



An Roinn Tithíochta,
Pleanála agus Rialtais Áitiúil
Department of Housing,
Planning and Local Government



The future of Water Resource Planning

Irish Waters National Water Resources Plan

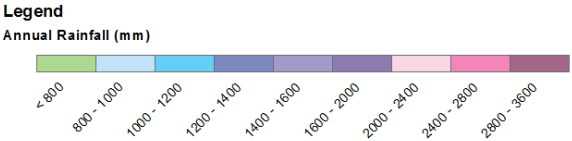
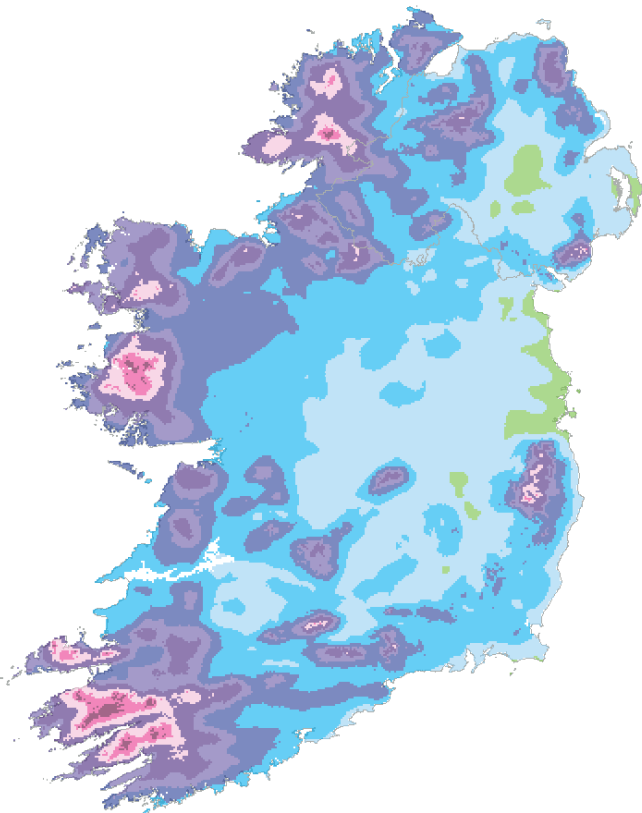
Mark Macaulay – Asset Planning Manager – Irish Water
WSNTG Annual Conference 2018



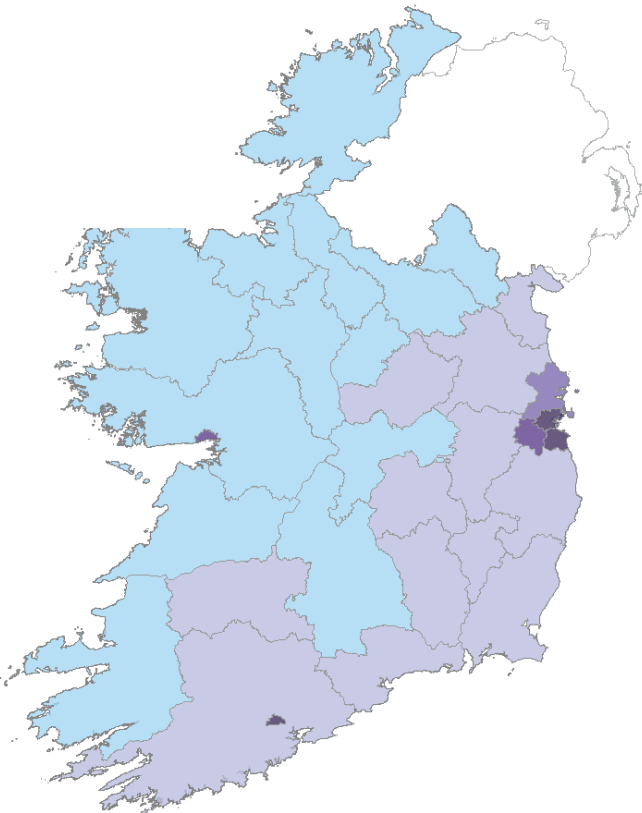
Our plan for a
Safe and Reliable water supply

There is plenty of Water, but...

