

ICSU-World Data System

www.icsu-wds.org

Yasuhiro Murayama

ICSU-World Data System Scientific Committee (ex officio)

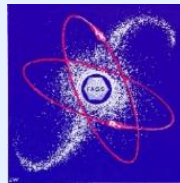
International Programme Office Hosted by 
Based in Tokyo, Japan

Creation of ICSU-World Data System

ICSU (Intl. Council for Science)
29th General Assembly decision
in Maputo (October 28, 2008):

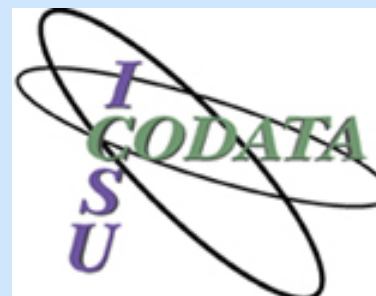


PAST
(since
1950's)



WDC (World Data Center)
FAGS (Federation of Astronomical and Geophysical
Data Analysis Services)

PRESENT
(2008~)



ICSU International Scientific Unions data bodies
ICSU National Members data bodies
ICSU Interdisciplinary Bodies data activities



WORLD DATA SYSTEM

WDS Objectives

- **Long-term stewardship** of scientific data
- Provision of **quality-assessed** data and services
- **Multidisciplinary** scientific data
- **Common, interoperable, distributed** data system
- **Global:** broad geographic base

Data

in Earth and Environmental Sciences

- Basis of the science
 - Proof of scientific findings (to the society).
 - Climate change, e.g., cannot be reproducible, neither in lab. Experiments nor on the planet.
- Material for scientific studies
 - Benefits of sharing data
- So, resource of human society

Implementation



1. Constitution

2. Data policy



3. Certification criteria

4. Applications for Membership

5. International Programme Office

- Developing “community of excellence”

WDS Scientific Committee 2012-2015



- **Bernard Minster** (*Chair, USA*)
- **Michael Diepenbroek** (*Germany*)
- **Kim Finney** (*Australia*)
- **Françoise Genova** (*France*)
- **Wim Hugo** (*South Africa*)
- **Jane Hunter** (*Australia*)
- **Vasily Kopylov** (*Russ.Fed.*)

- **Guoqing Li** (*China*)
 - **Ruth Neilan** (*USA*)
 - **Lesley Rickards** (*UK*)
 - **Ryosuke Shibasaki** (*Japan*)
 - **Ariel Troisi** (*Argentina*)
 - **Howard Moore** (*ex officio, ICSU*)
 - **Yasuhiro Murayama** (*ex officio, NICT*)
- International Programme Office**
- **Executive Director: Mustapha Mokrane**
 - **Senior Advisor: Takashi Watanabe**
 - **Programme Officer: Rorie Edmunds**
 - **Administration Officer: Yuko Nikaido...**



WDS-SC Members, IPO staff and ICSU President

WDS-IPO inauguration at Tokyo

Venue: Tokyo, Japan

Date: 9 May 2012



Speeches also given by: ICSU Executive Director Dr. Steven Wilson,
WDS-IPO Executive Director Dr. Mustapha Mokrane,
WDS-SC chair Prof. J-B. Minster, NICT Dr. Y. Murayama

