



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



A sustainable approach to water resource management

Sean Laffey

Head of Asset Management - Irish Water

WSTG
Clayton Silver Springs Hotel, Cork
10 October 2019



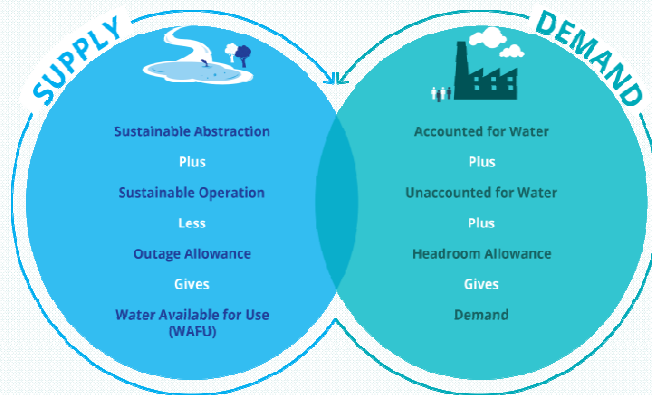
National Water Resources Plan

- Secure, resilient and environmentally sustainable future water supplies
- Water Framework Directive – abstracting **1.7 billion** litres of water each day
- Support key policies/strategies incl. WSSP, NPF, RBMP
- Standard Water Utility Practice
- Sets out a clear approach and targets



A Sustainable, Reliable, High Quality Water Supply

Supply Demand Balance

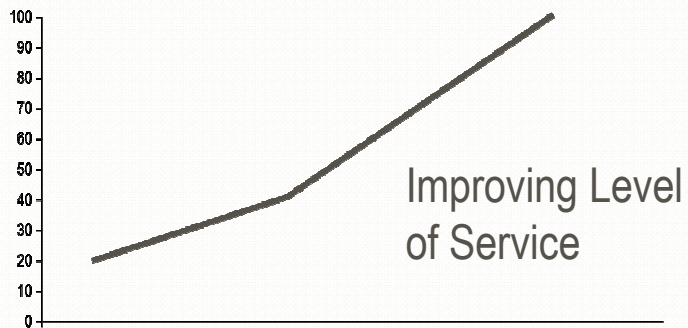


Environmental Sustainability

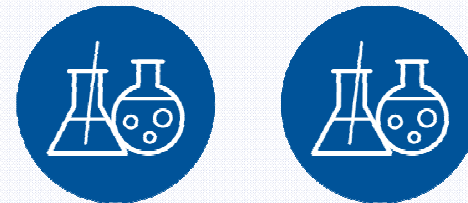


Resilience

Percentage of population receiving target Levels of Service



Quality



Compliance

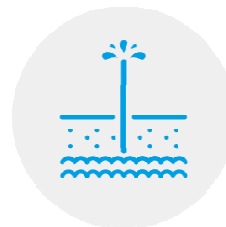
An Environmentally Sustainable Water Supply



We have 310 surfaces water sources...



...that provide 83% of our supply



By comparison we have 858 ground sources...



