



# Latin America and the Caribbean Scientific Data Management Workshop

17–18 April 2018

Brazilian Academy of Sciences, Rio de Janeiro, Brazil

## Draft Programme

Tuesday 17 April

09h00-09h30 **Opening and welcome address**

Chair: **Marcos Cortesão** (Brazilian Academy of Sciences)

1. **Luiz Davidovich** (President of Brazilian Academy of Sciences)
2. **Alfredo Tolmasquim** (Museum of Tomorrow)
3. **Manuel Limonta** (Director ICSU Regional Office for Latin America and the Caribbean)
4. **Ingrid Dillo** (Vice-chair of ICSU-WDS and Data Archiving and Networked Services: DANS, Netherlands)

09h30-10h30 **Panel 1: State of the art and future perspectives for scientific data management**

Moderator: **Alfredo Tolmasquim** (Museum of Tomorrow)

1. *New trends and challenges for scientific data management* –  
**Alex de Sherbinin** (CIESIN, University of Columbia, USA) and **Wim Hugo** (SAEON, South Africa)
2. *Principles and Policies for International Coordination of Research Data Networks* –  
**Mustapha Mokrane** (Executive Director, International Programme Office ICSU-WDS)
3. *The Research Data Alliance: potential value for the Latin American and Caribbean Region* –  
**Leslie McIntosh Borrelli** (RDA-US Executive Director)

10h30-11h00 **Coffee break**

11h00-12h30 **Panel 2: Challenges for data management projects in Latin America & the Caribbean**

Moderator: **Sarita Albagli** (Brazilian Institute of Information in Science and Technology: IBICT)

1. *Scientific data initiatives and the multilateral context*–  
**Marcos Regis da Silva** (Executive Director of Inter-American Institute for Global Change Research, Uruguay)
2. *Data, Open Data and Big Data: results of the LEARN project* –  
**Wouter Schallier** (Chief Librarian of the Hernán Santa Cruz Library ECLAC/CEPAL, Chile)
3. *Global to Regional: Global Biodiversity Information Facility and the LAC Region* –  
**Anabela Plos** (Museo Argentino de Ciencias Naturales MACN-CONICET, Argentina)
4. *Public goods for scientific data policies in Latin America* –  
**Alberto Cabezas** (LA Referencia, Chile)

12h30-13h30 **Lunch**

13h30-15h00 **Session 1: Case Studies in Agriculture and Soil Science**

Chair: **Wim Hugo** (South African Earth Observation Network SAEON and WDS Scientific Committee)

1. *A Data Repository for Agricultural Science & Technology* –  
**Debora Pignatari Drucker** (Embrapa, Brazil)
2. *The Free Brazilian Repository for Open Soil Data* –  
**Alessandro Samuel-Rosa** (Universidade Federal de Santa Maria, Brazil)
3. *Making Available Digital Soil Maps from Brazil in an Interactive WebGIS* –  
**Ricardo de Oliveira Dart** (Embrapa Solos, Brazil)
4. *InfoSoilsBr: The Brazilian Soils Database* –  
**Marcos Bacis Ceddia** (Universidade Federal Rural do Rio de Janeiro, Brazil)
5. *Toward Integration of Data-Centric Agronomic Experiments with Data Provenance* –  
**Sergio Manuel Serra da Cruz** (Universidade Federal Rural do Rio de Janeiro, Brazil)

