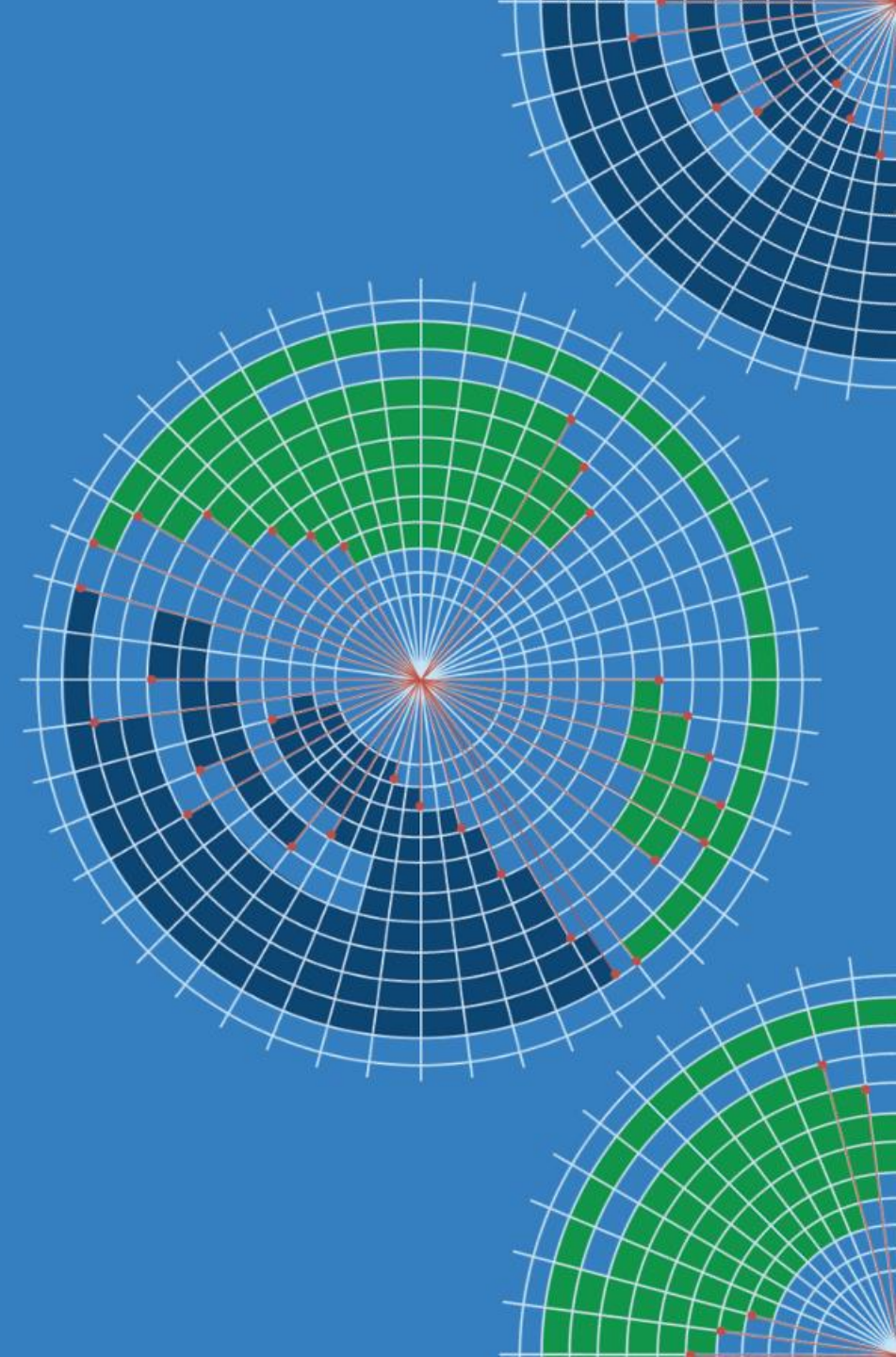




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Sharing cutting-edge knowledge on valuing natural capital & ecosystem services



Zambia's Water Accounts:

