

*IPSA SCIENTIA POTESITAS EST*

**Knowledge is power**

**Bilgi Güçtür**

(Sir Francis Bacon – 1597)

Es ist nicht genug zu wissen, man muß es auch anwenden;

Knowing is not enough, we must apply the knowledge;

Bilgi yeterli değildir; onu uygulamamız gerekir

(Johann Wolfgang von Goethe – 1809)

Es ist nicht genug zu wissen, man muß es auch  
anwenden;

es ist nicht genug zu wollen, man muß es auch tun.

Knowing is not enough, we must apply the knowledge;

wanting is not enough, one has to act.

(Johann Wolfgang von Goethe – 1809)

# United Nations World Water Conference, Mar del Plata, Argentina, 14-25 March 1977

Resolves that:

“All efforts should be undertaken at the national level to increase substantially financial resources for activities related to water-resources assessment ... ”

and

“Countries should expand and extend the network of hydrological and meteorological stations, taking a long-term view of future needs .....To improve the management of water resources, greater knowledge about their quantity and quality is needed. ...”

# **Second World Water Forum**

**The Hague, The Netherlands, March 2000**

"Wise decision making must be based on sound Knowledge which in turn requires scientific analyses. Science is therefore not a luxury. What is more, it needs adequate data bases in order to draw conclusions."

# **Fifth World Water Forum**

## ***Topic 6.4***

***Data for all***

***Herkes için veri***

***Lead question:***

***How can we unlock the data  
treasure chest?***

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# Topic 6.4 Organisers



**Arthur Askew**

– International Association of Hydrological Sciences (IAHS)



**Ivo Havinga and Michael Vardon**

– United Nations Statistics Division (UNSD)



**Avinash Tyagi and Mohamad Tawfik**

– World Meteorological Organization (WMO)



# Four sessions

- 6.4.1 - Data needs and acquisition
- 6.4.2 - Data integration and dissemination
- 6.4.3 - Barriers to data availability
- 6.4.4 - Action to ensure data for all

