

National Water Accounts: Past, Present and Future

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Overview

PAST

PAST:
History of
National
Water
Accounts

PRESENT

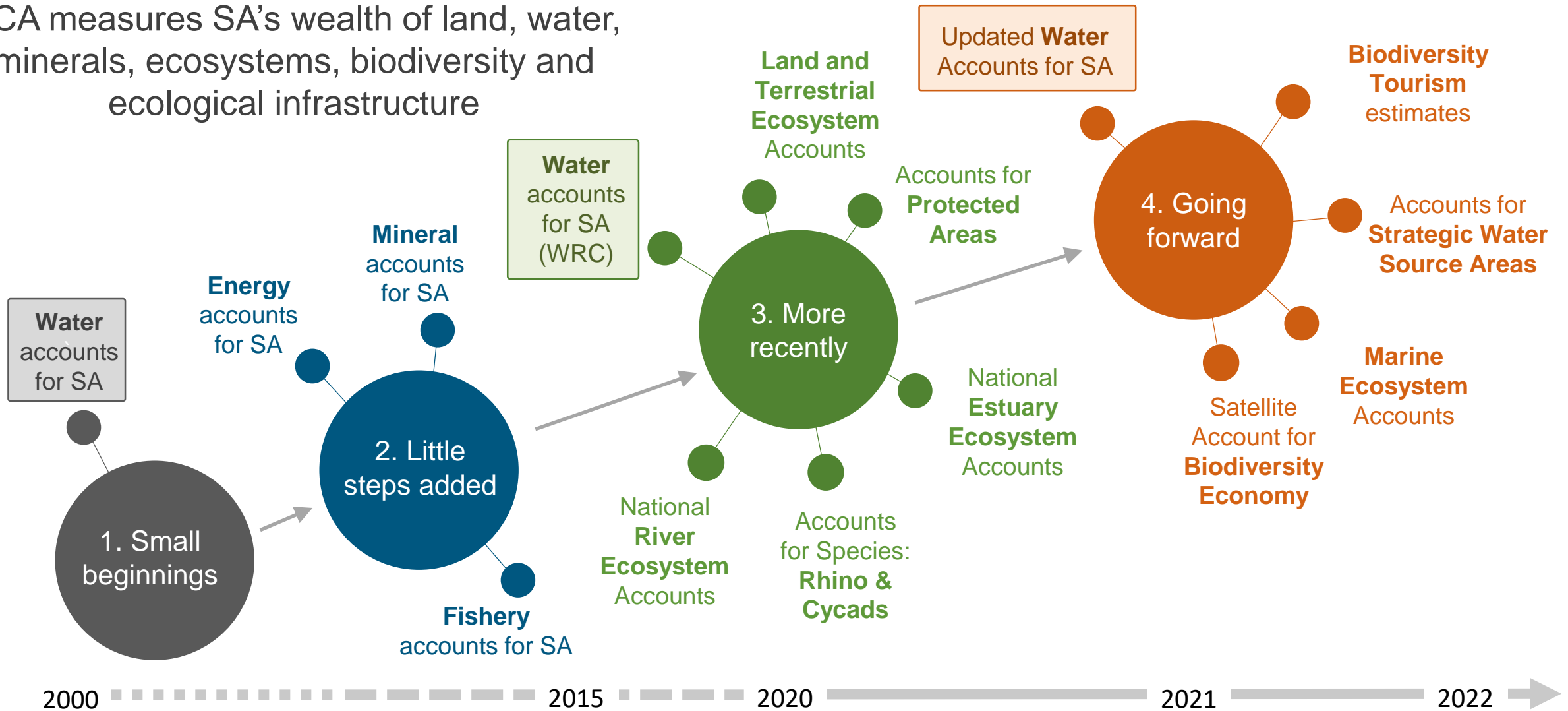
PRESENT
Current
workings of
National
Water
Accounts
for the
future.