Process and Methodology

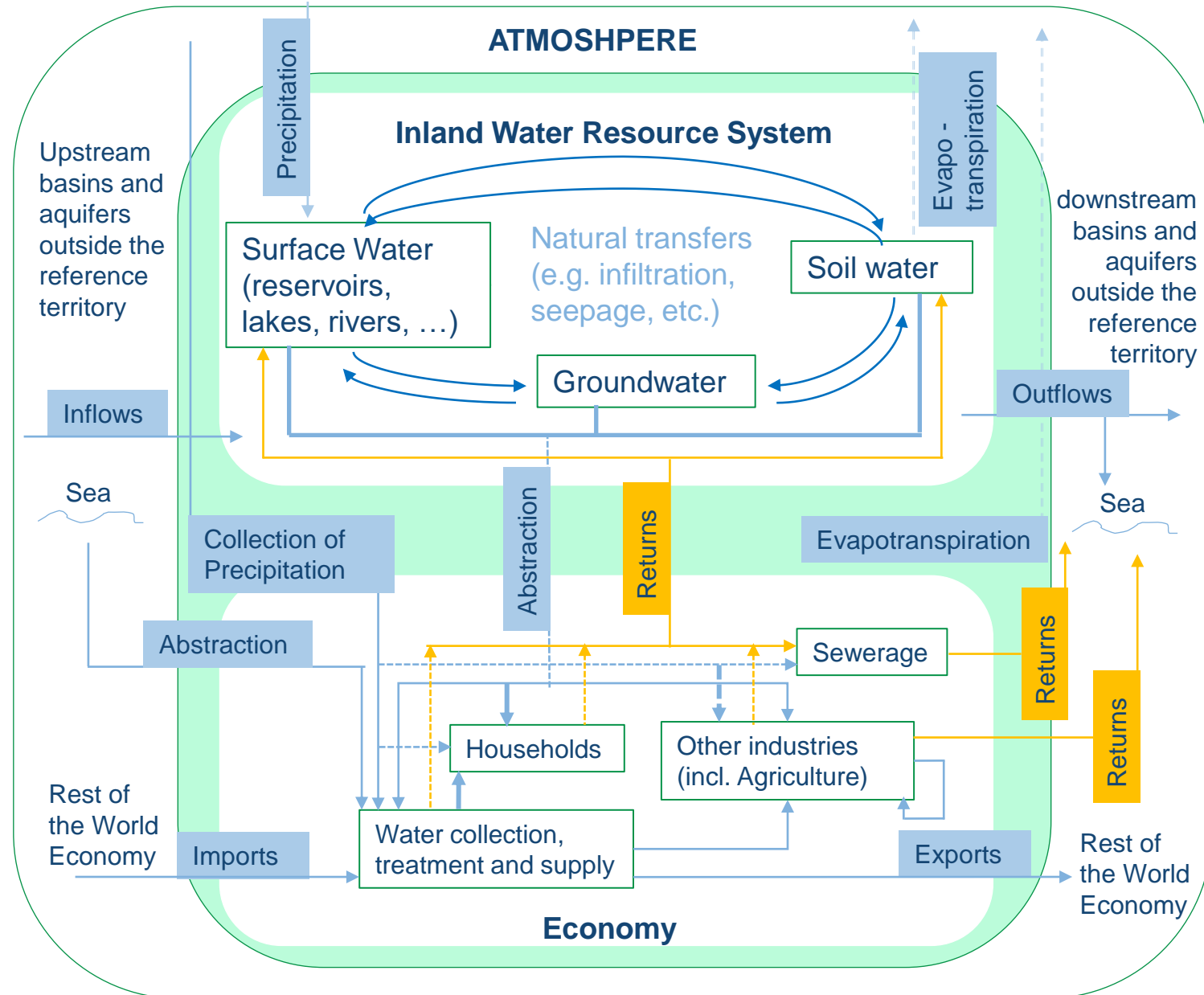
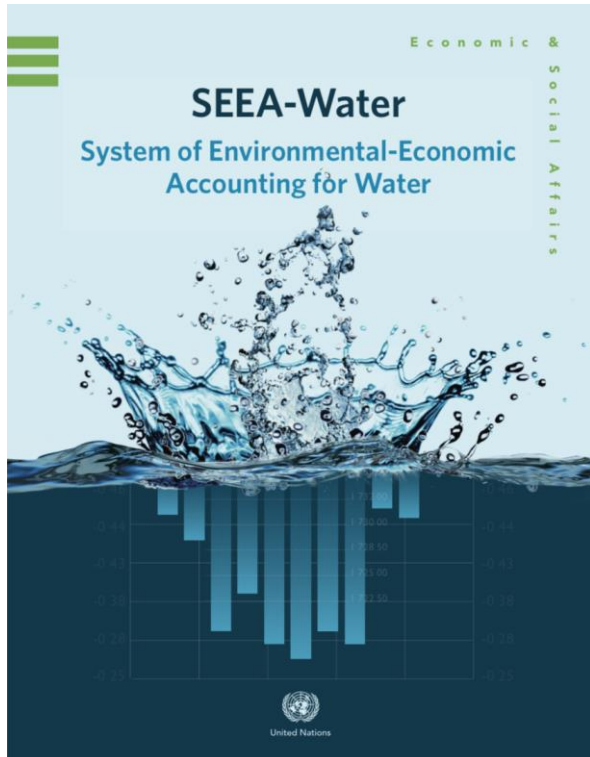
Mr. Melvin Sikazwe, Chief Planner - MWDS

