

UNITED NATIONS  
UNIVERSITY

**UNU-INWEH**

Institute for Water,  
Environment and Health

**Building Evidence for Water-related Policy Making: The SDG 6 Policy Support System (SDG-PSS)**

# **Experiences in using SDG 6.0 PSS in Pakistan**

**Muhammad Ashraf  
Bareerah Fatima**

**Pakistan Council of Research in Water Resources (PCRWR)**

**June 7, 2022, Dushanbe**

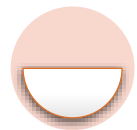
# Complex Water Resources Sector of Pakistan

## World's Largest Surface and Groundwater Resources

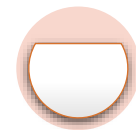
- One of the largest contiguous irrigation systems in the world
- One of the largest groundwater resources in the world (4<sup>th</sup> after India, USA and China)
- Groundwater supplements over 60% of the surface water supplies
- Over 90% of drinking water and 100% of industrial water comes from groundwater
- Rainfed farming 12 Mha- rainfall 200mm to 100 mm



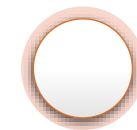
Agriculture-  
Surface water  
Provincial govt



All sector-  
Groundwater  
Domestic and  
Industry

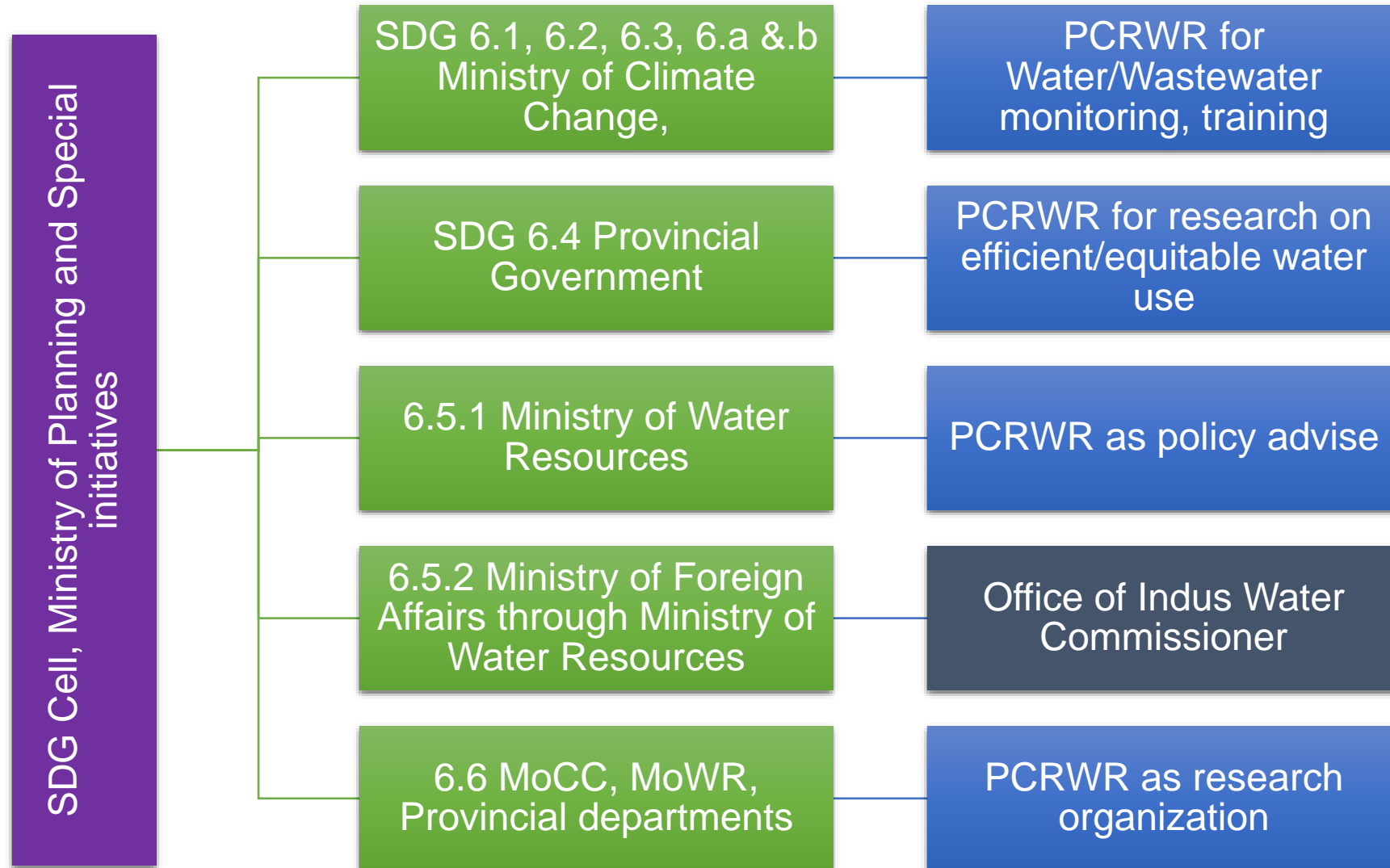


Wastewater  
Domestic and  
Industry

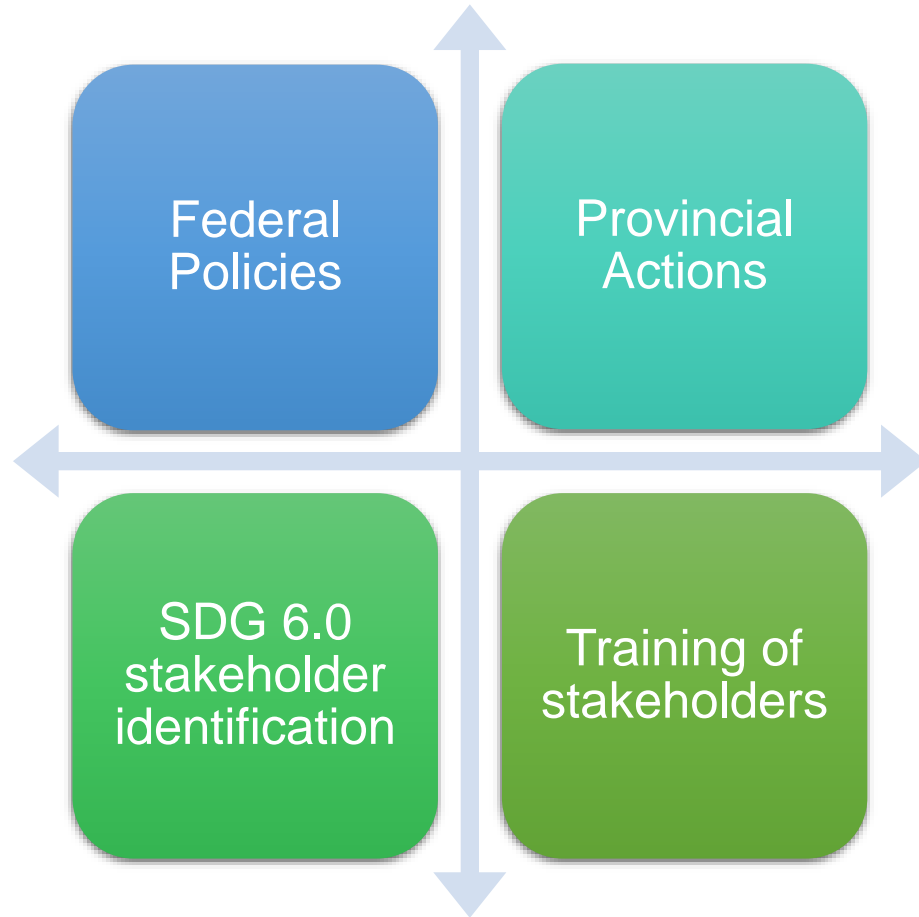


Water  
ecosystem  
Federal  
Government

# SDG 6.0-Institutions in Pakistan



# SDG PSS help in Policy implementation

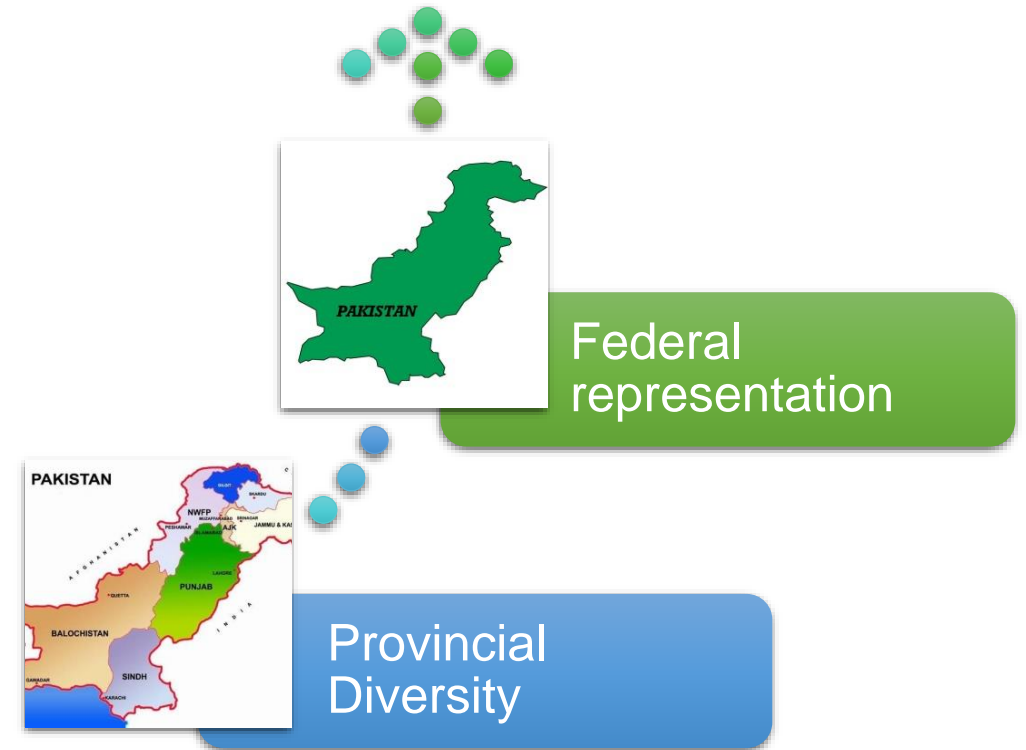


- A catalog of policies and their custodian institutions
- How well is the provincial government planning for SDG 6.0
- Development of SDG 6.0 understanding among stakeholders
- Helped stakeholder organizations to recognize/define their role in SDG 6.0

# SDG PSS help in Developing Stronger Coordination

Coordination among different stakeholder organizations;

- Federal and Provincial Government
- Provincial government and district government
- All stakeholders of SDG 6.0;
  - Public Health Engineering Department,
  - Water Supply/sanitation companies
  - Water and Sanitation Authorities
  - Provincial Disaster Management Authority
  - Environment Protection Authority
  - Provincial Irrigation Department
  - Provincial Agriculture Department
  - Academia
  - NGOs working on WASH and the environment
  - Forest Department