Membership



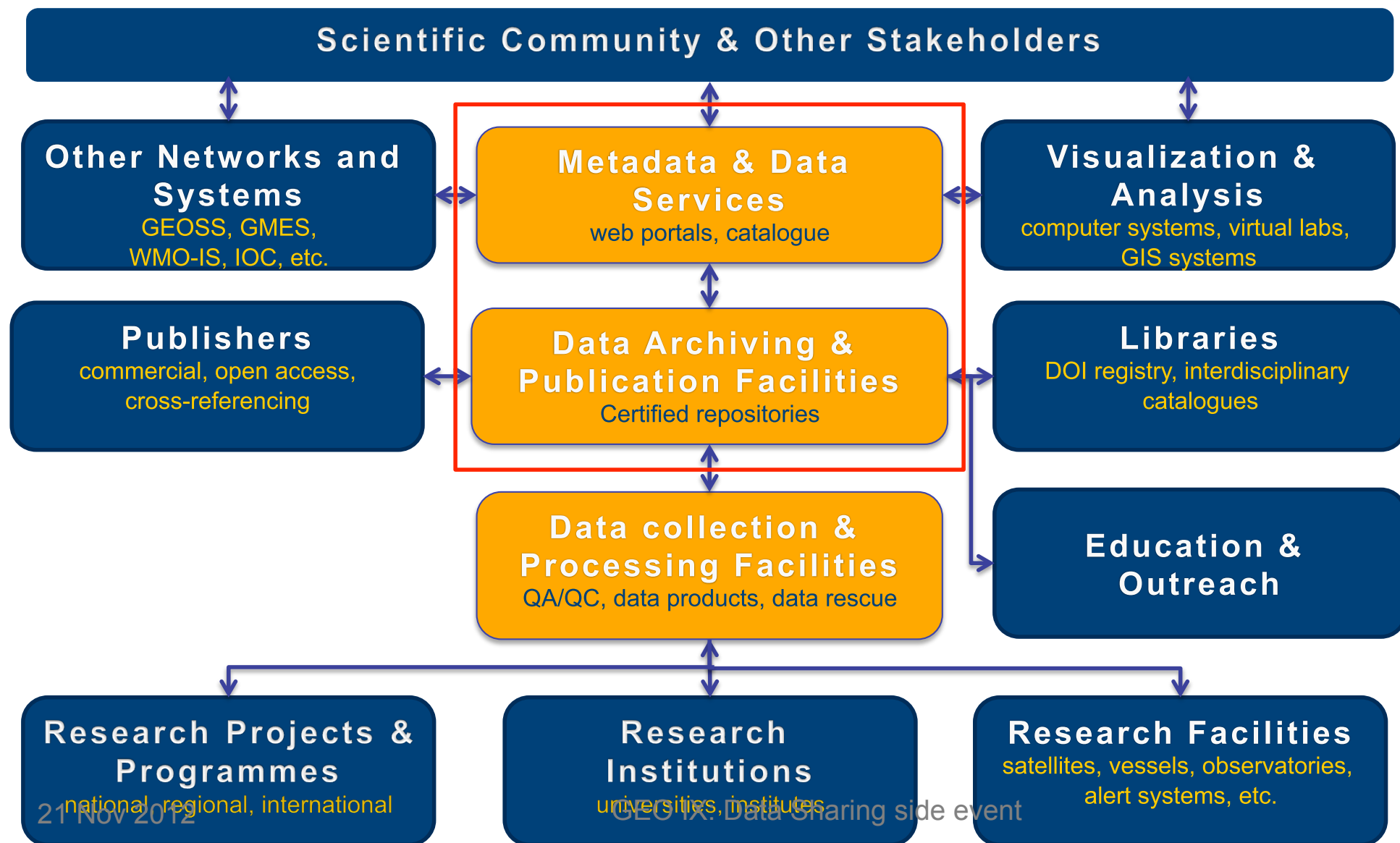
Regular (40)	Data curation and data analysis services. (Individual data centres, data services)
Network (2)	Networks of regular members, umbrella organizations (e.g. IODE, IVOA...)
Partner (2)	Do not deal directly with data collection, curation, and distribution, but supports WDS
Associate (7)	Organizations interested in the WDS endeavour