July 26 2022

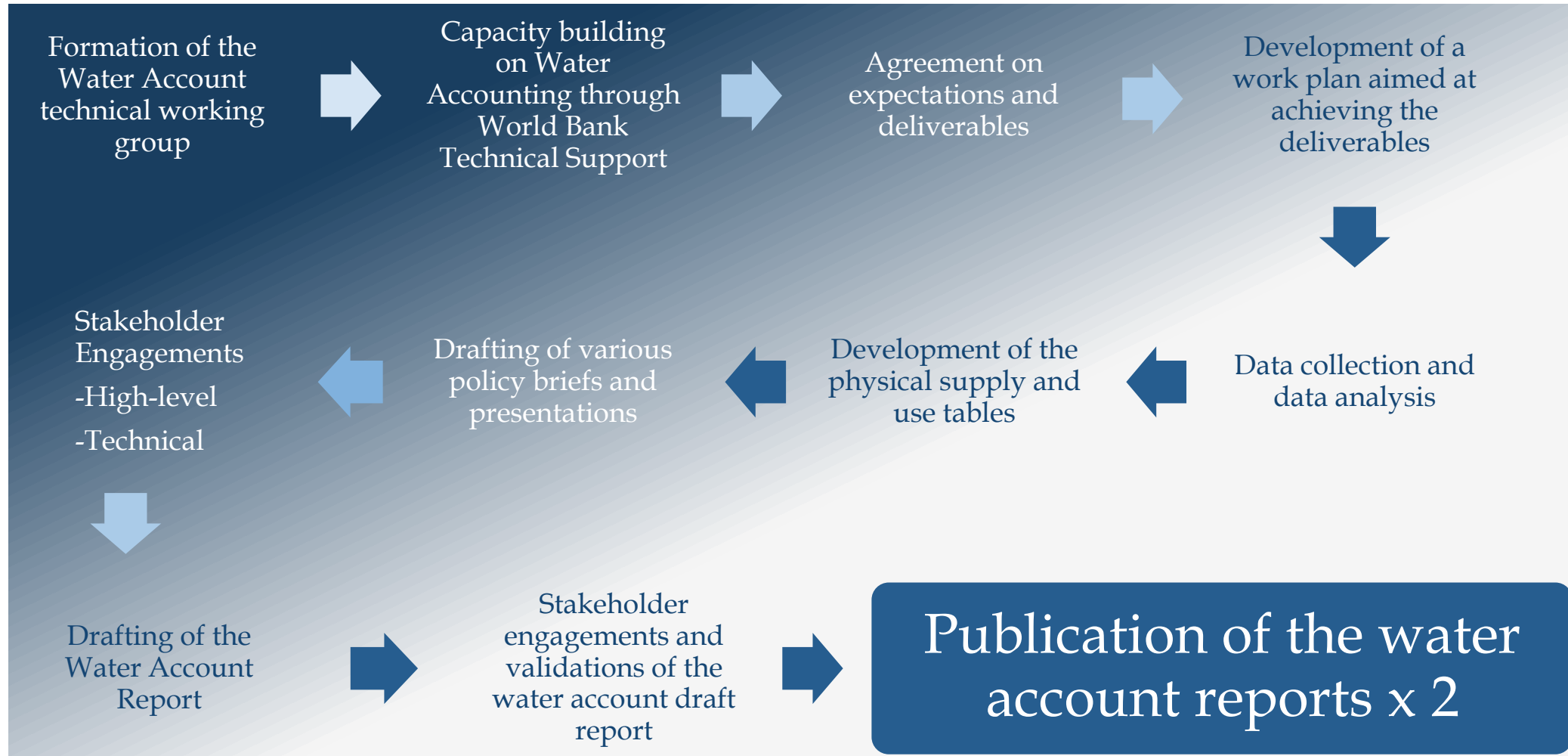


INTRODUCTION

- ❑ Stocks and flows
- ❑ Economy and environment
- ❑ Volume and values
- ❑ Water quality



DEVELOPMENT PROCESS





CHALLENGES



- ADMINISTRATIVE

- Need to move at the same pace with other NCAs sometimes slowed down progress on the Water Account.
- Lack of dedicated work programmes for water statistics and water accounting in mandated institutions [MWDS, ZAMSTATS & WARMA]
- Lack of mainstreaming of water accounting in the operations of key mandated institutions [MWDS, ZAMSTATS & WARMA]
- Limited pool of National experts to effectively develop water statistics and undertake water accounting
- Ad-hoc arrangements for working on the water accounts.
- Lack of legislative instruments to support or back the compilation of National Water Statistics and Water Accounts



CHALLENGES



- TECHNICAL

- General lack of National Water Statistics for Zambia following the International Recommendations on Water Statistics
- Heavy reliance on administrative data and estimates to fill in data gaps
- Lack of institutionalized and dedicated data centre for managing and processing of the water accounts (and water statistics).
 - Mostly done on personal laptops
- Lack of a National Data Collection Strategy
- Lack of a consolidated and integrated information management system for water
- Lack of data quality standards for water data



CHALLENGES

- **FINANCIAL**

- Lack of financing for development and implementation of a data collection strategy
- Lack of funding to allow a bottom-up approach to building the National Water Accounts

- **OTHER**

- Limited of awareness on the importance and applications of the water accounts



CAPACITY BUILT



- Capacity to utilize administrative data and scientific methods of data estimation to compile PSUTs and MSUTs
- Partial mainstreaming of Water Accounting into the operations of the Ministry of Water Development and Sanitation
- Re-designing the annual statistical bulletins to include key data from the Water Account Technical Reports