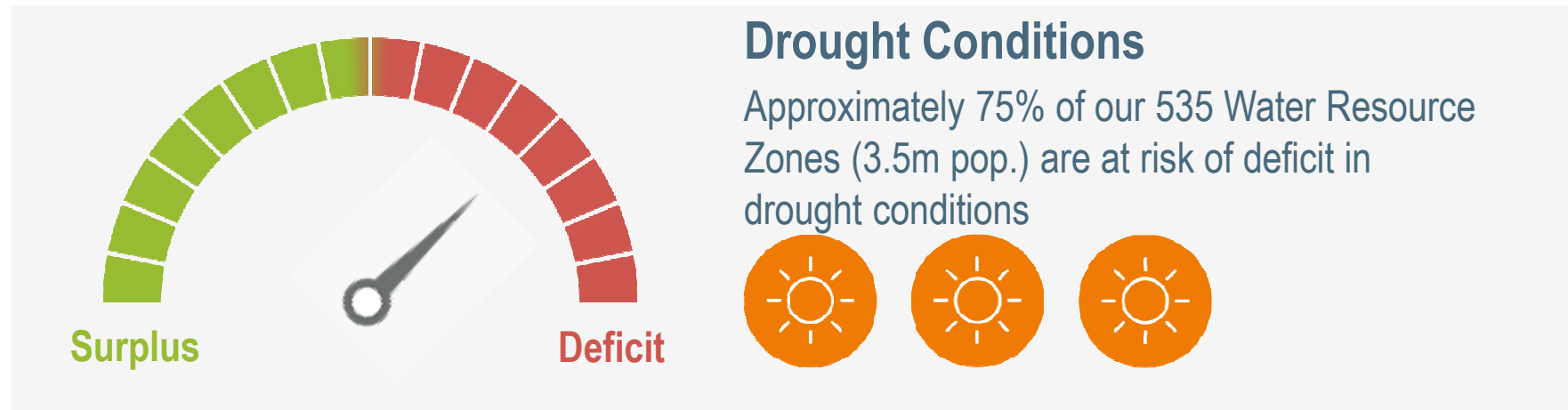
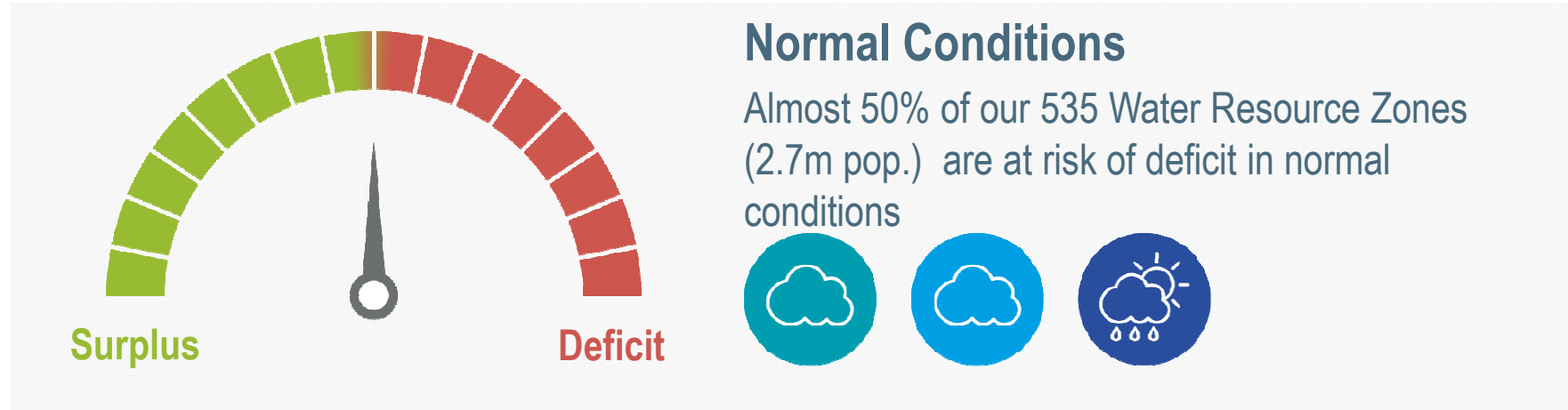
...that provide 17% of our supply