# Coordination development process



Step by  
step  
Handbook

National  
workshop

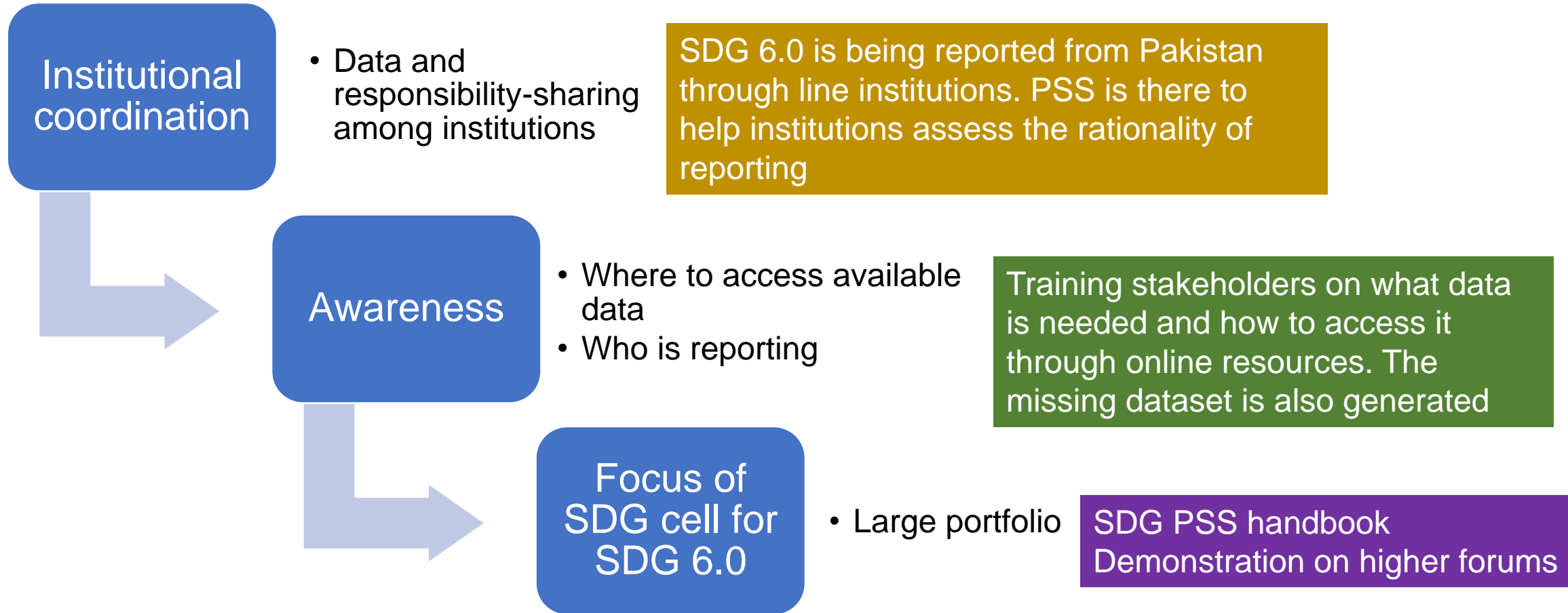
Developed  
in-house  
capacity

Provincial  
workshops  
(66  
persons)

Interaction



# Data Collection and Processing Challenge



# Facts of SDG 6.0 status

SDG 6.3.1. No final data exist/reported

SDG 6.4.1. 95% of freshwater is consumed in agriculture, therefore GDP value-added/m<sup>3</sup> = 2\$