Next Steps

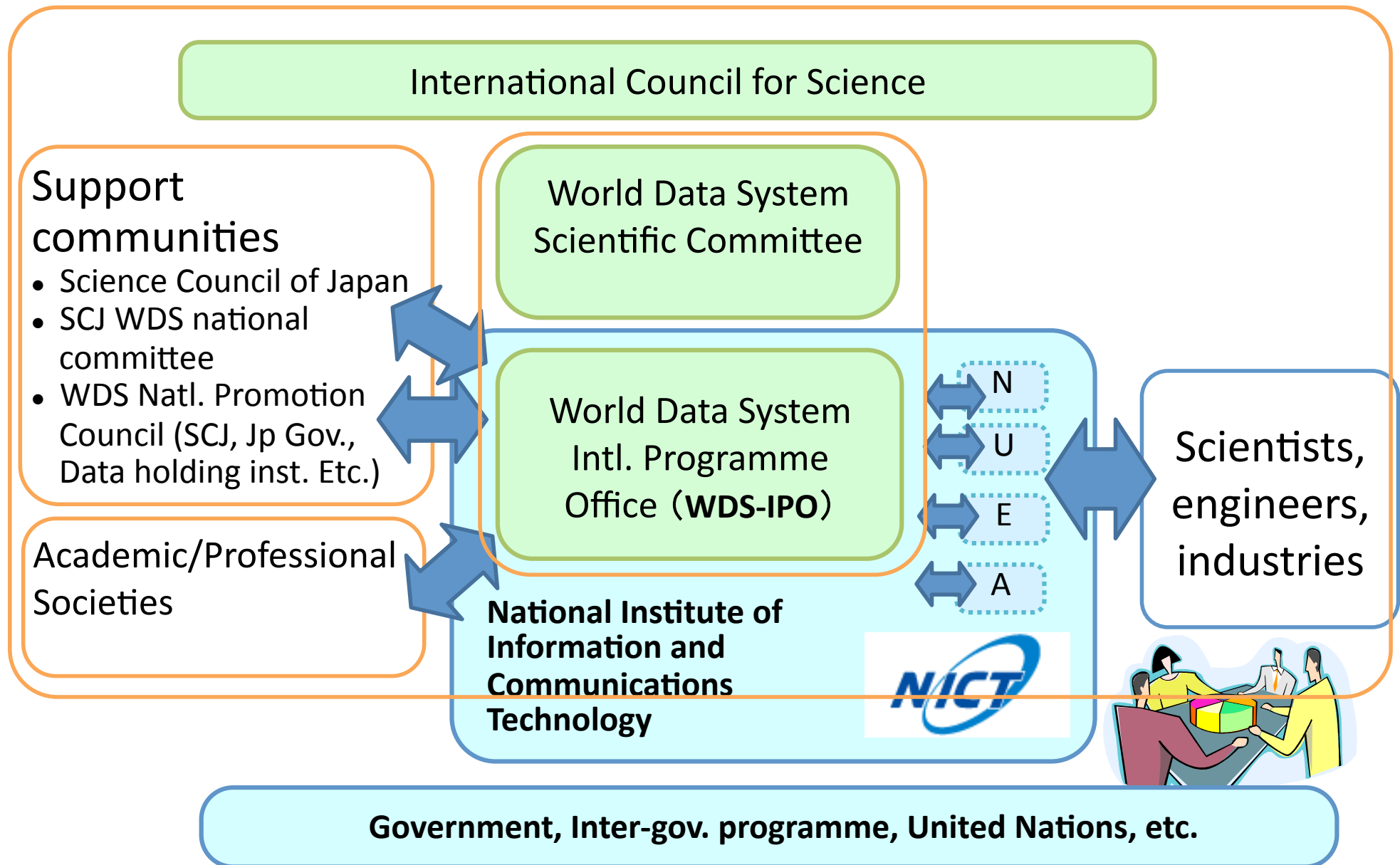
- Working groups
- Membership
- Future Earth, GEOSS, CODATA...



WORLD DATA SYSTEM



Local setup of WDS Intl. Programme Office



Thank you very much.

- **Visit www.icsu-wds.org**