FUTURE

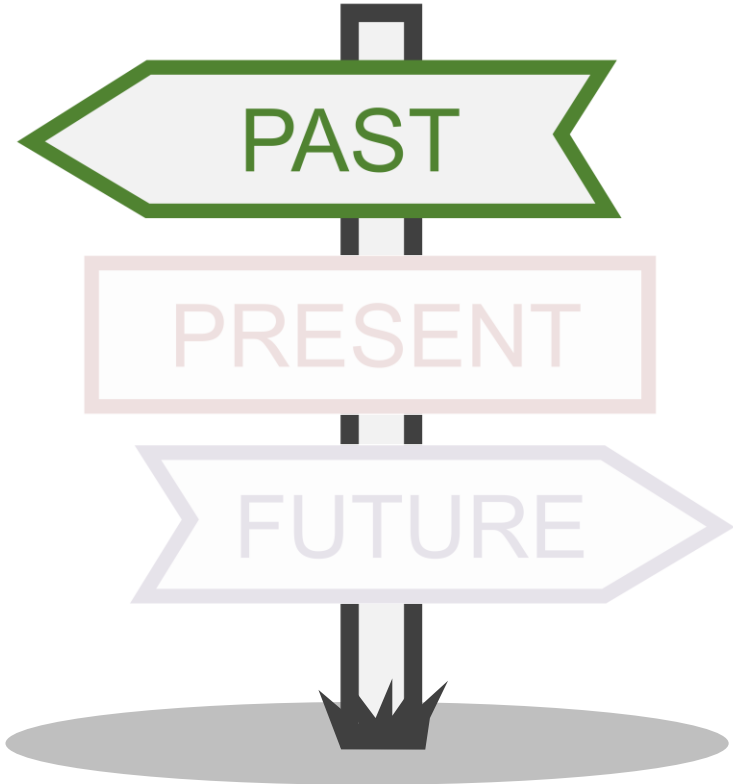
FUTURE:
The way
forward for
National
Water
Accounts

Snapshot of National Water Accounts in South Africa

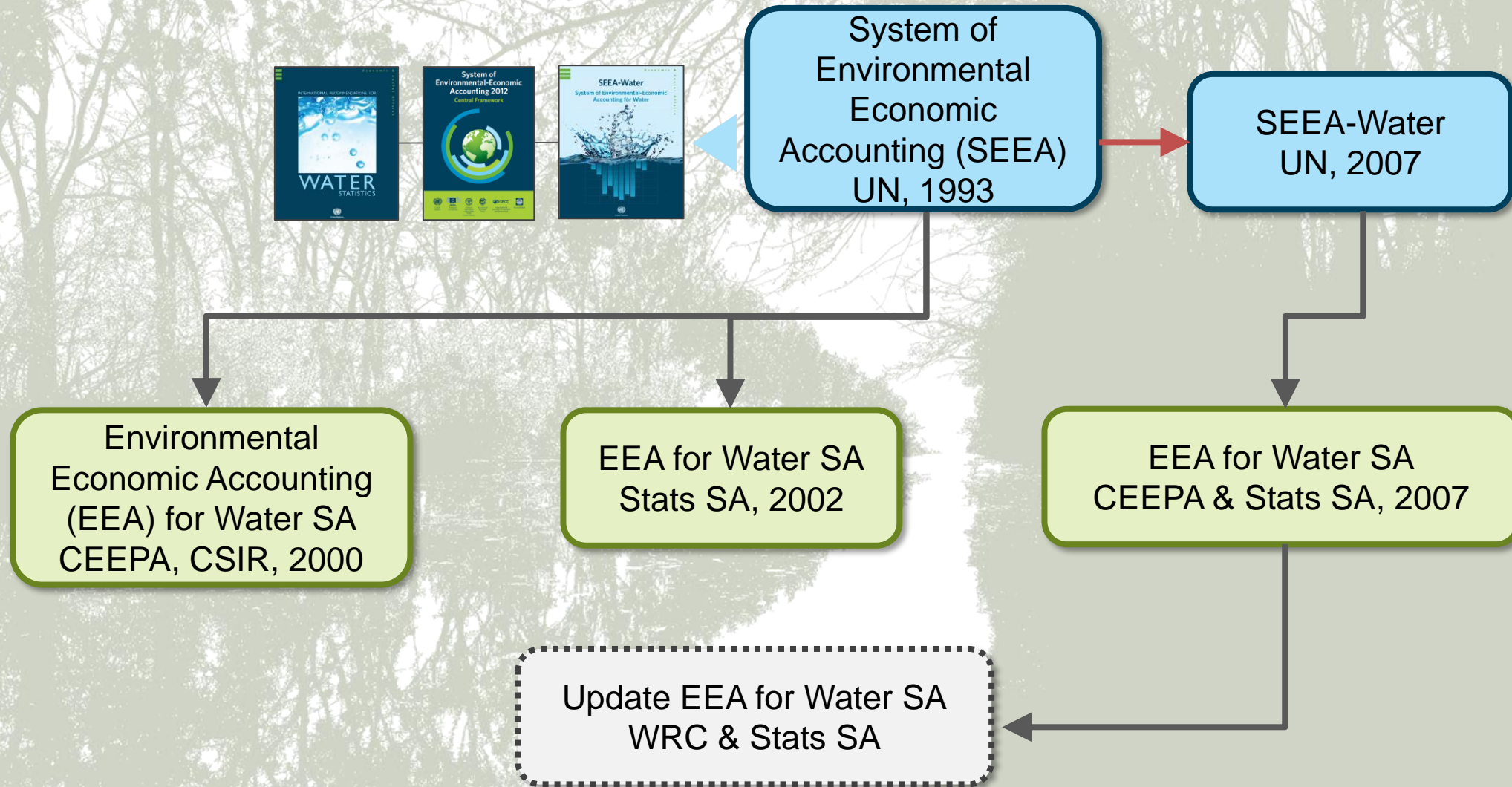
NCA measures SA's wealth of land, water, minerals, ecosystems, biodiversity and ecological infrastructure



