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WATER FOR LIFE
2005-2015

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International
Water Management
Institute

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UN-Water Project on Safe Use of Wastewater in Agriculture

Africa · Asia · Latin America

**Recap of the International Kick-off,
previous Regional Workshops;
Scope of the 5th Regional Workshop**

Dr. Jens Liebe, UNW-DPC

“Wastewater” is a resource

Wastewater use can ...

- ...reduce pressure on freshwater resources
- ...improve food production, nutritional status
- ...save fertilizers and energy

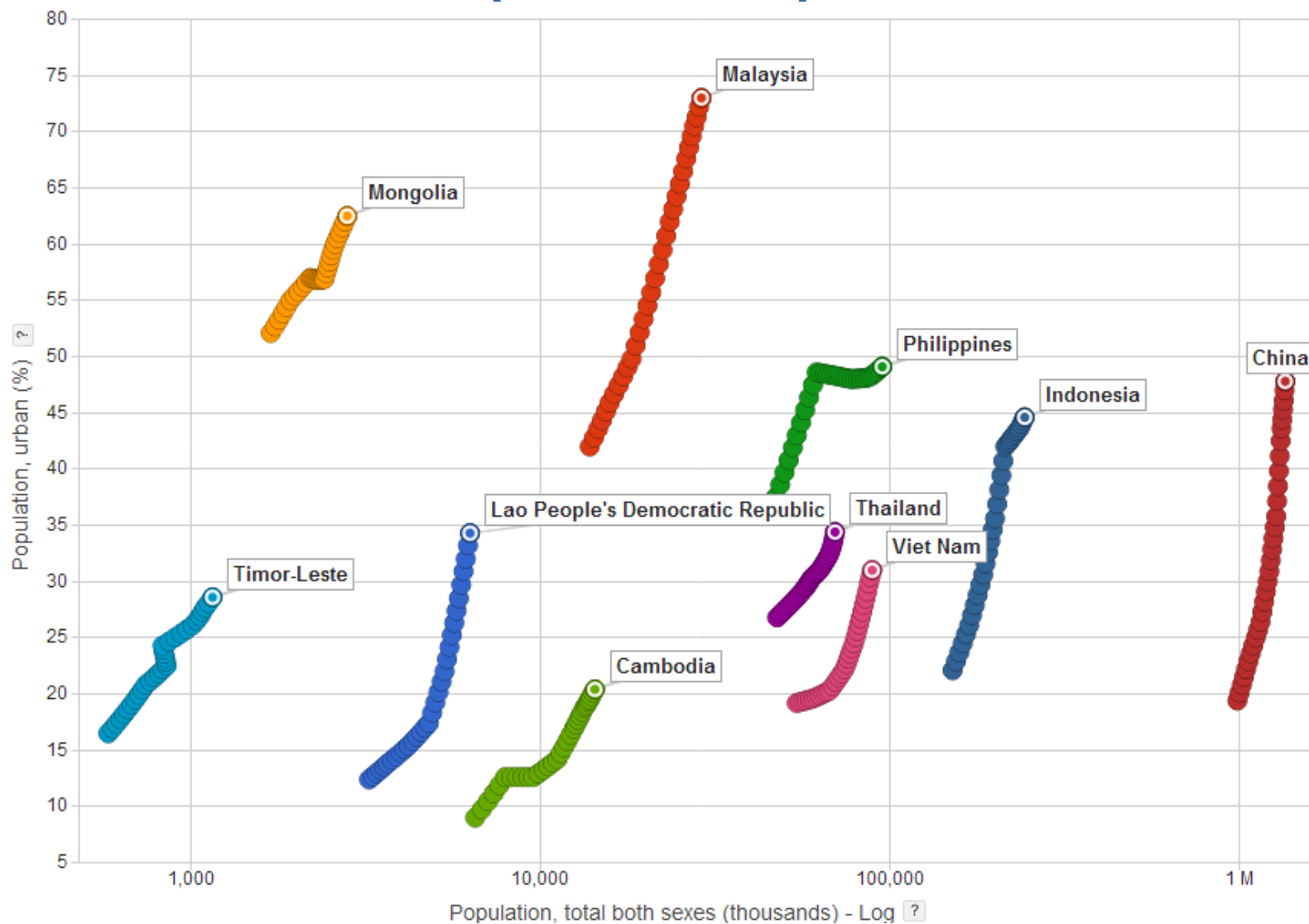
How can member states be supported in promoting safe practices where wastewater is used in agriculture?