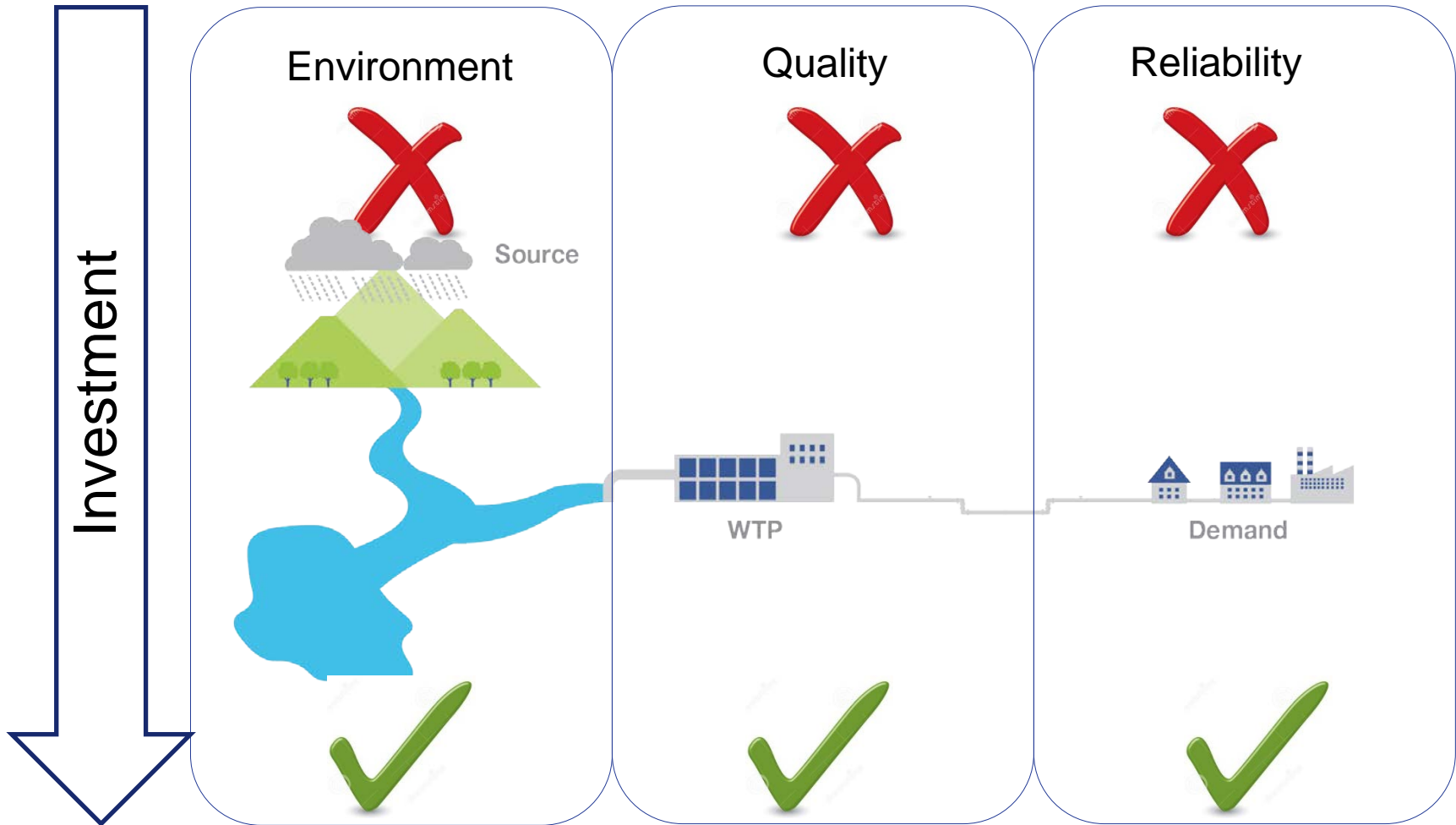
Rainfall



Population



The Journey – Where we need to be

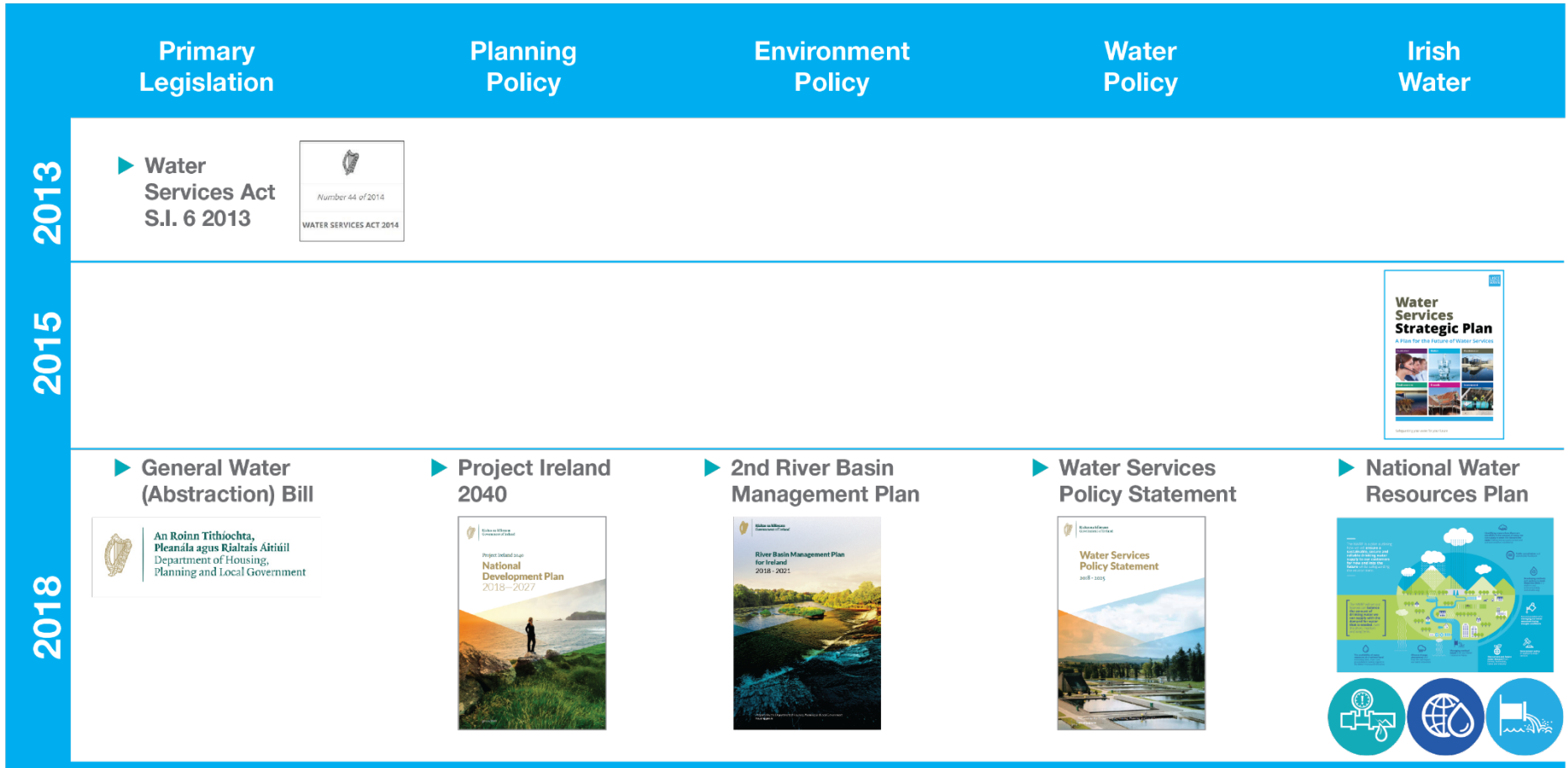