History of National Water Accounts



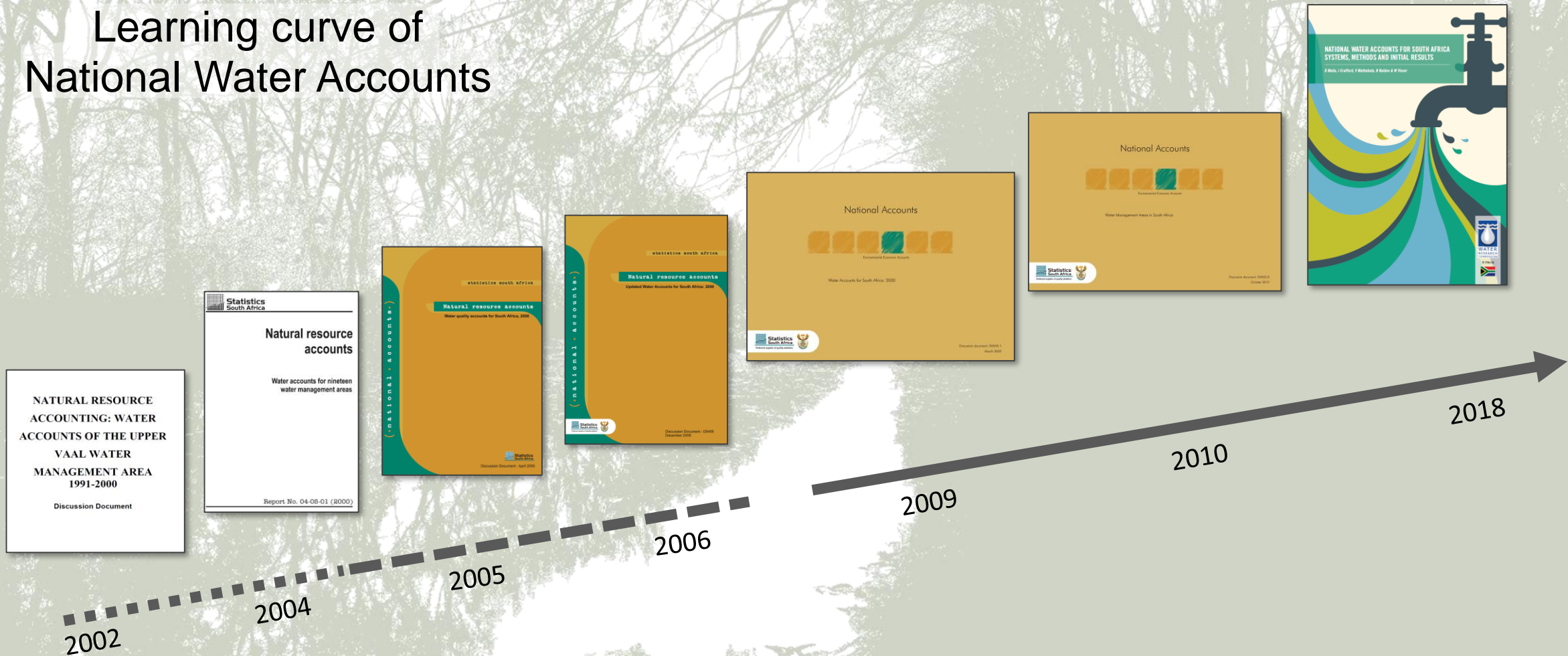
National Water Accounts – where did we start?