“Wastewater” use

In many countries

- Wastewater use is a reality (whether there are regulations in place or not)
- Wastewater use will become more important

Population growth and urbanization (1980-2011)

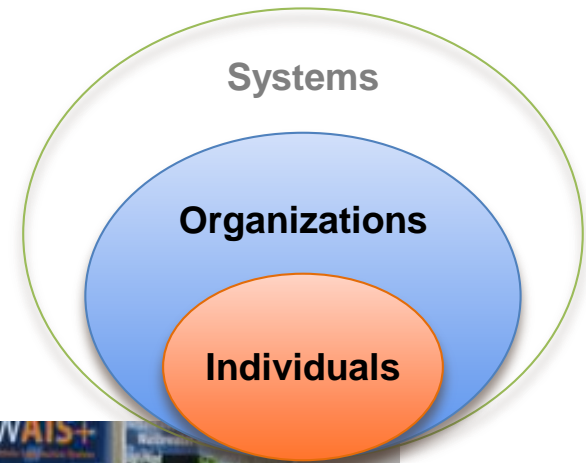


Data from Human Development Report 2011, United Nations Development Programme Last updated: Nov 2, 2011

Goal

Qualified people in **key organizations** to formulate the right **policies** and put into practice the **safe use of wastewater in agriculture**.

- Materials and methods
- Dissemination strategy
- Capacity building action plan



Wastewater - a multidisciplinary issue

Bringing people together

- UN-Water members and partners
- Country delegates from different disciplines
- Participants from different countries

→ ***step towards safer practices***



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Safe Use of Wastewater in Agriculture

Bonn2011 Conference
The Water, Energy and Food Security Nexus
Solutions for the Green Economy
16 - 18 November 2011



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Phases of capacity building at the individual/organization level

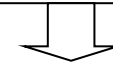
Phase I:
Individual Capacity Needs
Assessment (CNA)

Phase II:
International workshop
November 2011

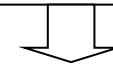
Phase III:
Regional workshops
February 2012 to March 2013

Phase IV:
Wrap-up workshop
May 2013

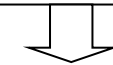
National Reports



Gap Assessment



**Capacity building action plan at
the individual/organization level**



**Implementation of
Recommended
Actions**

**New CNA at the
intitution/system level**

Safe Use of Wastewater in Agriculture

Workshop title	No. of Countries	No. of Participants
International Kick-Off	13	23
1 st Regional Workshop for Francophone and Northern Africa	17	27
2 nd Regional Workshop for South, West and Central Asia	11	21
3 rd Regional Workshop for Anglophone Africa	20	36
4 th Regional Workshop for Latin America and the Caribbean	13	29
5 th Regional Workshop for Southeast and Eastern Asia	10	29
Total	73 (unique)	165



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Regional Workshops

Francophone & Northern Africa

South, West & Central Asia

Anglophone Africa

Latin America & the Caribbean

Southeast and Eastern Asia

Capacity Needs Assessment



Annex - II

1. **Assessment of health risk**
2. **Health protection measures**
3. **Monitoring and system assessment**
4. **Crop production aspects**
5. **Environmental aspects**
6. **Socio-cultural aspects**
7. **Economic & financial considerations**
8. **Policy aspects**

Capacity needs

Francophone & Northern Africa

1. Health risk assessment
2. Health protection monitoring
3. Resource efficiency

Anglophone Africa

1. Economic & financial considerations
2. Health risk assessment
3. Monitoring & System assessment

After workshop

1. Economic & financial considerations
2. Policy Aspects
3. Monitoring & System assessment

South, West, and Central Asia

1. Monitoring & System assessment
2. Economic & financial considerations
3. Health risk assessment/Health protection monitoring