SDG 6.4.2. Fresh water withdrawal/available resources= 118%

SDG 6.5.1. Improved from 50 to 56 during 2017-2020

SDG 6.5.2. Status to remain static at 47%

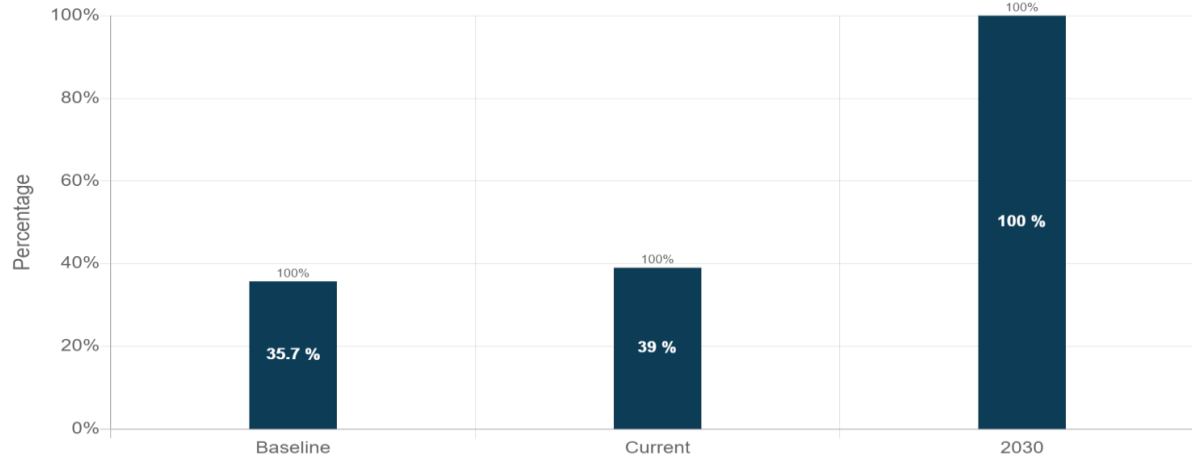
SDG 6.6. 33% of extent of fresh water bodies/lakes is gained

SDG 6.a.1 ODA and government funding increased in Water, Sanitation and Agriculture sectors