— HIGH QUALITY, SUSTAINABLE, RESILIENT, RELIABLE WATER SUPPLY —
— IRELAND BECOMES A HYDRO NATION —

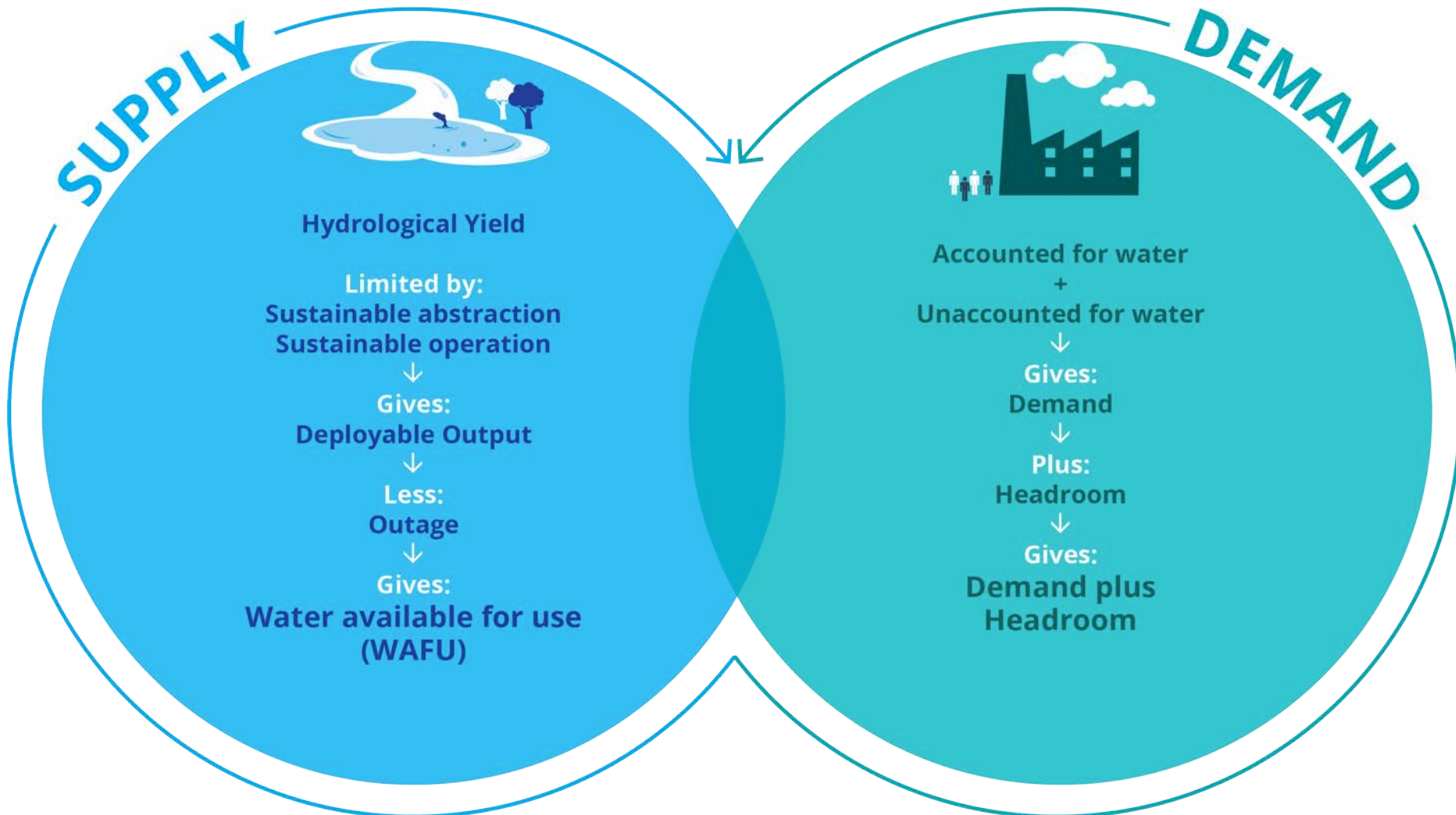