Latin America & the Caribbean

1. Economic & financial considerations
2. Environmental aspects
3. Health risk assessment

After workshop

1. Health risk assessment
2. Policy Aspects
3. Socio-cultural aspects

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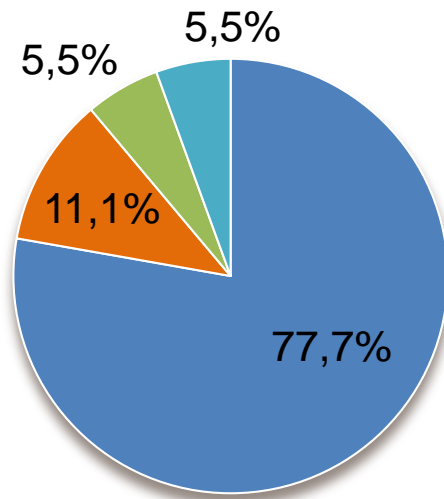
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UN-Water Project on Safe Use of Wastewater in Agriculture

5th Regional Workshop

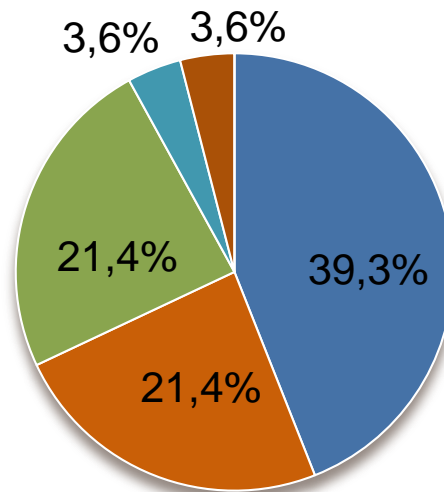
*Cambodia · China · Indonesia · Lao PDR ·
Malaysia · Mongolia · Philippines · Thailand ·
Timor-Leste · Vietnam*

Background of the participants of this workshop



Organizational background

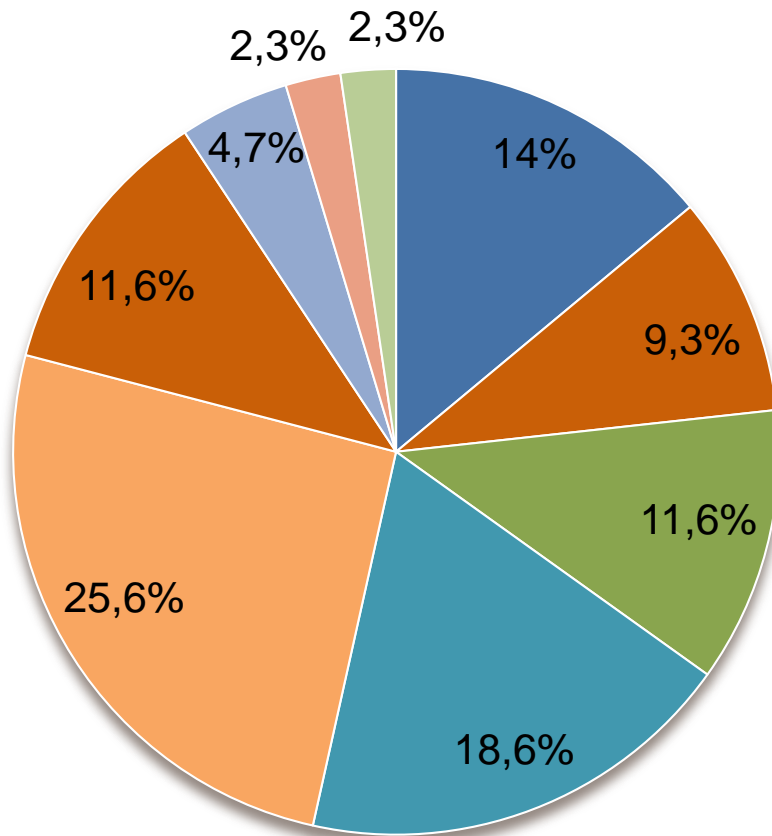
- Government
- Other:
- Research & Development
- Non Governmental Organization