# Session 6.4.1

Room 5, Feshane Halic Hall  
Friday 20 March, 09:30 – 13:00

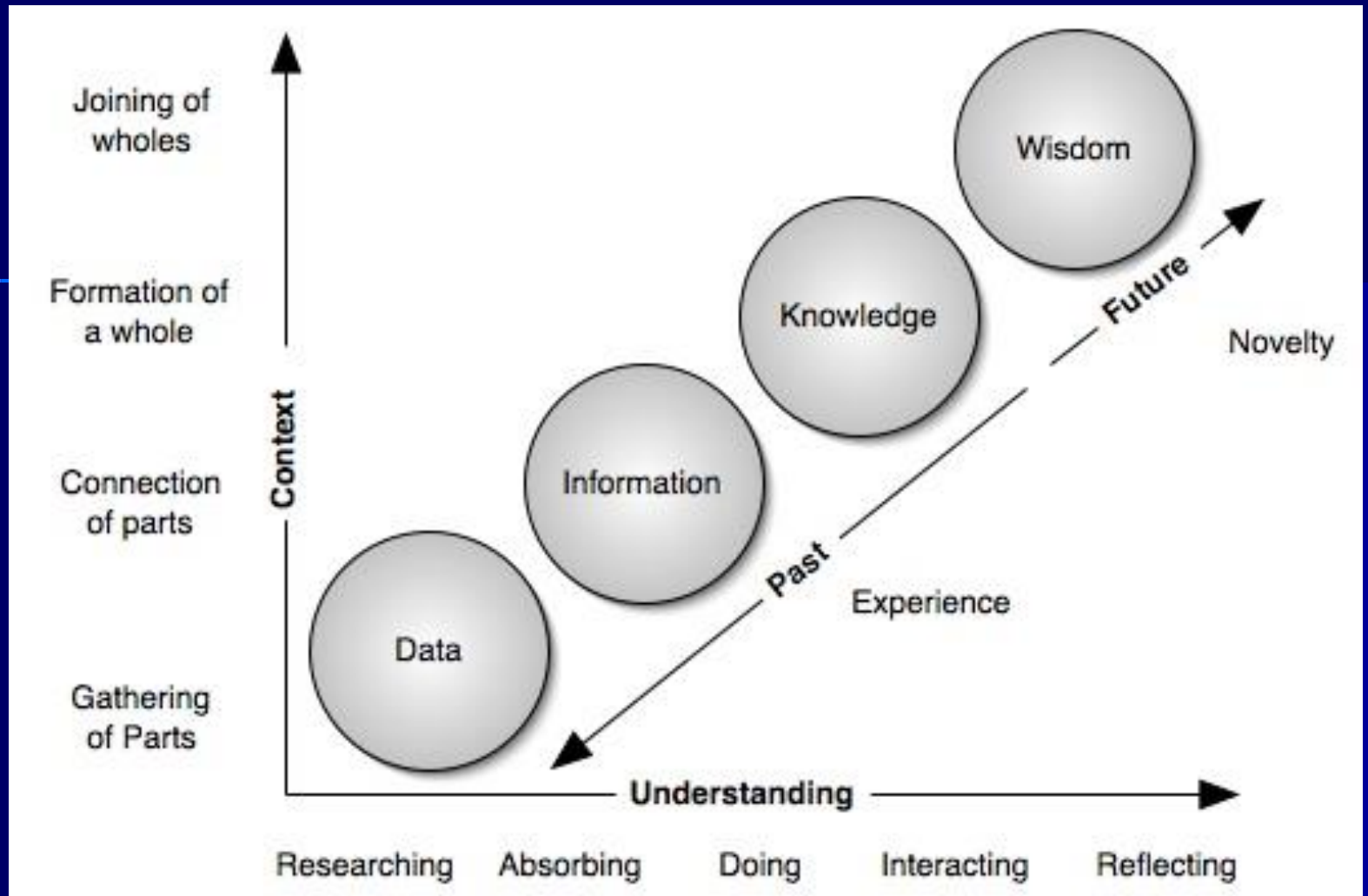
## Data needs and acquisition

Chaired by Gordon Young

## Session 6.4.1

*Building the Data Base:*

***What data should we put in  
the treasure chest?***



**Clark, Donald R. (2009), Performance, Learning, Leadership, & Knowledge - <http://nwlink.com/~donclark/index.html>**

# Contributors

- Mr Wilhelm.Struckmeier (International Association of Hydrogeologists, Germany)
- Mr Stéphane Simonet (World Water Council, France)
- Mr Paul West (The Nature Conservancy & University of Wisconsin, USA)
- Mr LeHuu Ti (UN Economic and Social Commission for Asia and the Pacific, Thailand)
- Mr Ünal Sorman (Middle East Technical University,Turkey)
- Mr Basanta Shrestha (International Centre for Integrated Mountain Development, Nepal)
- Mr Martin Schinnerl (Ott Messtechnik GmbH & Co, Germany)
- Mr Ian Cluckie (Swansea University, UK)
- Mr Pradeep Aggarwal (International Atomic Energy Agency, Austria)
- Ms Sara Ahmed (Gender and Water Alliance, India)



## Session 6.4.2



Room 5, Feshane Halic Hall  
Friday 20 March, 14:30 – 19:00

# Data integration and dissemination

Chaired by  
Mr. Ivo Havinga,  
United Nations Statistics Division  
Mr. José Luis Luege Tamargo  
National Water Commission, Mexico

## Session 6.4.2

# ***How do we convert data into usable information?***

- Is the SEEA-Water a step forward in meeting the demand for integration information needed for water policy and management?
- How can the use of common concepts, definitions and classifications be encouraged?
- How do we establish best practices for data collection and management (including data integration, storage, access and dissemination)?

# Contributors

**Mr. Roberto Lenton.** (Global Water Partnership and Water Supply and Sanitation Collaborative Council)

**Mr. Pasquale Steduto** (Food and Agricultural Organisation, Chair UN Water)

**Mr. Mitsumasa Okada** (Water Environment Partnership Asia, Ministry of Environment, Japan)

**Mr. Rob Vertessy** (Bureau of Meteorology, Australia)

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**Ms. Ghalia Hamamy** (Central Administration for Statistics, Lebanon)