1

The Approach

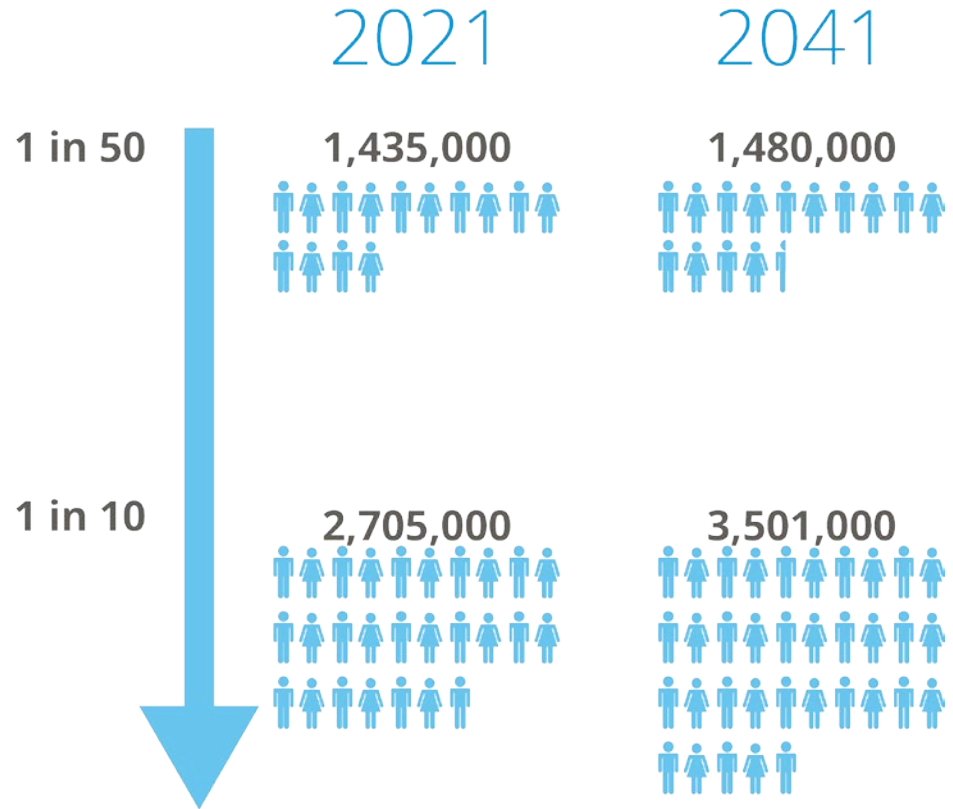
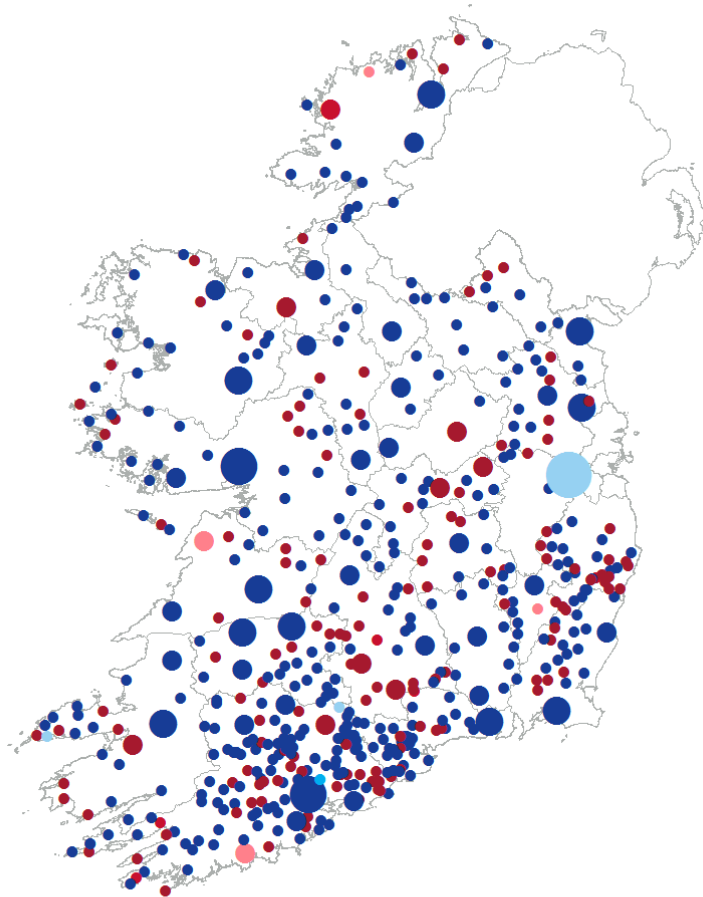
Government Policy Framework