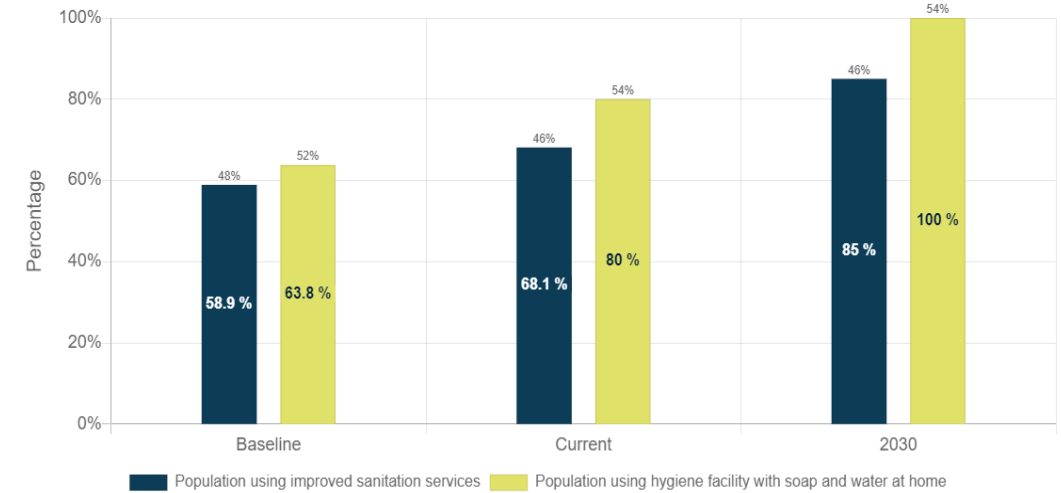


# SDG 6.0 reporting with PCRWR assistance

6.1.1 Proportion of population using safely managed drinking water services

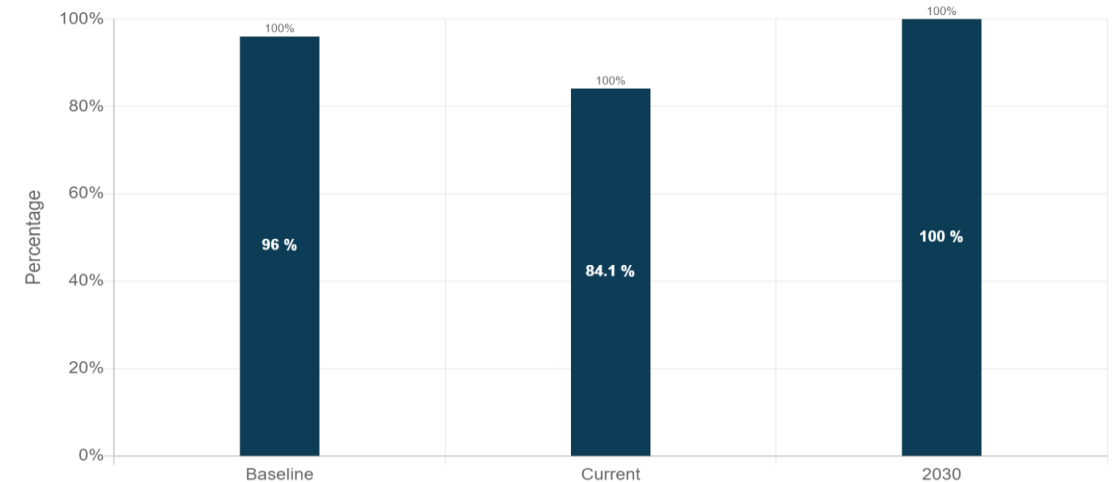


6.2.1 Proportion of population using safely managed sanitation services



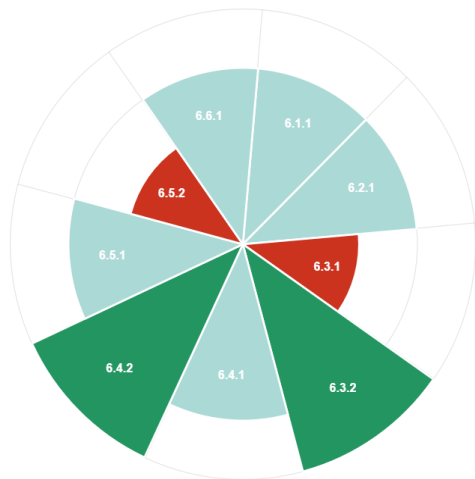
- Climate Change
- Land use/land cover changes
- Role of Agriculture
- Natural Disaster

6.3.2 Proportion of water bodies with good ambient water quality

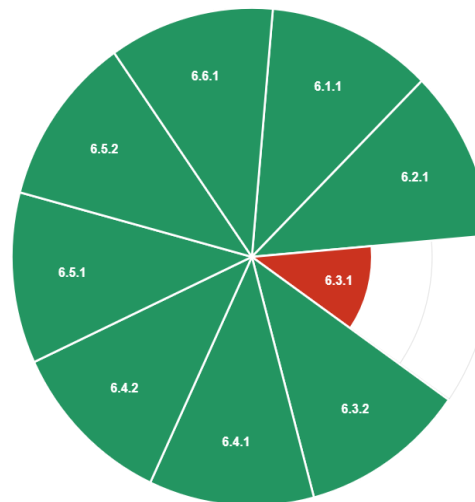


# Status of enabling elements as per PSS

Lead Ministries/Institutions on track to build critical capacity to support action plans for SDG 6 indicators



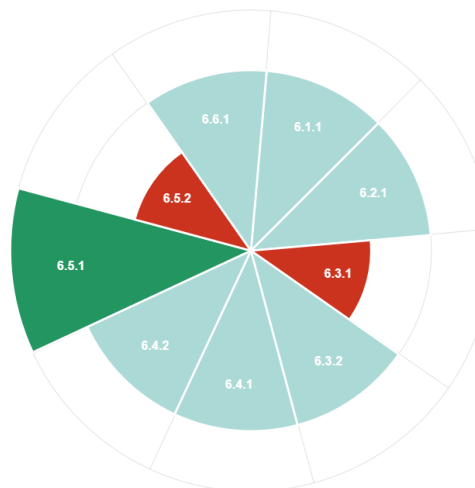
Securing different funding sources to support national policies and implementation for SDG 6 indicators



Mechanisms addressing capacity building at the national level for SDG 6 indicators

