



United Nations
Educational, Scientific and
Cultural Organization



International
Hydrological
Programme

Impactful Investments in Water Efficient Infrastructures:

Inputs to the 3rd Asia-Pacific Water Summit

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Question 3

The international dimension - 1

- More than 250 international river basins and more than half of the world's large continental aquifers are **shared** between two or more countries.
- However, management of shared water resources - and investment planning - remain largely organized along national boundaries with limited consideration of the resource.
- The achievement of SDG6 and associated targets **will be compromised** without:
 - Reliable quality data
 - Science and technology based best practices and SOPs and quality human capacity
 - Multi-level initiatives (national, regional, global)
 - Financial resources

SA1



Slide 2

SA1

exchange of knowledge, hydrometeorological data and SOPs and coordination of infrastructure investments and management.

Sugiura, Ai, 9/6/2017

SA2 Question 3

The international dimension - 2

- International organizations and networks are ***uniquely placed to promote and facilitate transboundary cooperation and joint management*** through their role as ***neutral brokers and conveners***.
- IWRM offers a mechanism through which to ***effectively mobilize transboundary cooperation*** and exchange.
- ***Sharing of data and research through international exchange facilitated by international networks*** serve as a first step towards broader enabling environment, eventually comprising joint research, basin planning and investment coordination
- International networks and organizations provide a platform from which to ***launch and stimulate transboundary IWRM initiatives***.



Slide 3

SA2

may be this can be said when you explain the slide on IHP activity?

Sugiura, Ai, 9/6/2017

Question 3

The international dimension - 3

- UNESCO contribution through the **International Hydrological Programme**



- ***IHP Regional Steering Committee Meeting*** gathering IHP National Committees composed of water related governmental institutions, practitioners, academia and research sectors of 17 Member states in the region (including the 6 Mekong River basins MS)



- ***Flagship project on Flood Management on Indus River Basin*** supported by JICA including the promotion of transboundary hydrometeorological sharing between Indus River Basin countries (mainly Afghanistan, Pakistan and India)



- ***Two international initiatives for water-related disasters:***

- International Flood Initiative (Secretariat in ICHARM, Japan), a multi-UN initiative gathering WMO, UNU, UNISDR
- International Drought Initiative (Secretariat in RCUWM-Tehran, Iran)
- International Sediment Initiative (Secretariat in IRCTES, China)



Question 4

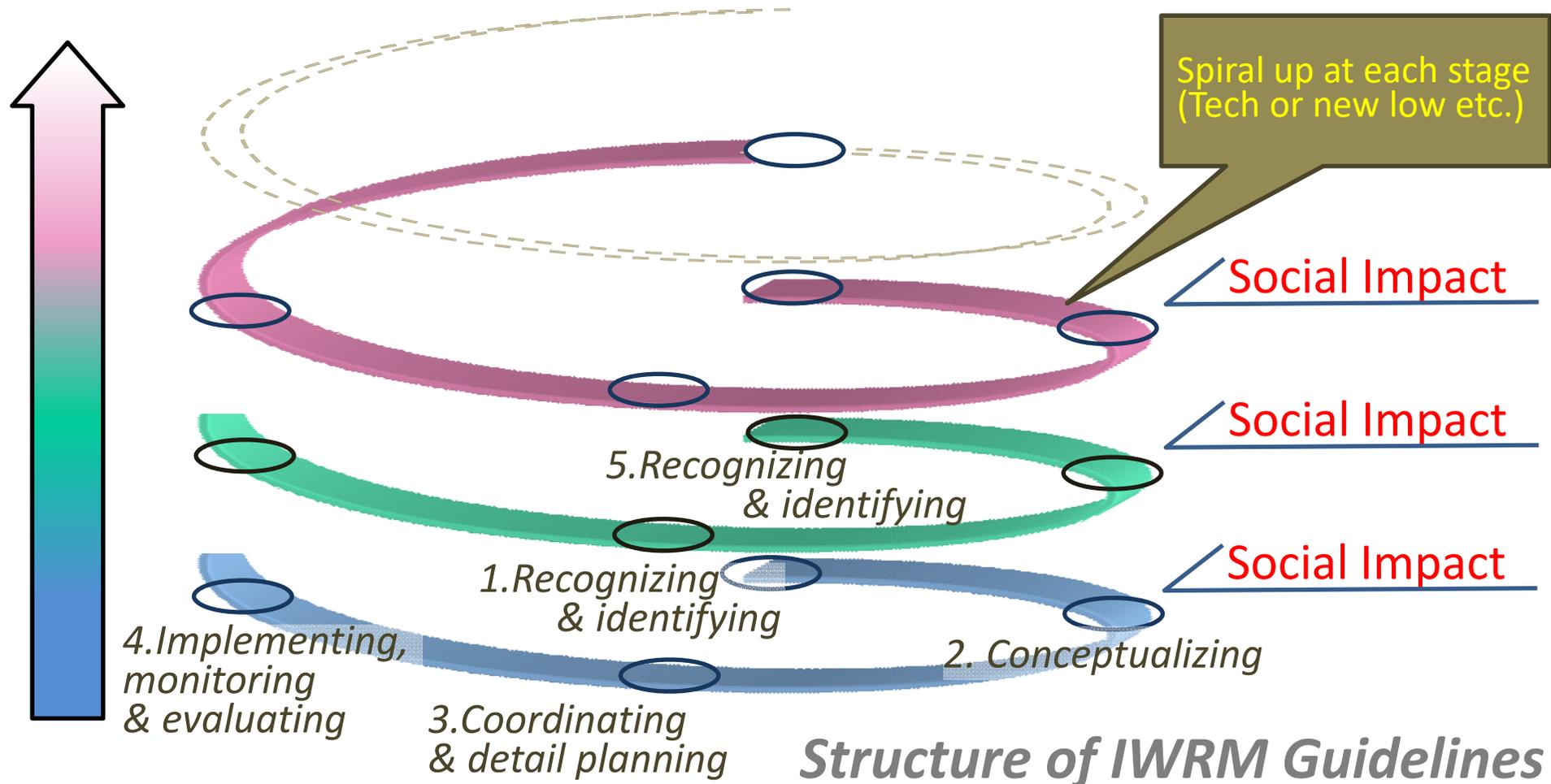
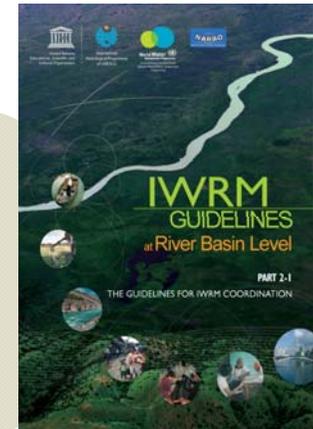
Efficient infrastructures

- For investments in infrastructure to be efficient, ***complementary consideration of “soft” infrastructures – knowledge and data mobilisation sharing infrastructure – is essential.***
- Knowledge infrastructure is understood as ***networks of people and institutions that generate, share, and maintain specific knowledge and data*** about the human and natural worlds.
- ***IWRM offers a mechanism through which to construct appropriate knowledge infrastructure*** to inform investment planning.
- 3rd APWS should reflect the essential need to ***support and nurture knowledge infrastructure*** – mobilized through IWRM and facilitated at the transboundary level by international networks and organizations – for the 2030 Agenda and the SDGs.



“Spiral” Model of IWRM

The IWRM process at the river basin level is illustrated by a “**spiral**”. New solutions are added at each stage, responding to evolving needs and social, economic and environmental circumstances, through facilitating agreements among basin stakeholders on the necessary trade-offs.





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Thank you



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