It's all about Supply Demand Balance



If we do nothing – Levels of service will decrease and interruptions to supply increase

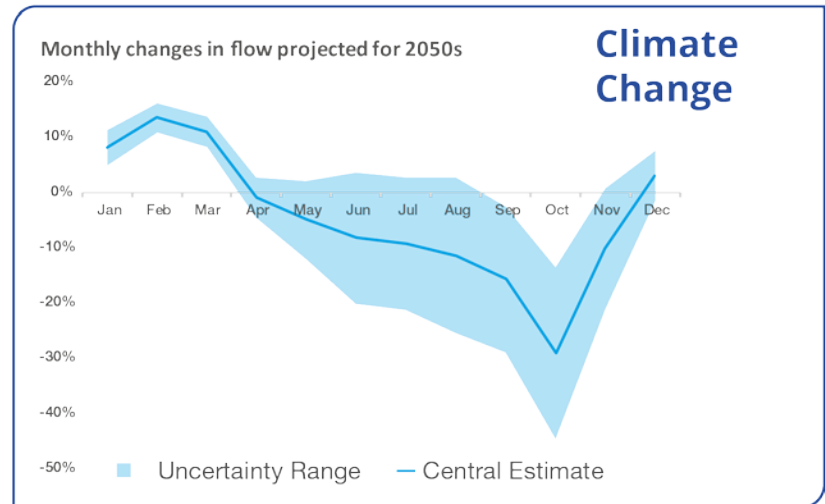
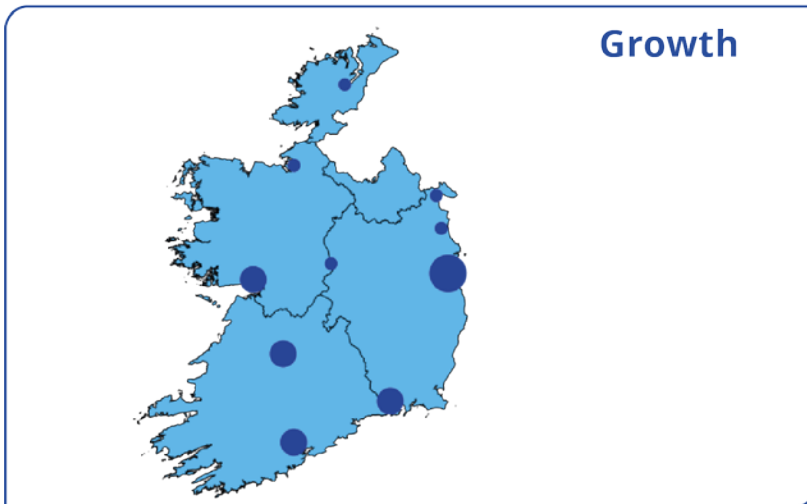
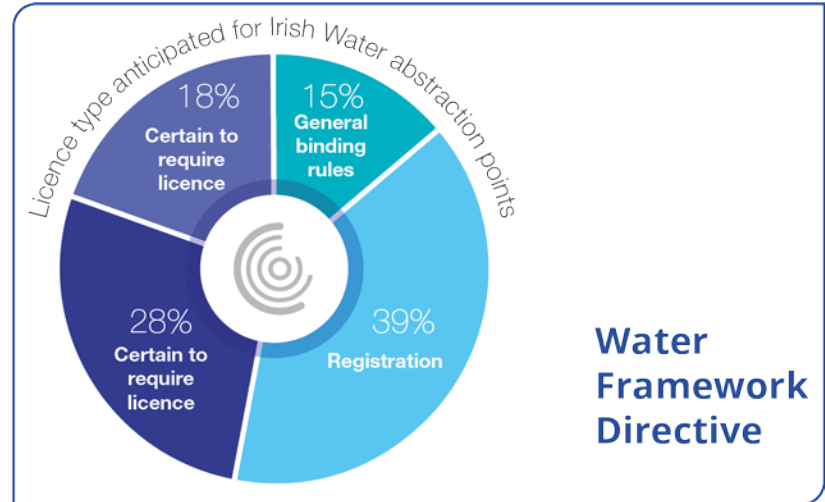
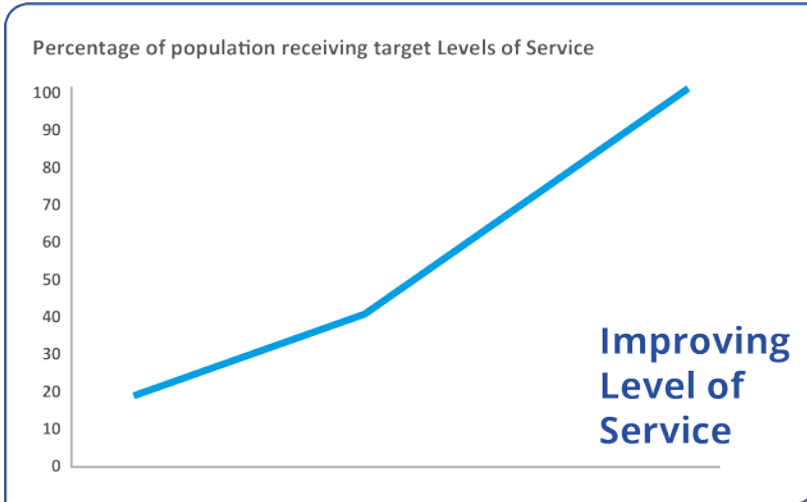