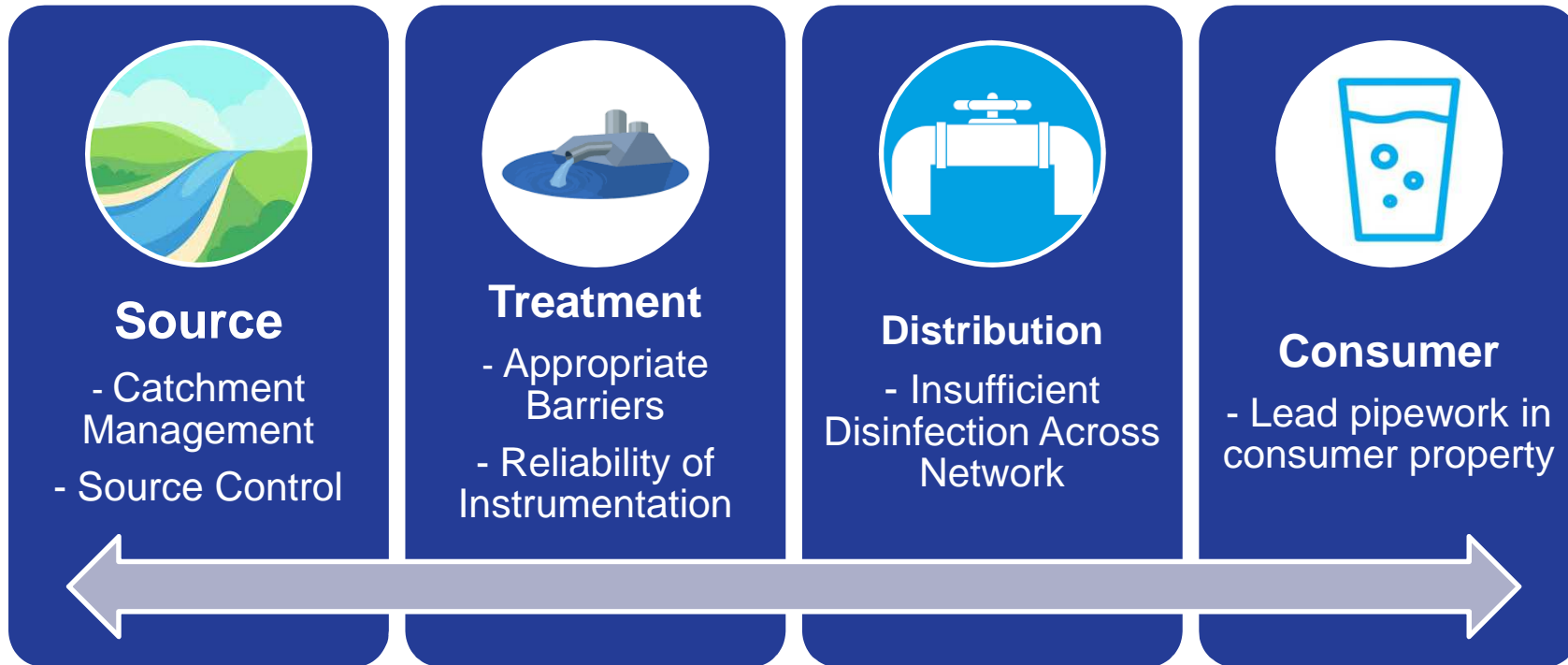
Current Surface Water Abstractions

50% of our 310 SW abstractions (1.4m pop.) may not comply with WFD Abstraction standards