DWS

National Water Accounts – past publications

Learning curve of National Water Accounts



National Water Accounts – What information do the 2018 accounts provide?

1

Annual flow accounts, 2012 to 2016: volumes and value of water exchanges between the environment and the economy and water exchanges within the economy

2

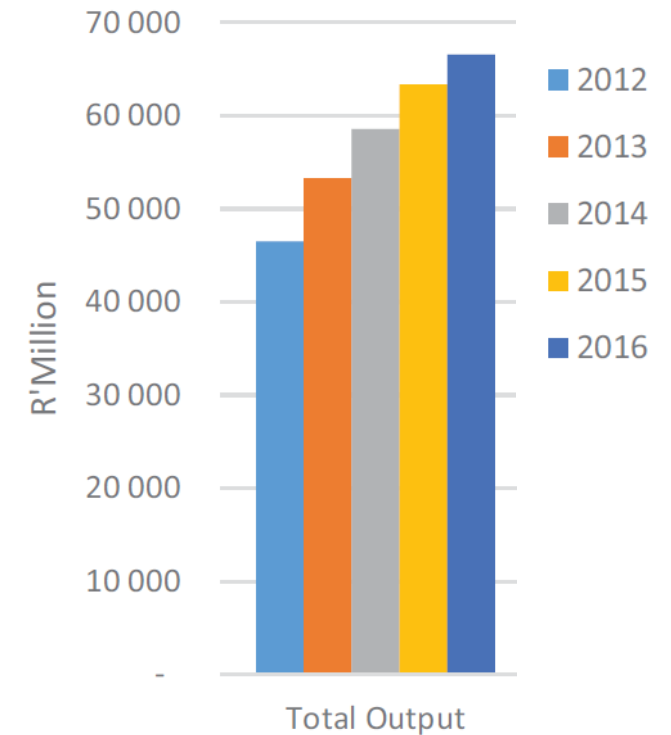
Physical accounts: measuring water transactions in cubic metres for every WMA, and broken down by sector (data mainly from WRC Water Resources 2012)

3

Monetary accounts: measuring the same above water transactions in monetary terms (data mainly from Stats SA Supply and Use Tables (SUTs))