Your daily activities

- Management / strategy
- Policy
- Research & development
- Administration / finance / human resources
- Production / operation
- Marketing / public relations

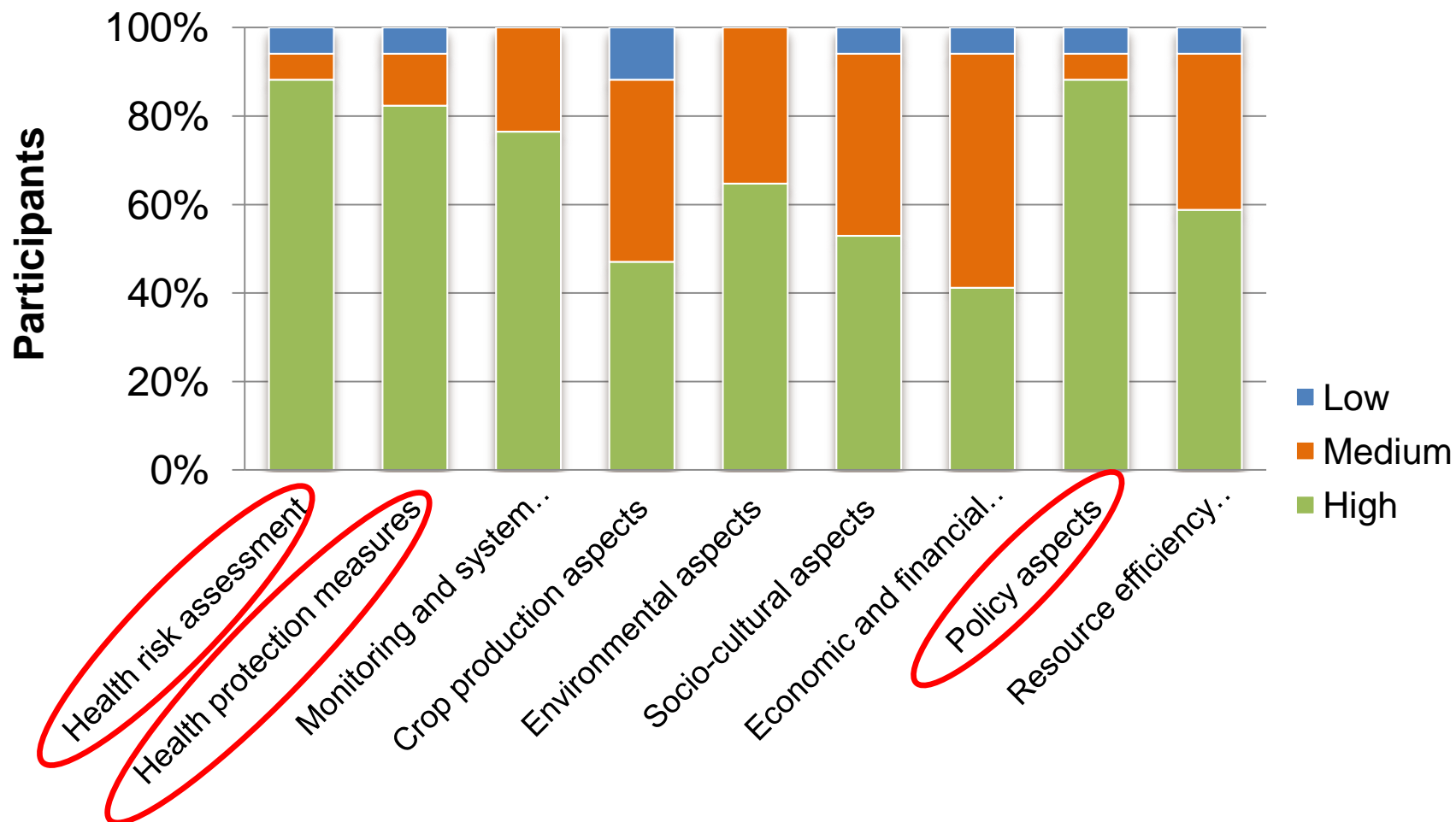
Background of the participants of this workshop