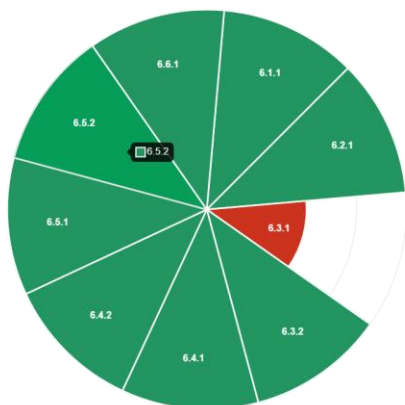


Mechanisms for including civil society in the financial planning process for SDG 6 indicators

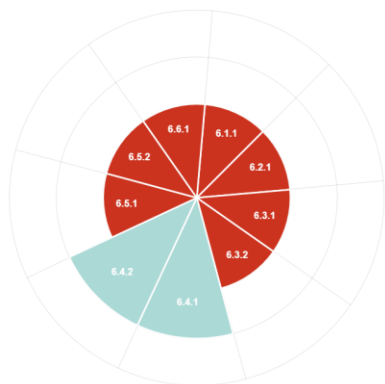


# Status of enabling elements as per PSS

National policies and implementation plans for SDG 6 indicators



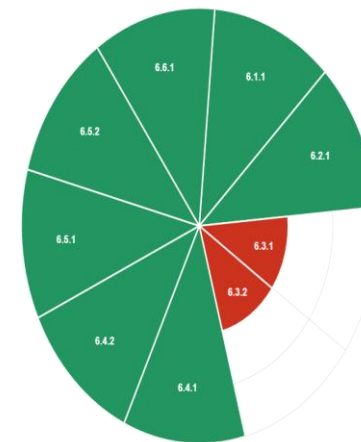
Cooperation with private sector to achieve SDG 6 indicators



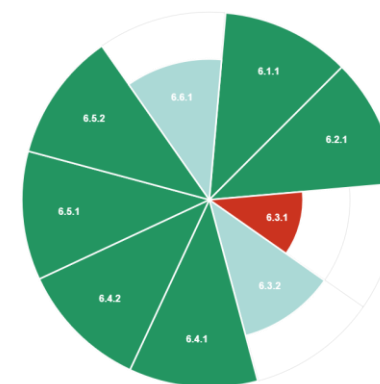
## Key Learning

- All line organizations are reporting to UN-water regarding SDG 6.0 for Pakistan
- PSS delineates key gaps to be filled with further discussion among stakeholders
- Advisory role of PCRWR to bridge the gap