- Understanding of the difference between WASH statistics & Water Statistics based on the IRWS
- Water and Sanitation Survey formulation by MWDS & ZAMSTATS



IDENTIFIED GAPS



- Lack of dedicated and adequately capacitated Water Statistical Units in key mandated institutions to undertake water accounting and develop comprehensive national water statistics
- Lack of a national water and sanitation *[data]* survey programme
- Inadequate legal frameworks for water statistics and water accounting
- Limited financial arrangements to sustain the undertaking of national water accounting and development of water statistics
- Lack of research and training programmes in Water Accounting and Water Statistics in local training institutions



LESSONS LEARNT



- Very important to have clear roles and responsibilities of institutions and personnel involved in Water Accounting
- Coordination arrangements within and across participating institutions should be very clear and effective.
- Personnel involved in developing the Water Accounts should be incentivized and given time off other duties. The best would be to have people employed specifically to deal with water accounts.
- It is very important to ensure sustainability of water accounts beyond project interventions
- Proper water statistics are the bedrock of water accounting



LESSONS LEARNT

- The outcomes of water accounting should be synthesized into clear and concise policy briefs that are easy to understand by key decision and policy makers
- It is very important to continuously raise awareness about water accounting and water statistics and to ensure that the information generated is effectively applied to decision making and policy formulation
- Water Accounting is a multi-sectoral approach which should be anchored within the context of the System of National Accounts
- The SEEA - Water Central Framework is the basis of undertaking any Water Accounting assignment

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Thank You!