Your disciplines

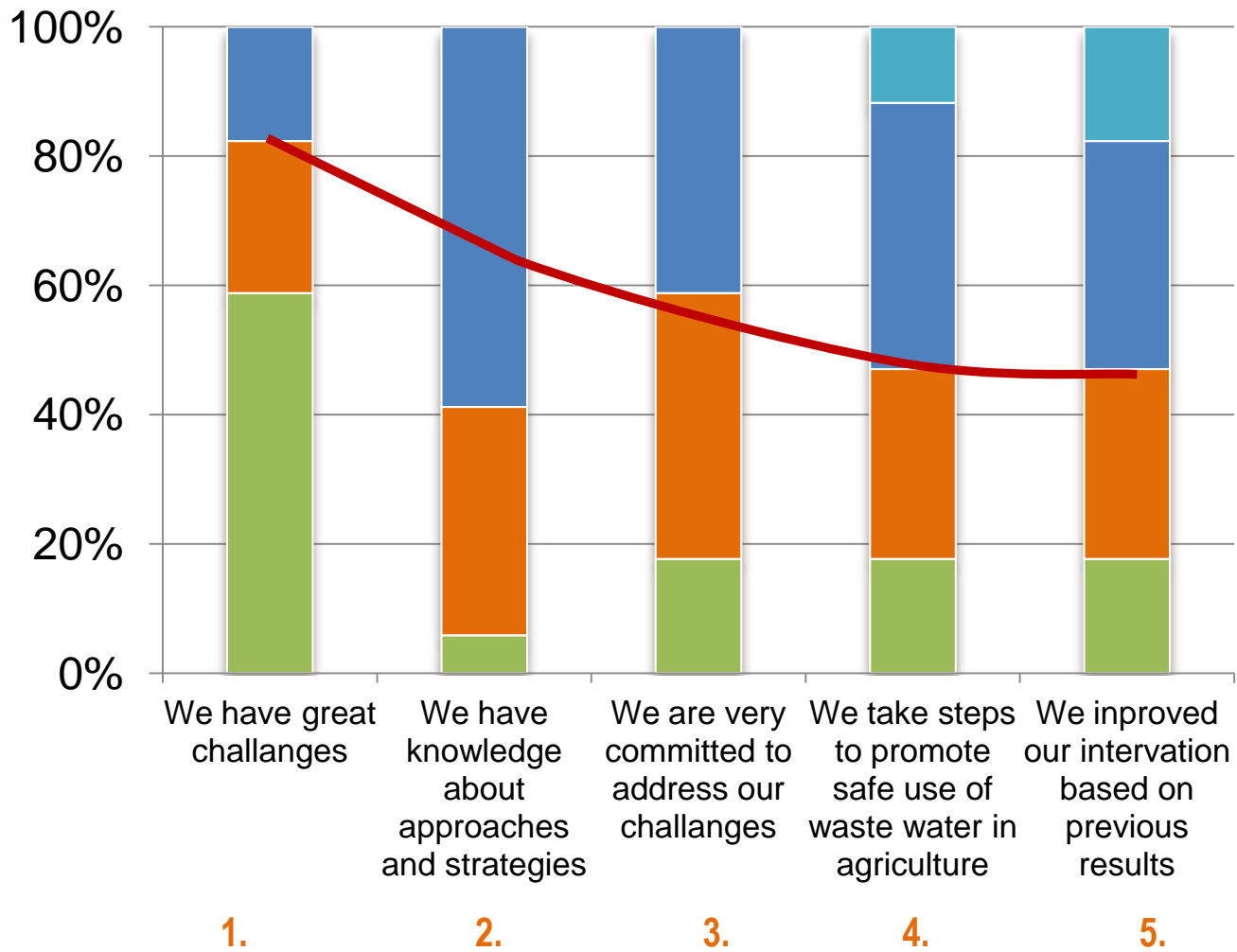
- Water resources management
- Wastewater treatment / management
- Water infrastructure (supply / sanitation)
- Irrigation
- Environment
- Health
- Outreach / awareness / education
- Agriculture
- Other