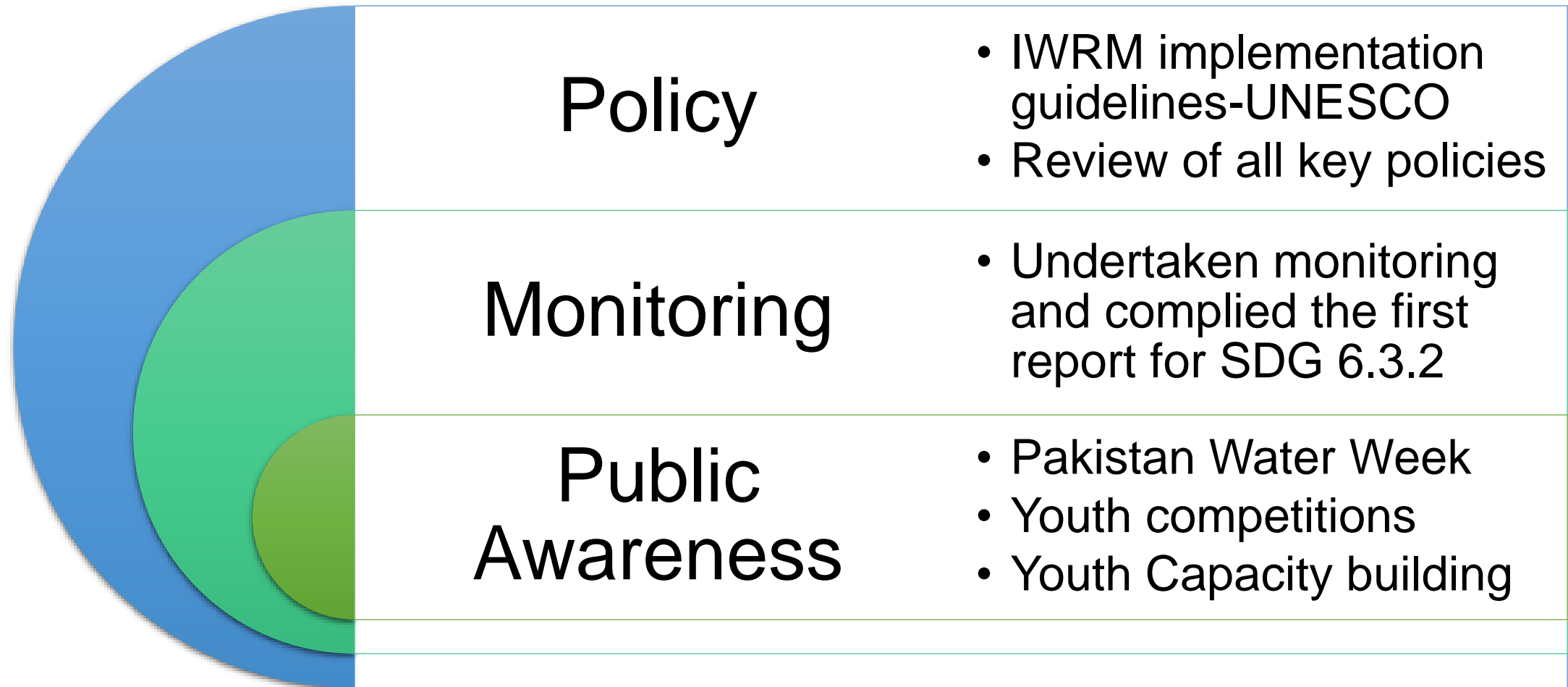
Mechanisms to reach specific population groups for SDG 6 indicators



Level of cooperation and exchange of information with other countries for SDG 6 indicators



# PCRWR' s Initiatives: Filling the knowledge gap



# The Way forward

## Challenge

- No technological challenge in the use

## Impact

- An understanding of SDG 6.0
- Perpetual initiatives of PCRWR for filling policy and data gap

## Suggestion

- Promotion of PSS use through the UNDP platform for generating an ownership by SDG cell

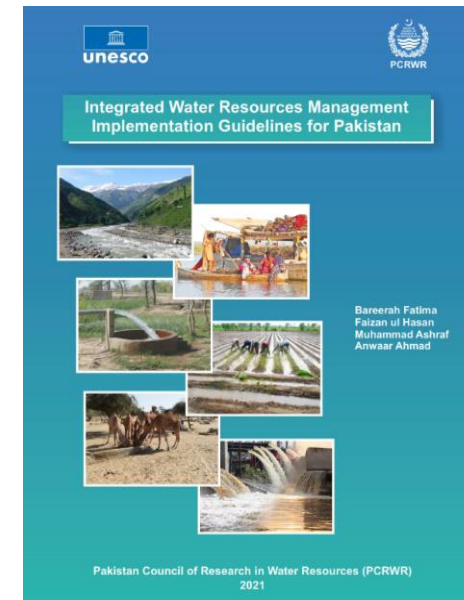
# Thank You

Visit us: [www.pcrwr.gov.pk](http://www.pcrwr.gov.pk)

Email: [breerahftm@gmail.com](mailto:breerahftm@gmail.com) , [muhammad\\_ashraf63@yahoo.com](mailto:muhammad_ashraf63@yahoo.com)



[Accelerating-the-Implementation-of-Water-Related-SDGs-in-Pakistan\\_2022.pdf](#)  
([pcrwr.gov.pk](http://pcrwr.gov.pk))



[IWRM Report \(1-9-2021\).cdr](#) ([pcrwr.gov.pk](http://pcrwr.gov.pk))