



WMO OMM

World Meteorological Organization
 Organisation météorologique mondiale
 Organización Meteorológica Mundial
 Всемирная метеорологическая организация
 المنظمة العالمية للأرصاد الجوية
 世界气象组织

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A 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	Buenos Aires "Dr Benjamin Gould Davies"
RIC's website	www.smn.gov.ar
Institute hosting RIC	Servicio Meteorológico Nacional
City	Ciudad Autónoma de Buenos Aires
Country	Argentina
Regional Association	RAIII

Contact Person for the Regional Instrument Centre	
Courtesy Title	Mr
First name	Mario
Family name	Garcia
Street and number	Dorrego 4019
Postal code	C1425GBE
City	Ciudad Autónoma de Buenos Aires
State/Province	
Country	Argentina
Tel. number(s)	5411556267541 / 541151676767 ext. 18796
Fax number(s)	541147737291
Email(s)	garcia@smn.gov.ar ; msolari@smn.gov.ar
Has contact person changed since 2013?	<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: **3**

Interlaboratory Comparisons

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

- **No**
-

Have you participated in any interlaboratory comparison? (If yes, please specify the event(s) and the report(s), including their web links, if available):

- **Yes, 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

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)

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.**

Calibrations of the Members' Instruments

Which calibration services, were provided by your RIC for other Members/countries since 2013? (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	13	Paraguay

Capacity Development and Training Activities

Which capacity development/training activities have been carried out by your RIC since 2013 within the Region? (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
-

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

- No

-

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Which guidance documents, standard procedures or other publications were developed and published by your RIC since 2013? (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 since 2013? (If so, please specify)

- No

-

Have there been any significant changes in your RIC's infrastructure since 2013? (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 since 2013? (If so, please specify)

- No

-

Future Plans and any other relevant information

(Please provide plans/projects of your RIC for 2017, 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:**
- **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.**
- **Tender for a new climatic chamber (in progress during 2017)**
- **Wind tunnel upgrade.**

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

Yes

No

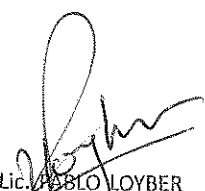
May, 15th, 2017

Date


Marcelo Solari

Name and Signature of Person in Charge of RIC

msolari@smn.gov.ar


Lic. PABLO LOYBER
Gerente de Obtención de Datos
Servicio Meteorológico Nacional

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					
Temperature:					
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: Planned to medium range					
Relative Humidity:					
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
Digital and Mercury Barometers	500 to 1100 hPa	Vaisala PTB 330	+/- 0.5 hPa	Dec 2015	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
ANEMOMETER	0 to 25 m/s	Ultrasonic sensor VAISALA WD30	+/- 0.5 m/s, less than 5 m/s; More than 5 m/s: 10%	Dec 2012	La Plata University Lab

Status of accreditation: Planned to medium range

Handwritten mark

Precipitation:

Instrument Undergoing Calibration	Calibration Range	Reference standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference equipment	
				Last standard calibration date	Calibration body

Status of accreditation (date of the latest accreditation):
 Link to the accreditation certificate:
 Accreditation body:

Other (please specify if applicable):

Instrument Undergoing Calibration	Calibration Range	Reference standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference equipment	
				Last standard calibration date	Calibration body

Status of accreditation (date of the latest accreditation):
 Link to the accreditation certificate:
 Accreditation body:

* A **CMC (calibration and measurement capability)** is the smallest uncertainty (k=2) of measurement that can be expected to be achieved by the RIC during a calibration under normal conditions. This CMC is evaluated by the RIC itself and described in the scope of accreditation of the RIC, if available.