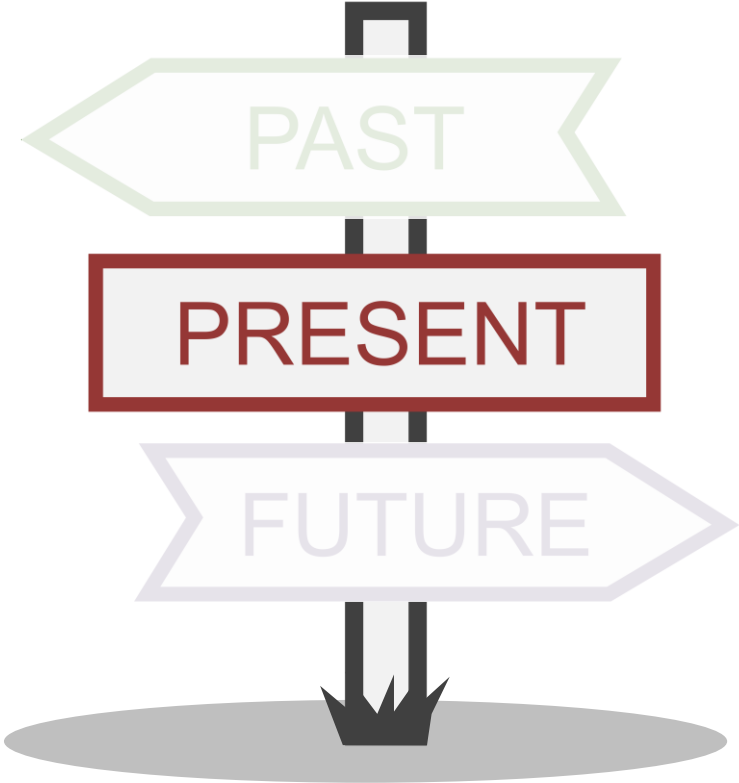
National Water Accounts – Key Findings from the 2018 accounts

- **The physical flow account** indicated that the total water supply in South Africa in 2016 was 14.7 billion m³/a. The bulk of this water was sourced from surface water (11.9 billion m³/a) (which included imports from the Lesotho Highlands Water Project), with the remainder sourced from groundwater (2.8 billion m³/a).
 - Irrigated agriculture was the largest total user of water, followed by households and then the mining sector.
- **Monetary accounts show that** the water sector had a combined annual revenue of R66.5 billion in 2016. This was about 11% of the size of the mining sector, 15% of the size of the retail sector and smaller than the size of the beverage manufacturing sector.
 - The water sector had grown at an annual rate of 7.4% since 2012 (R45.5 billion).
 - Expenditure on water purchases were less than 3.3% across all industry sectors. The report notes that for a sector of such strategic importance, these economic numbers are small.