Legend

WRZ Level of Service NYAA 2021

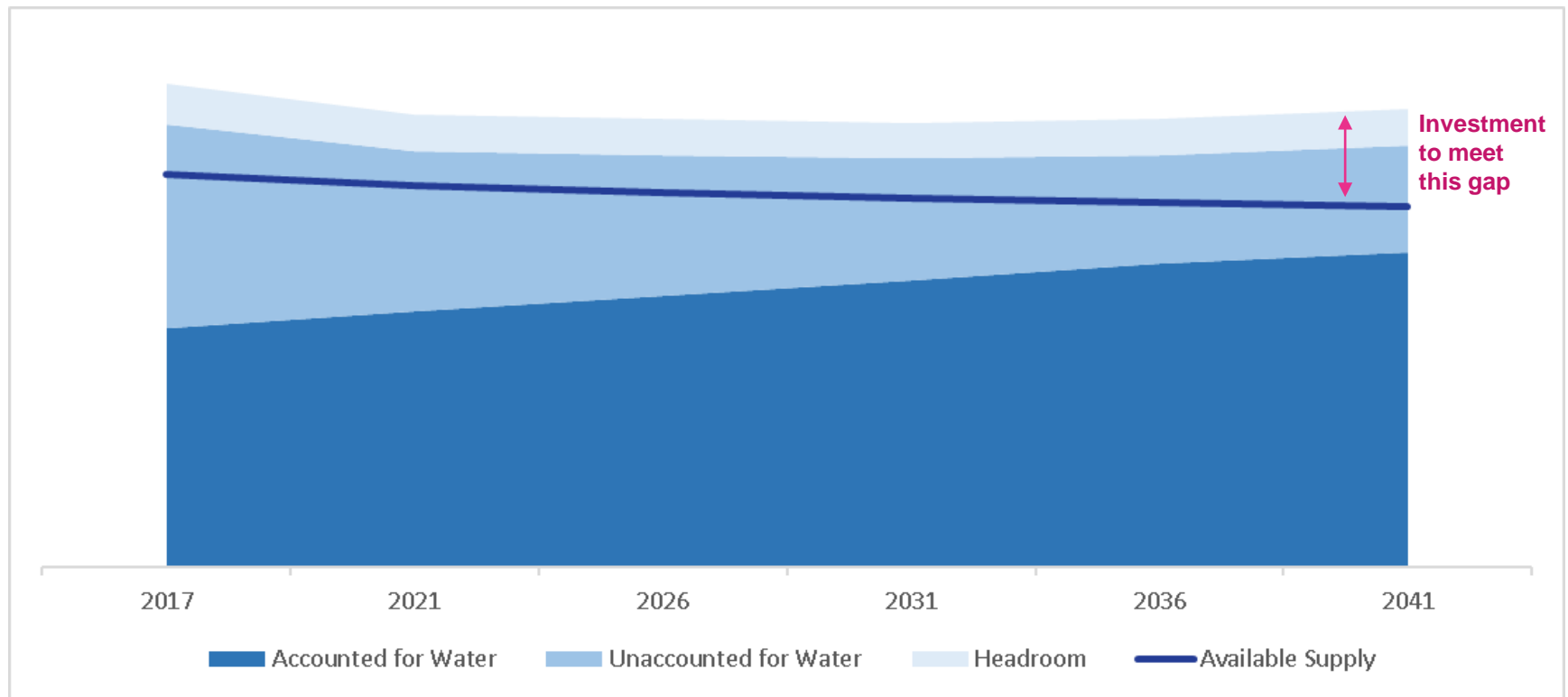
- > 1 in 50
- > 1 in 40
- > 1 in 30
- > 1 in 20
- > 1 in 10
- < 1 in 10

Challenges – We cannot do nothing!



Solving the Problem

Our **Water Resource Management Plan** sets out how we plan to **manage and develop water resources** over the **next 25 years**, to maintain the **balance between supply and demand** for public water supply whilst **considering our environmental impact**.