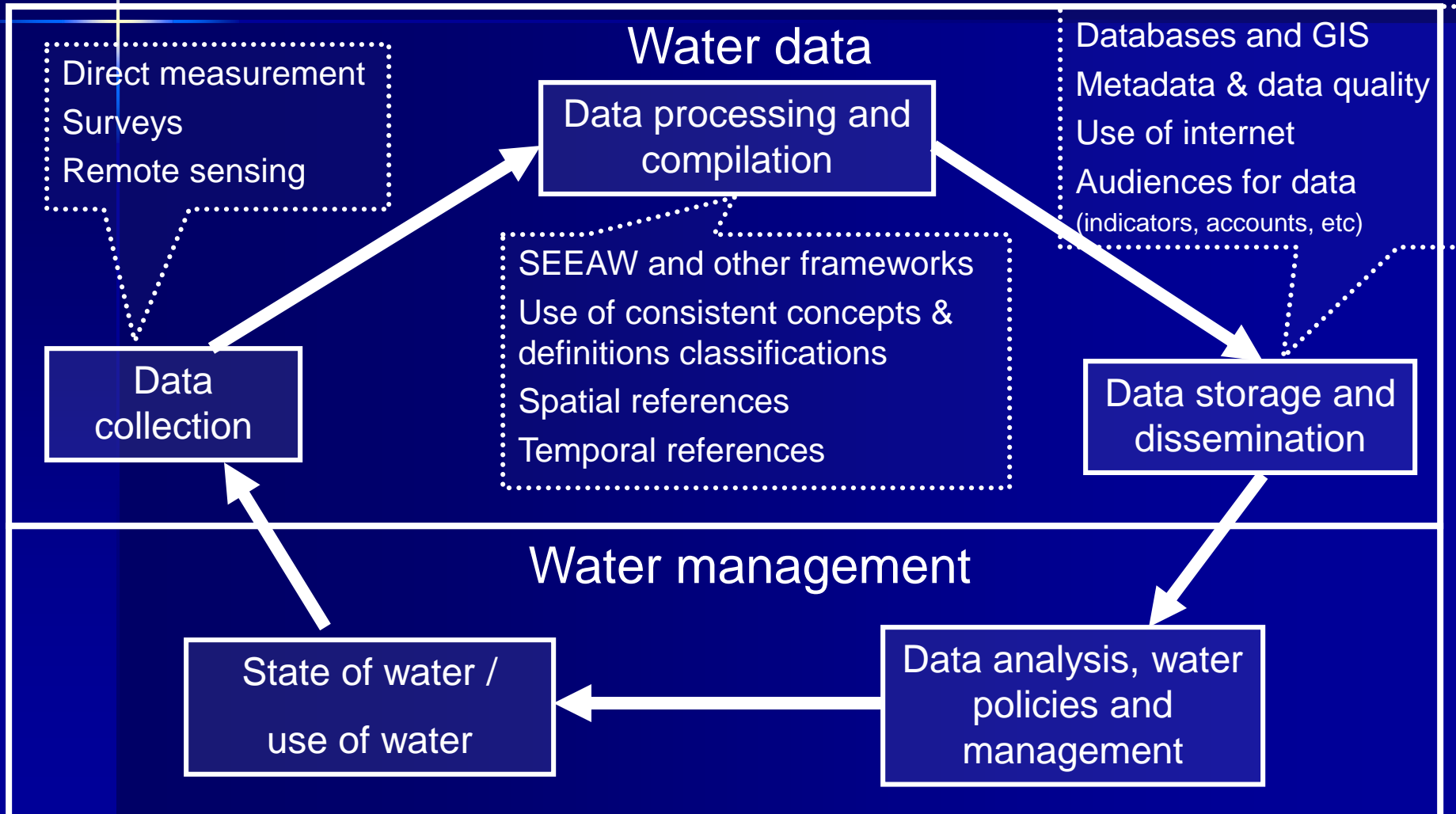
**Ms Cécile Roddier-Quefelec** (Med Stat II)