Capacity needs Southeast and Eastern Asia



Based on 10 countries, 17 participants

The situation in your countries



- Strongly Disagree
- Somewhat Disagree
- Somewhat Agree
- Strongly Agree

“LEARNING CURVE”:

1. Awareness
2. Understanding
3. Commitment
4. Action
5. Reflection

What you want to learn

“Experiences shared by participants and related policies on use of wastewater in agriculture”

“The best practices and strategies in making safe use of wastewater in agriculture a priority in my country”

“Knowledge and experiences from the experts and other countries about the wastewater use in agriculture”

„The **approaches** to manage safe sanitation and wastewater use ”

“The good and bad experiences from other countries about safe use of wastewater in agriculture and how they deal with those challenges”

What you want to share

“I want to share our initiatives and efforts, existing regulations and how we were able to implement these”

“The research of wastewater treatment in my country.”

“I would like to share my real condition in my country with other countries for safe use wastewater in agriculture.”

“Current situation of wastewater and its potential use in agriculture in my country”

What you want to take home

“Guidance on proper use of wastewater in agriculture”

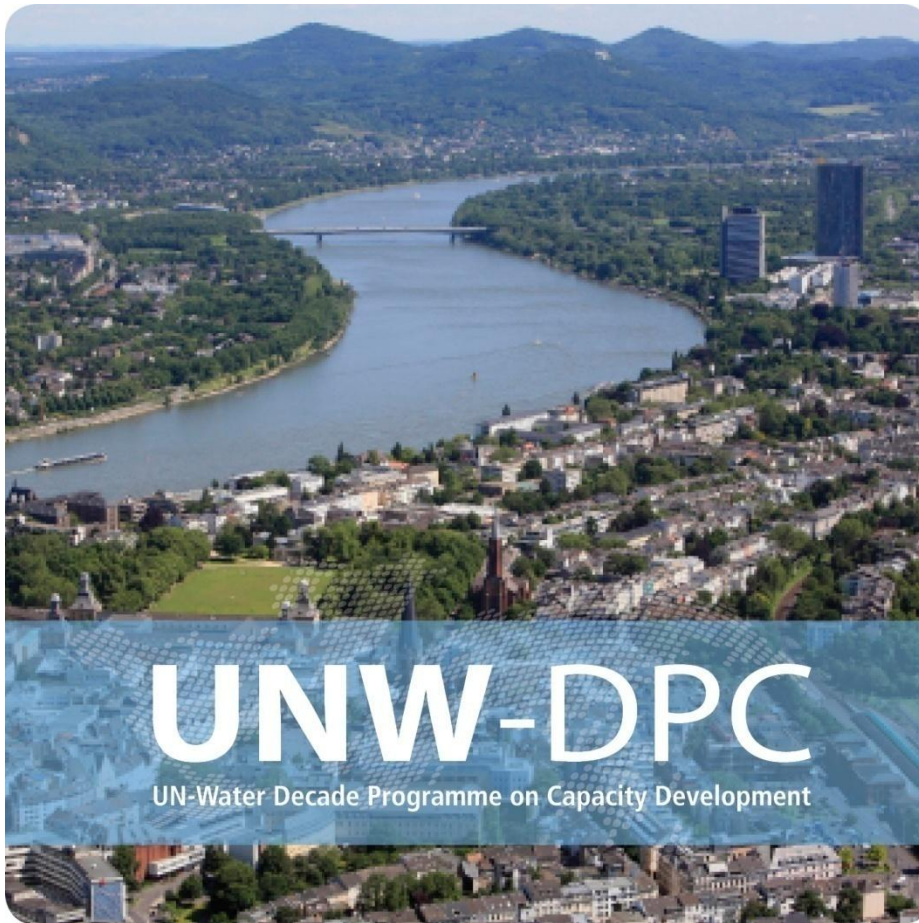
“New contacts and possible networks for continuous exchange of information and knowledge with regard to broader and wider safe use of wastewater”

“Technologies/experiences/skills of safe use of wastewater in agriculture”

“Recommendations on the safe use of wastewater in terms of technical, management as well as governance.”

Thank you!

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UN-Water Decade Programme on Capacity Development (UNW-DPC)

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