2

The Plan

Solving the problem – Interventions



Irish Water

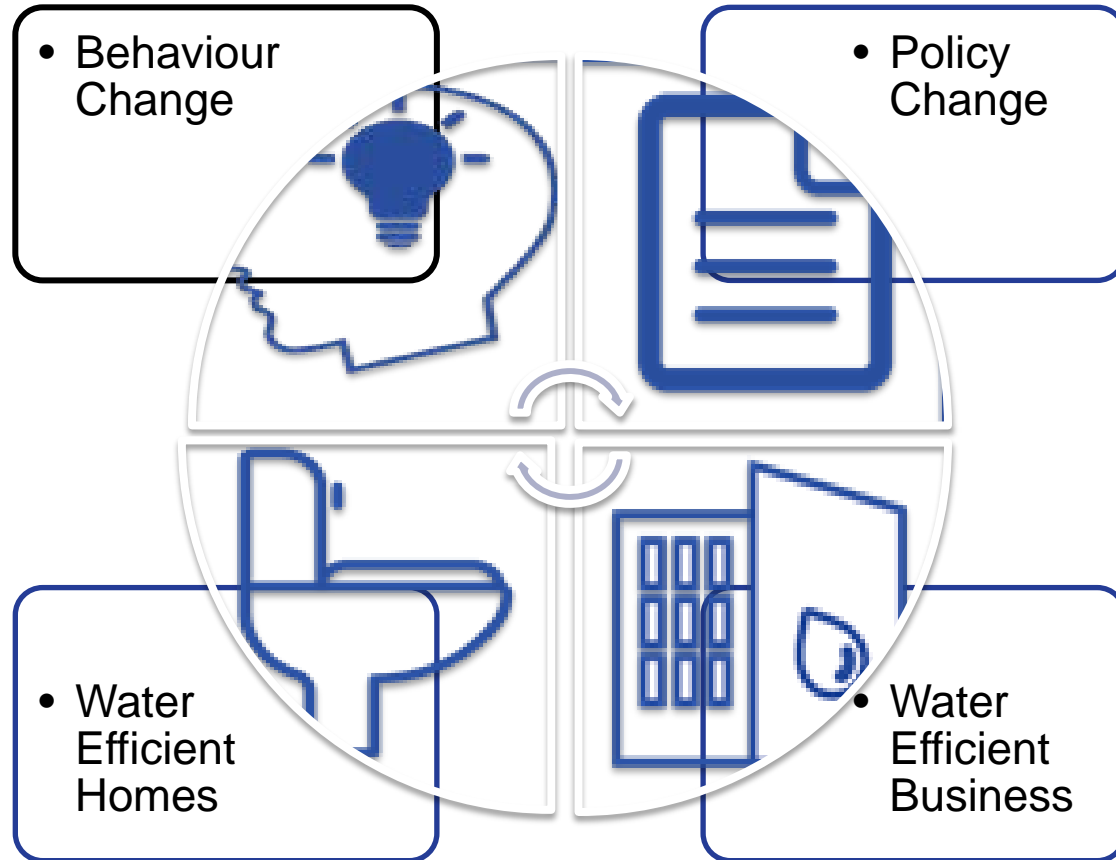


Government Business
Agriculture
Local Authorities
Public



Irish Water

Use less – Water Efficiency



Lose less – Leakage Reduction



Metering Programme
60% national meter coverage (about 40% in GDA)



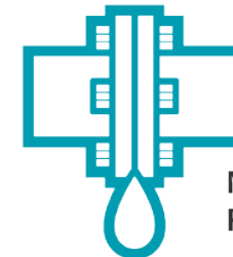
Find & Fix
Contractors now mobilised in support of in-house crews for capital programmes



Leakage Management System



District Metering Areas (DMAs) - over 750 in GDA



Network Replacement

Smart Investment – No regrets infrastructure



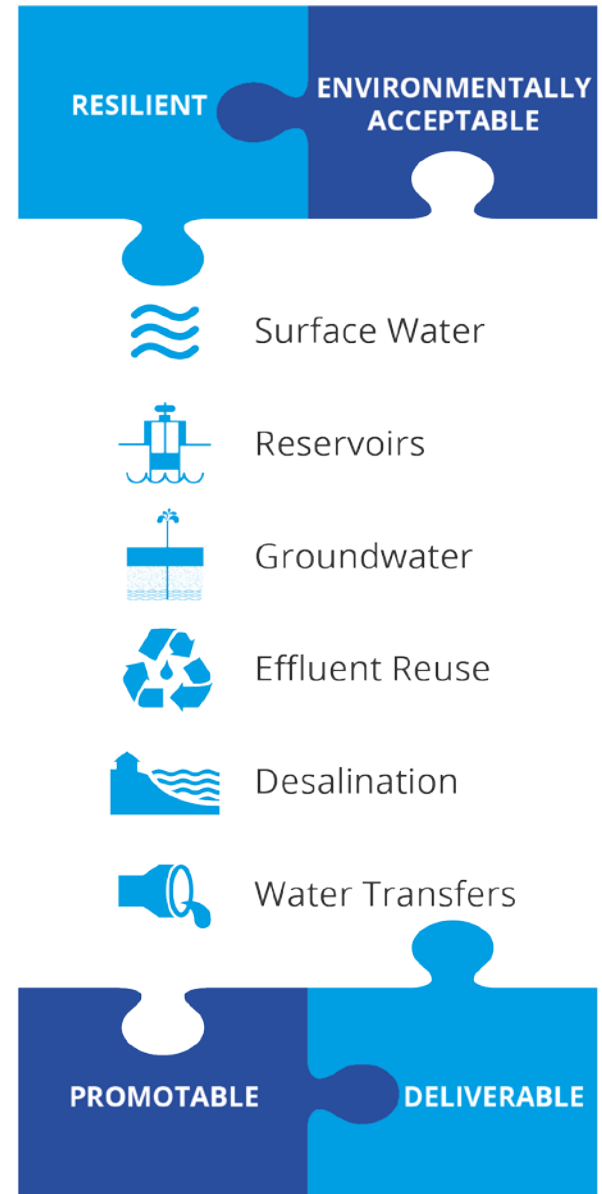
785
Water
Treatment Plants in
535
Water
Resource Zones
400
Single source WRZ