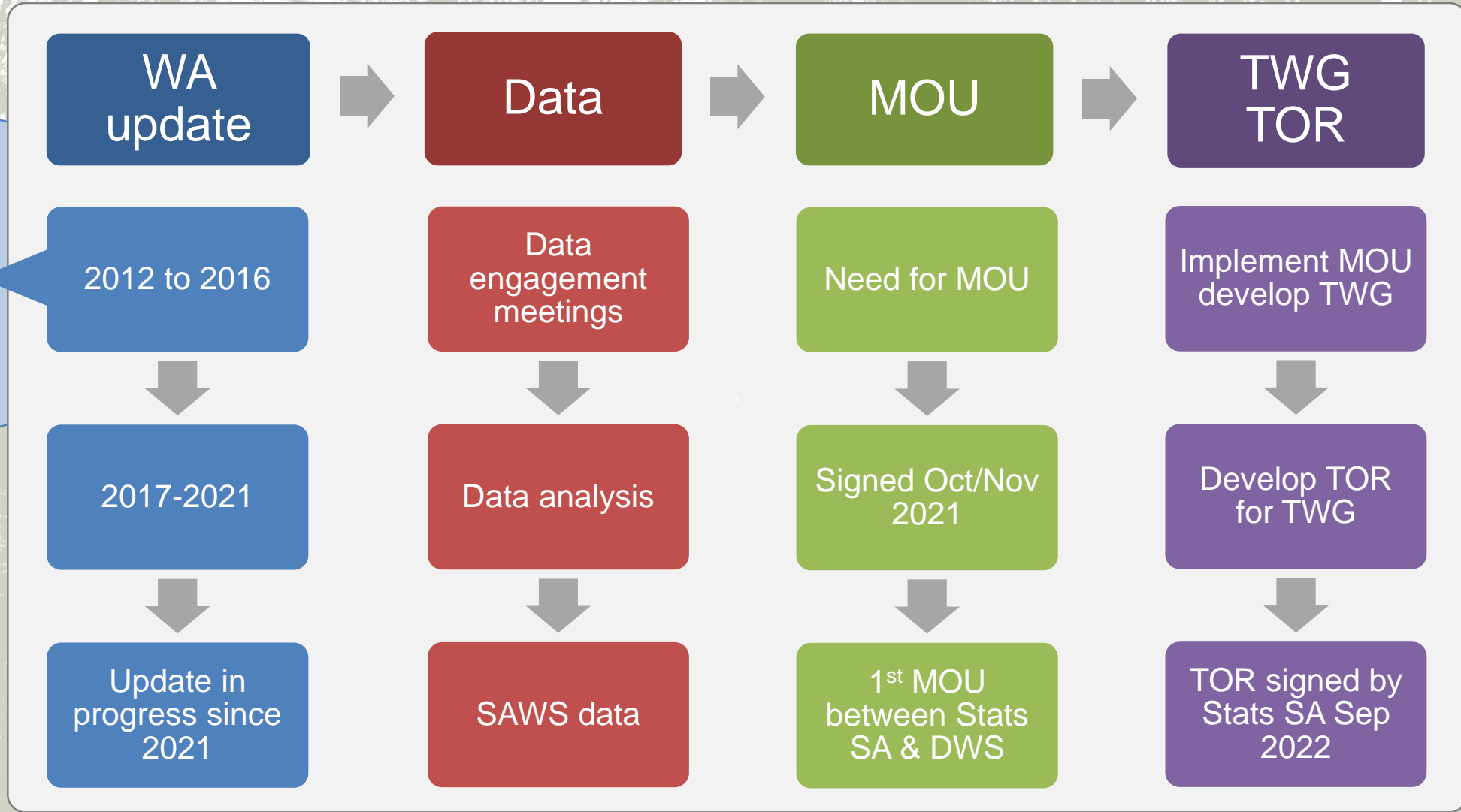


Size and growth of the water economy in SA measured as total revenue earned (WRC 2018)

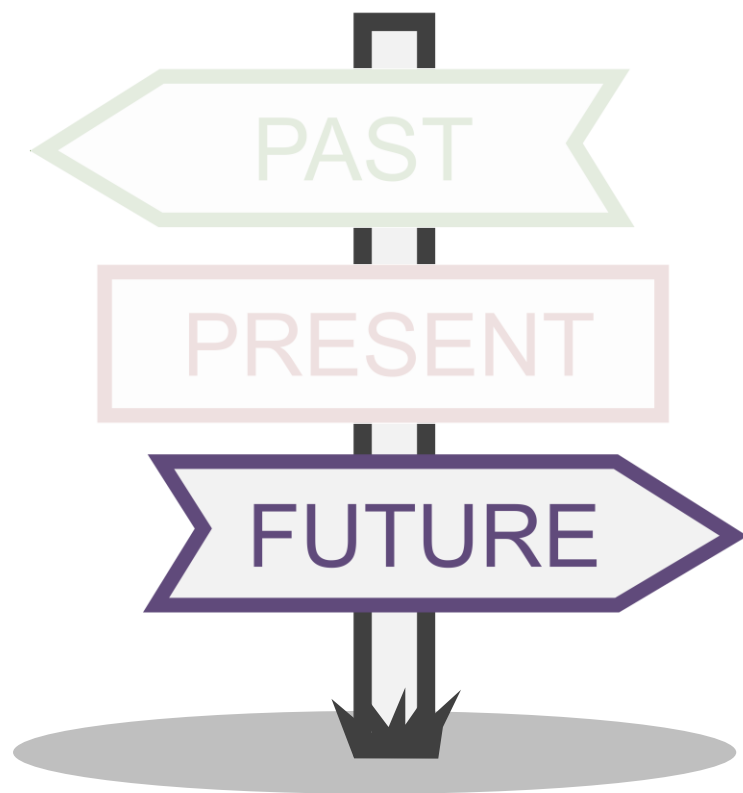
Current workings for the future of National Water Accounts