### **Questions and Answers**

#### **15h00-16h00 Lightning Talks for posters**

**Chair: Michael Stanton** (Brazilian National Research and Education Network: RNP)

1. *Repositorio Institucional de la Universidad Nacional de Asunción, Una Iniciativa Para el Acceso Abierto*  
**Marta Barrios de Alvarez Emilce Sena Correa** (Universidad Nacional de Asunción, Paraguay)
2. *In search of a repository of scientific data in an adverse climate: the Salvadoran experience* –  
**William Heriberto Carballo Sánchez** (Universidad Escuela de Comunicación Mónica Herrera, El Salvador)
3. *Exploring Costa Rica scholarly records by interactive knowledge networks: case of implementation of VIVO software in Universidad Nacional, Costa Rica* –  
**Andrea Mora-Campos, David Hine** (Universidad Nacional de Costa Rica)
4. *Towards a Brazilian Geoinformation Suite for Rational Use of Fertilizers in Agriculture* –  
**Ronaldo Pereira de Oliveira** (Embrapa Solos, Brazil)
5. *The panorama dos dados governamentais abertos para pesquisas no Brasil* –  
**Neide De Sordi** (Open Knowledge Brasil, Brazil)
6. *Linked Administrative Data Management for Research and Public Policymaking Purposes in Brazilian Public Health* –  
**Bethania de Araujo Almeida** (Fiocruz, Brazil)
7. *Data management for health care and research: An experience of a leprosy reference centre in Rio de Janeiro* –  
**Ximena illarramendi** (Fiocruz, Brazil)
8. *Machine learning techniques to find correlations between open data and confidential data* –  
**Laci Mary Barbosa Manhães** (Universidade Federal Fluminense – UFF, Brazil)
9. *Opportunity and challenges to deal with public sector information management in science* –  
**Renato Cerceau, Luis Alfredo Vidal De Carvalho** (ANS, Brazil)
10. *Cross-border epidemiological data integration and harmonization – Application to malaria in the cross-border area between French Guiana and Brazil* –  
**Christovam Barcellos** (ICICT, Fiocruz, Brazil)
11. *Hydrophysical Database For Brazilian Soils* –  
**Marta Vasconcelos Ottoni** (Geological Survey of Brazil)

#### **16h00-16h30 Coffee-Break and poster viewing**

#### **16h30-18h00 Session 2: Case Studies in Biodiversity, and Climate**

**Chair: Aude Chambodut** (International Service of Geomagnetic Indices: ISGI)

1. *PPBio's Metacat Data Repository* –  
**Timothy Lee Vincent** (Instituto Nacional de Pesquisas da Amazônia – INPA, Brazil)

2. *Big Data Landscape to Improve LBA Scientific Data Management* –  
**José Laurindo Campos dos Santos** (Instituto Nacional de Pesquisas da Amazônia – INPA, Brazil)
3. *A unified South American Paleohydrological Database: LOTRED SA* –  
**Juliana de Sousa Nogueira** (Universidade Federal Fluminense)
4. *A snapshot of glacier monitoring in South America* –  
**Isabelle Gärtner-Roer** (World Glacier Monitoring Service: WGMS)
5. *Initiatives on Pollinator and Pollination Data Digitization and Sharing and Data Quality* –  
**Antonio Mauro Saraiva** (Universidade de São Paulo, Brazil)

**Questions and Answers**

**Adjourn Day 1**

## Wednesday 18 April

### 09h00-10h30 **Special Session: Accreditation of Scientific Data Repositories**

1. *Why and how promote the certification of Scientific Data Repositories* –  
**Ingrid Dillo** (Vice-chair of ICSU-WDS and Data Archiving and Networked Services: DANS, Netherlands)
2. *The accreditation process of ICSU World Data System* –  
**Rorie Edmunds** (ICSU World Data System International Programme Office, Japan)

**Questions and Answers**

### 10h30-11h00 **Coffee-Break**

### 11h00-12h30 **Session 3: Case Studies in Astronomy, Space, and Private Sector**

*Chair: Alberto Laender (Federal University of Minas Gerais and Brazilian Academy of Science)*