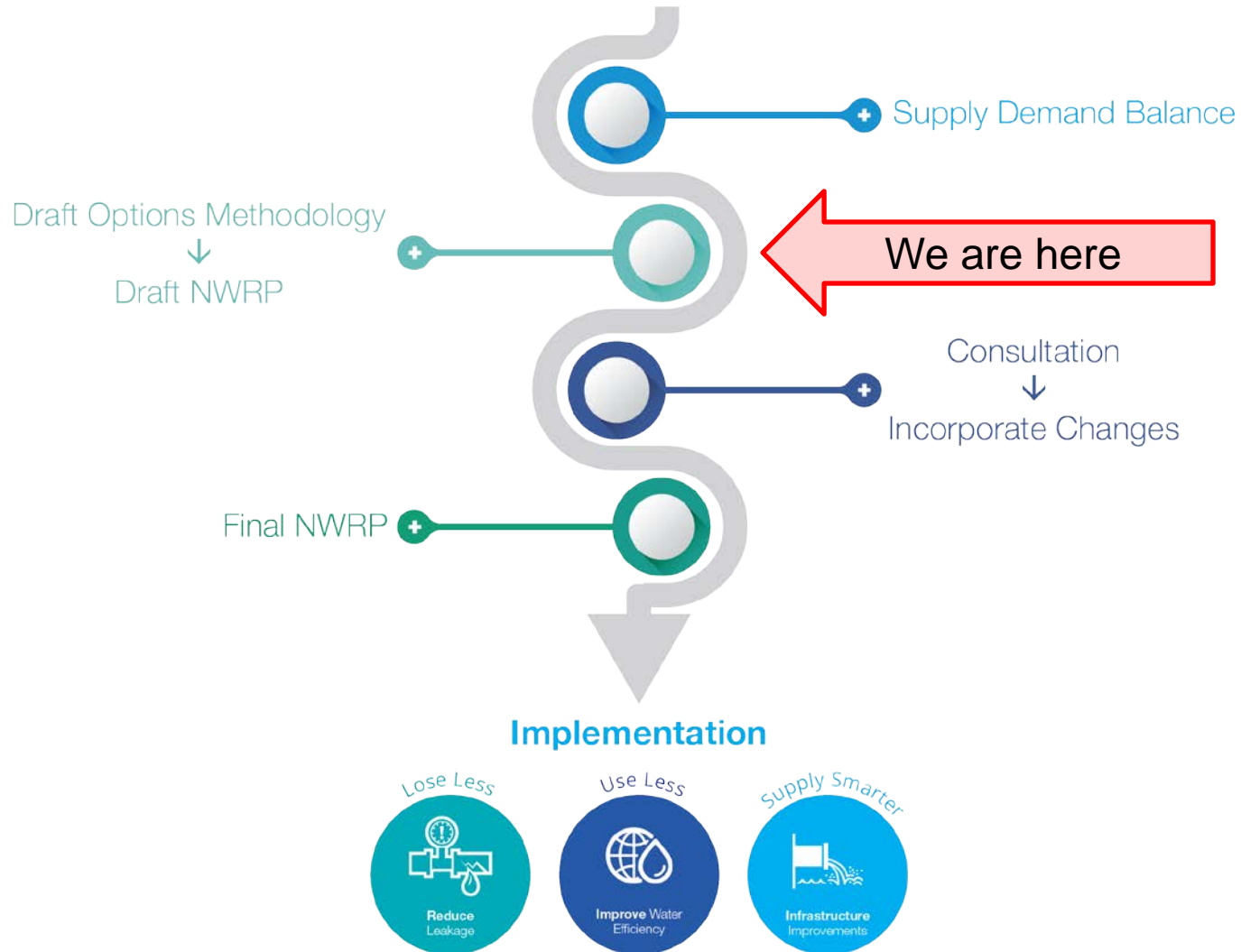
Interconnections to
build resilience



Improve existing assets
to **reduce impact**



What do we do next?



Next Steps



Water Resources
Planning

Consult on NWRP
including methodology

Embed SDB in business

Prioritise WRZ for
option studies



Reduce
Leakage

Save 199 MI/d by
2021 through
€500m investment



Improve Water
Efficiency

Deliver Water
Efficiency and Water
Conservation
messaging



Infrastructure
Improvements

Deliver improvements
through quality
drivers in
investment
programme

Our plan for a
Safe and Reliable water supply

Thank You

NWRP@water.ie

ervia

Aurora
TELECOM



Gas
Networks
Ireland

UISCE
EIREANN | IRISH
WATER