**Have you participated in any interlaboratory comparison in the last calendar year?** (If yes, please specify the event(s) and the report(s), including their web links, if available):

- **No, plans was presented in TECO 16, see IOM 125, Session 3, P3 (42) at:**

[http://www.wmo.int/pages/prog/www/IMOP/publications/IOM-125\\_TECO\\_2016/TECO\\_2016-Homepage.html](http://www.wmo.int/pages/prog/www/IMOP/publications/IOM-125_TECO_2016/TECO_2016-Homepage.html)

### Applied International Standards/Norms

**Is your RIC accredited according to ISO/IEC 17025?**

- Yes** (please, specify the following):

**Accreditation/certification body:**

**Date of the last audit:**

**Link to the Certificate of Accreditation:**

- No** (please, indicate if you have already applied any quality management system, and provide a reason for a lack of accreditation, if possible)

**-Certify by ISO:9001. Accreditation planned for medium range**

### Assessment by a recognized authority other than accreditation body

**Was your RIC assessed by a recognized authority other than an accreditation body?** (e.g. certification body, NMI, another RIC)

- Yes** (please, specify the following):

**Name of a recognized authority: INTI (National Metrology Reference)**

**Date of the last assessment: Dec 2015**

**Standard against which the assessment was carried out: Pressure**

**No** (please, explain why, if possible)

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#### WMO/CIMO [Evaluation Scheme \(excel file\)](#)

**Have you filled out the WMO/CIMO Evaluation Scheme (excel) and submitted it to the WMO Secretariat?**

**Yes** (please, specify when):

**No** (please, explain why, if possible) **Problems with template access.**

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#### Calibrations of the Members' Instruments

**Which calibration services, were provided by your RIC for other Members/countries in the last calendar year? (Please specify)**

Year	Type of instruments	Number of calibrated instruments	WMO Member/Country
2013	Mercury barometer	4	Paraguay
2014	AWS T, P, H sensors	1	Paraguay
2015	Pressure sensors	2	Paraguay
2017	Digital Barometer	6	Paraguay
	Barograph	7	
2018	Mercury barometer	2	Paraguay
''	Digital Barometer	8	''
''	Barograph	1	''
	Anemometer	5	

#### Capacity Development and Training Activities

**Which capacity development/training activities have been carried out by your RIC within the Region in the last calendar year? (please specify events, WMO Members that participated and the number of participants)**

- **Nov 2015 RIC host the *WMO Training Workshop on Metrology for Spanish***

**speaking countries of RA III and RA IV with 23 participants from 9 RA III members and 6 RA IV members.**

- **Mar 2017 RIC staff has been participated in the *Workshop of Metrology for Meteorology and Climatology* organized by PTB and hosted by INTI in Buenos Aires with the participation of members of RA III and RA IV .**
- **Jul 2018 RIC Laboratory technician has been participate in the workshop for training in calibration of T,H,P was held in Panama under PTB Metrology for Meteorology sub project.**
- **Nov 2018. Within the scope of the PTB regional project "Regional Fund Quality Infrastructure for Biodiversity and Climate Protection in Latin America and the Caribbean", concerning the subproject Metrology for Meteorology and Climatology. International training on wind speed measurements and anemometers calibrations was hosted by RIC Buenos Aires where RA III and RA IV Members received capacity on Wind Tunnel use and instructions for best practices in anemometer calibrations.**

**Has your RIC provided services on capacity development and training outside the Region in the last calendar year? (If yes, please specify to whom and when)**

- **No**

**Which guidance documents, standard procedures or other publications were developed and published by your RIC in the last calendar year? (Please, include full reference and web-link if available)**

- **No**

### **Utilization of Resources and Capabilities of the Region**

(Have you collaborated with other RICs, RRCs, RTCs, NMHSs or NMIs on standardization of meteorological and other related environmental measurements? If yes, please specify when and how)

- **RIC Buenos Aires are working in close collaboration with RTC Buenos Aires and RRC Buenos Aires in training and technical advice.**

### **Recent Changes in Circumstance**

**Have there been any changes in your RIC's capabilities in the last calendar year? (If so, please specify)**

- **No**

**Have there been any significant changes in your RIC's infrastructure in the last calendar year? (If so, please specify)**

- **Yes, in 2014/15 building internal renovation.**
- **In 2016 the mercury lab safety was improve.**

**Have there been any changes in your staffing in the last calendar year? (If so, please specify)**

- **Yes, during 2018 change the person in charge of RIC. Marcelo Solari, the previous one was started with his retire.**

### Future Plans and any other relevant information

(Please provide plans/projects of your RIC this calendar year, and add any other information you find relevant about your RIC)

- **The plans are in progress under the agreement with INTI. See IOM 125, P3 (42) of TECO 16.**
- **Plans include:**
- **Develop project for upgrade RIC Laboratory.**
- **Staff training: introductory course to ISO/IEC 17025 and uncertainty evaluation (under agreement with INTI and PTB program)**
- **Review of measurements procedures and testing and calibration procedures. Upgrade management and technical staff.**
- **Installation of new climatic chamber (in progress during 2019)**
- **Wind tunnel upgrade.**

**Are you in agreement with publishing this reporting form on WMO/CIMO website?**

Yes

No

**Mar, 15<sup>th</sup>, 2019**

Date

**Paola Sayago**

Name and Signature of Person in Charge of RIC  
*psayago@smn.gov.ar*

## ANNEX

(Following information will be a part of your RIC's website as published on the [WMO/CIMO website](#))

Specific information on Instrument Calibration Capabilities					
<b>Temperature:</b>					
Instrument Undergoing Calibration	Calibration Range	Reference standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference equipment	
				Last standard calibration date	Calibration body
Thermometer	-40°C to 60°C	Vaisala HMT333	+/- 0.4 °C	Set 2014	Vaisala Lab.
Status of accreditation: <b>Planned to medium range</b>					
<b>Relative Humidity:</b>					
Instrument Undergoing Calibration	Calibration Range	Reference standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference equipment	
				Last standard calibration date	Calibration body
Hygrometer	5%to100% RH	Vaisala HMT333	+ - 5% RH	Set 2014	Vaisala Lab
Status of accreditation (date of the latest accreditation): Link to the accreditation certificate: Accreditation body:					

**Atmospheric pressure:**

Instrument Undergoing Calibration	Calibration Range	Reference standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference equipment	
				Last standard calibration date	Calibration body
<b>Digital and Mercury Barometers</b>	500 to 1100 hPa	<b>Vaisala PTB 330</b>	+/- 0.5 hPa	<b>Dec 2015</b>	INTI Lab

Status of accreditation: Planned to medium range

**Wind:**

Instrument Undergoing Calibration	Calibration Range	Reference standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference equipment	
				Last standard calibration date	Calibration body
<b>ANEMOMETER</b>	0 to 25 m/s	<b>Ultrasonic sensor VAISALA WD30</b>	+/- 0.5 m/s, less than 5 m/s; More than 5 m/s: 10%	<b>Dec 2012</b>	<b>La Plata University Lab</b>

Status of accreditation: Planned to medium range