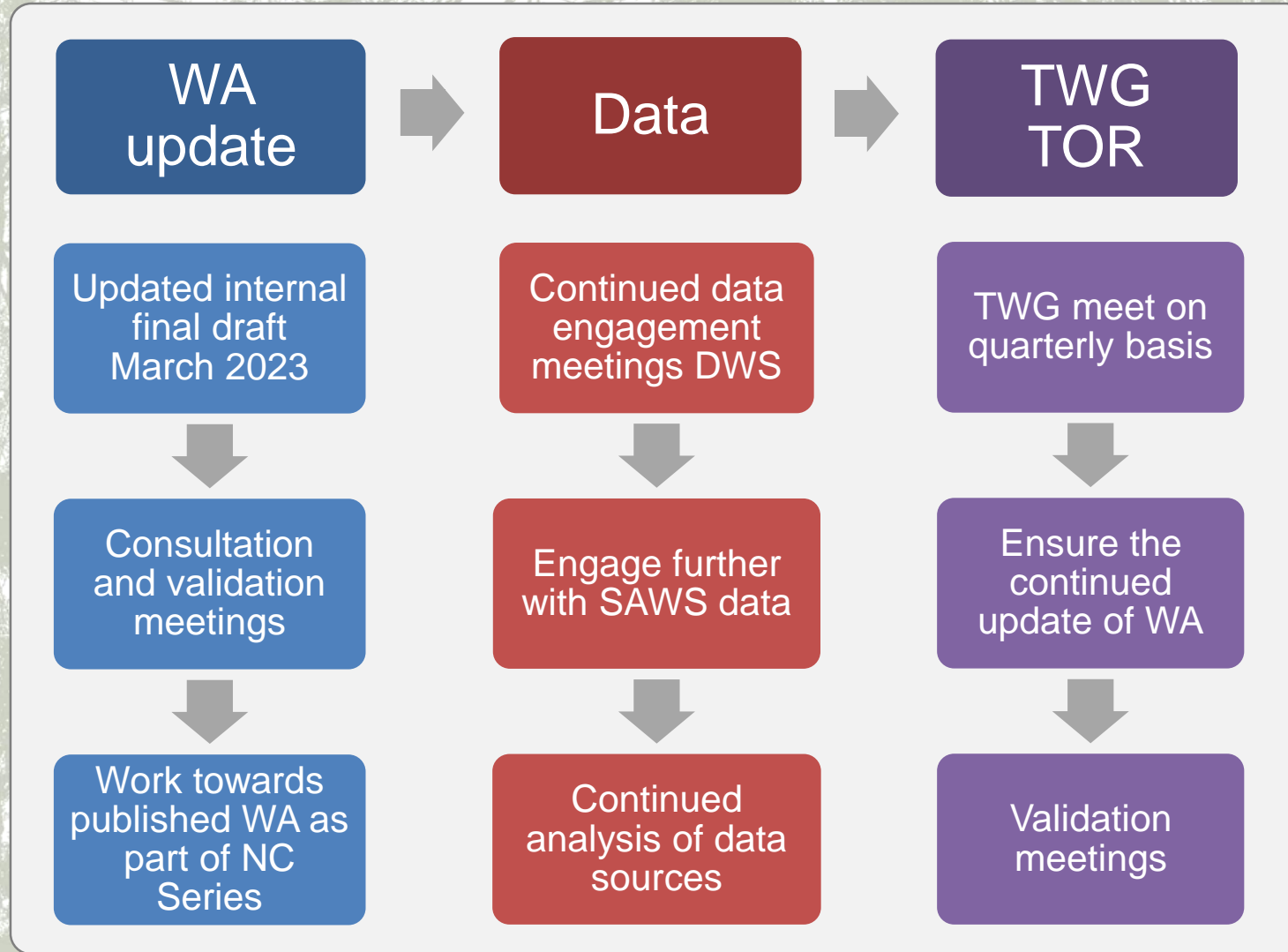
National Water Accounts – where are we now?



The way forward for National Water Accounts



National Water Accounts – the future



Thank you



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