1. *The LIneA Science Portal: Handling the Large Volumes of Data from Modern Astronomical Surveys* –  
**Luiz Nicolaci da Costa** (LIneA/Observatorio Nacional, Brazil)
2. *The implementation experience of the Chilean Virtual Observatory* –  
**Mauricio Solar** (Universidad Técnica Federico Santa María, Chile)
3. *The United Nations Open Universe initiative and the Brazilian Science Data Center* –  
**Ulisses Barres de Almeida** (CBPF)
4. *Research Data Management in Nuclear: the experience of the Nuclear Engineering Institute Area* –  
**Luana Farias Sales** (CNEN-IEN / IBICT)
5. *Research Data Management in Exploration and Production context: opportunities and challenges* –  
**Dean Pereira de Melo, Marcelo Fagundes de Rezende** (PETROBRAS)

**Questions and Answers**

### 12h30-13h30 **Lunch**

### 13h30-15h00 **Session 4: Case Studies in Health and Humanities**

*Chair: Isabelle Gärtner-Roer (World Glacier Monitoring Service: WGMS)*

1. *The Brazilian Initiative on Precision Medicine (Bipmed): The First Publicly Available Genomic Database in Latin America* –  
**Ischia Lopes-Cendes** (University of Campinas – UNICAMP, Brazil)
2. *The Center for Data and Knowledge Integration for Health (CIDACS-Fiocruz)* –  
**Mauricio L. Barreto** (CIDACS - Fiocruz, Brazil)

3. *MaoBD - Open-access data in forensics anthropometry of Brazil* –  
**Maria Elizete Kunkel** (Universidade Federal de São Paulo, Brazil)
4. *Music in eighteenth-century periodicals* –  
**Martha Tupinambá de Ulhôa** (Universidade Federal do Estado do Rio de Janeiro, Brazil)
5. *Intelligo – Exploring Large Science and Technology Data Collections Using Online Semantic Maps* –  
**Lautaro Matas** (Observatorio Iberoamericano de la Ciencia, la Tecnología y la Sociedad, Argentina)

### **Questions and Answers**

#### **15h00-15h30: Coffee-Break and Poster Viewing**

#### **15h30-17h30 Panel 4: Infrastructure, training and funding of Scientific Data initiatives**

Moderator: **Marie-Anne Van Sluys** (São Paulo University, FAPESP and Brazilian Academy of Science)

1. *Challenges for Big Data Management and Analysis in Earth Sciences* –  
**Gilberto Câmara** (Co-Chair, Belmont Forum of Scientific Agencies and Researcher, National Institute for Space Research)
2. *Towards a Scientific Data Policy* –  
**Roberto de Pinho** (Ministry of Science, Technology, Innovation and Communication, Brazil)
3. *Collaborating through data - from data-intensive research to data management policies* –  
**Claudia Medeiros** (FAPESP Research Program on eScience and Data Science, Brazil)
4. *RNP support to data-driven research* –  
**Leandro Ciuffo** (RNP, Brazil)
5. *Scientific Data Analysis at LNCC, Towards a Generic Platform* –  
**Fabio Porto** (LNCC, Brazil)
6. *WDS China Data Centers Activities and the Common Clearing House* –  
**Juanle Wang** (Institute of Geographic Sciences and Natural Resources Research, China)

#### **17h30-18h00: Closing remarks and next steps**

1. **Alfredo Tolmasquim** (Museum of Tomorrow and WDS Scientific Committee)
2. **Mustapha Mokrane** (WDS International Programme Office)

### **Adjourn Workshop**

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#### **Posters only (no lightning talks)**

1. *Renewable Energy Generated by the Impacts of Natural and Accidental Disasters* –  
**Fátima Antonethe Castaneda Mena** (UNESCO CON E ECT, Guatemala)
  2. *Database Crimes May 2006: towards the establishment of forensic anthropology and transitional justice in human rights in Brazil* –  
**Maria Elizete Kunkel** (Universidade Federal de São Paulo, Brazil)
  3. *Regional WDS-Oriented Activities in the Asia-Oceania Area* –  
**Watanabe Takashi** (ICSU-WDS International Programme Office, Japan)
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More Information at: <http://lacworkshop.icsu-wds.org/>



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