**Mr. Ulrich Looser** (Global Data Runoff Centre, Institute of Hydrology, Germany)

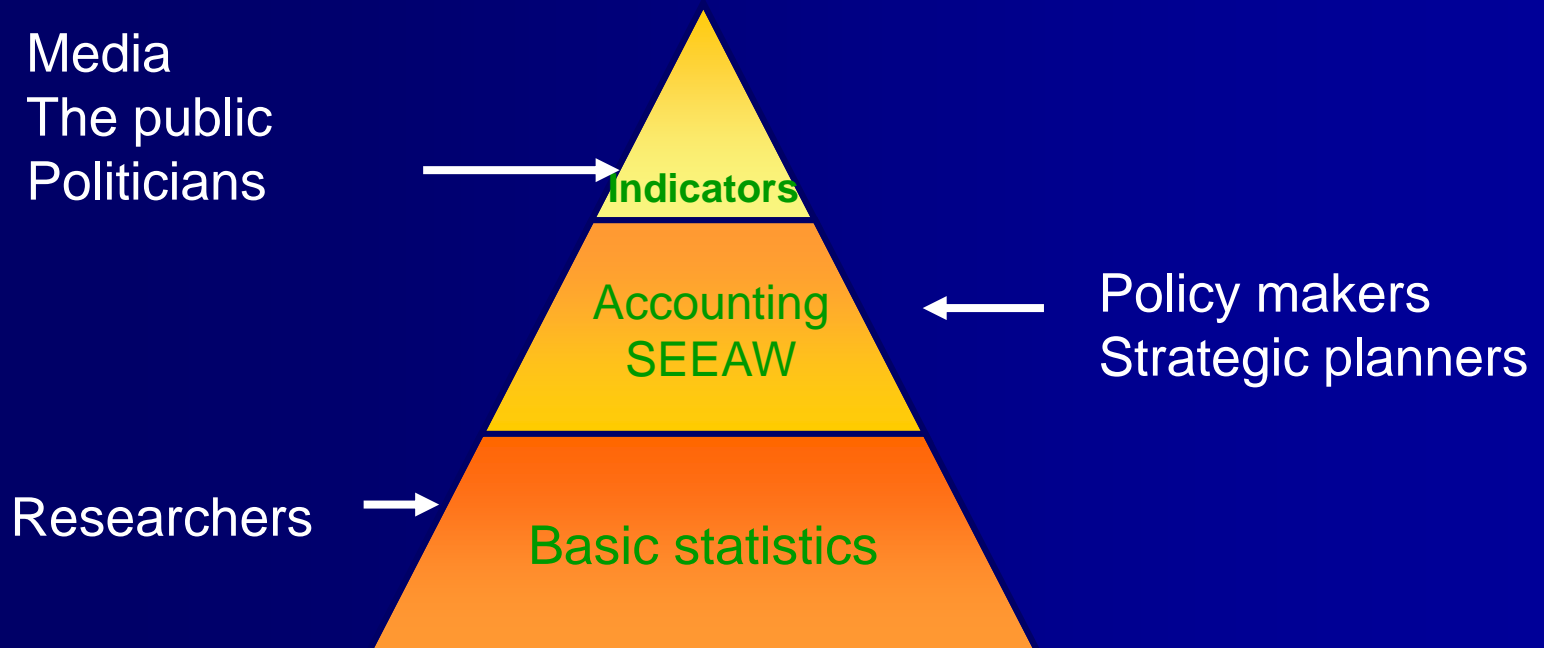
**Ms. Sophie Vermooten** (International Groundwater Resources Assessment Centre)



# How should we integrate, store access and disseminate data?



# Audiences for information



## Session 6.4.2

***How do we convert data into  
usable information?***

## Session 6.4.3

Room 5, Feshane Halic Hall  
Saturday 21 March, 08:30 – 10:30

# Barriers to data availability

Chaired by Bruce Stewart

# Barriers

- Technical
- Economic
- Legal
- Socio-political
- Ethical

# Contributors

**Mr Vladimir Smakhtin (International Water Management Institute, Sri Lanka)**

**Mr Bruce Stewart (World Meteorological Organisation )**

**Mr Andrew Allan (International Water Law Research Institute, UK)**

**Mr Abu Saleh Khan (Bangladesh)**

**Dr Magheb Hussein (Iraq)**

# Session 6.4.4

Room 5, Feshane Halic Hall  
Saturday 21 March, 11:00 – 13:00

**Action to ensure data for all**

Chaired by Mike Muller and Rob Vertessy

## Session 6.4.4

***What actions can be taken  
to ensure that we have  
sufficient data and that we  
have access to them?***



# Topic 6.4 Organisers



# Topic 6.4 Organisers



Thank you

Teşekkür Ederim