A Resilient Water Supply

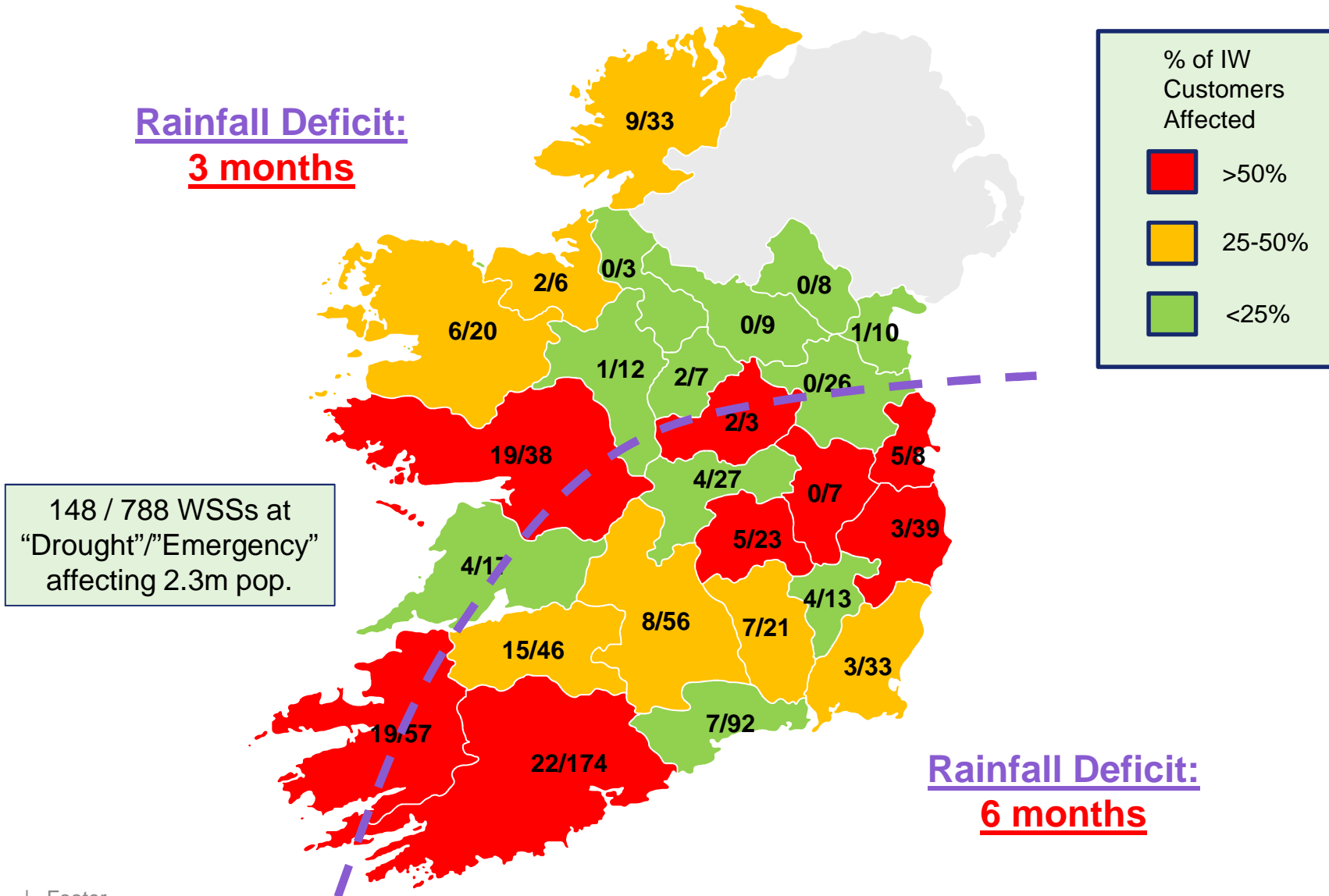


A Quality Water Supply



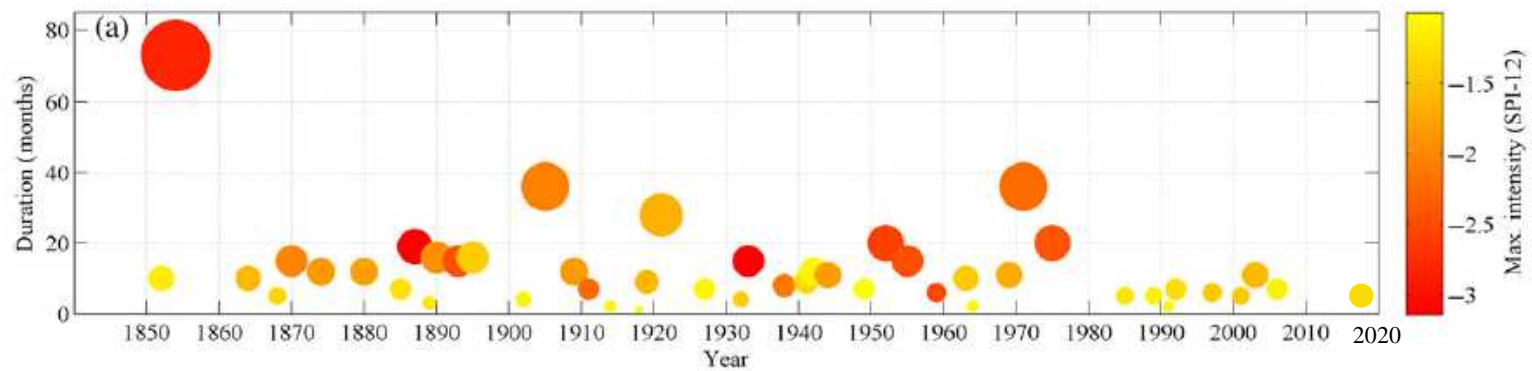
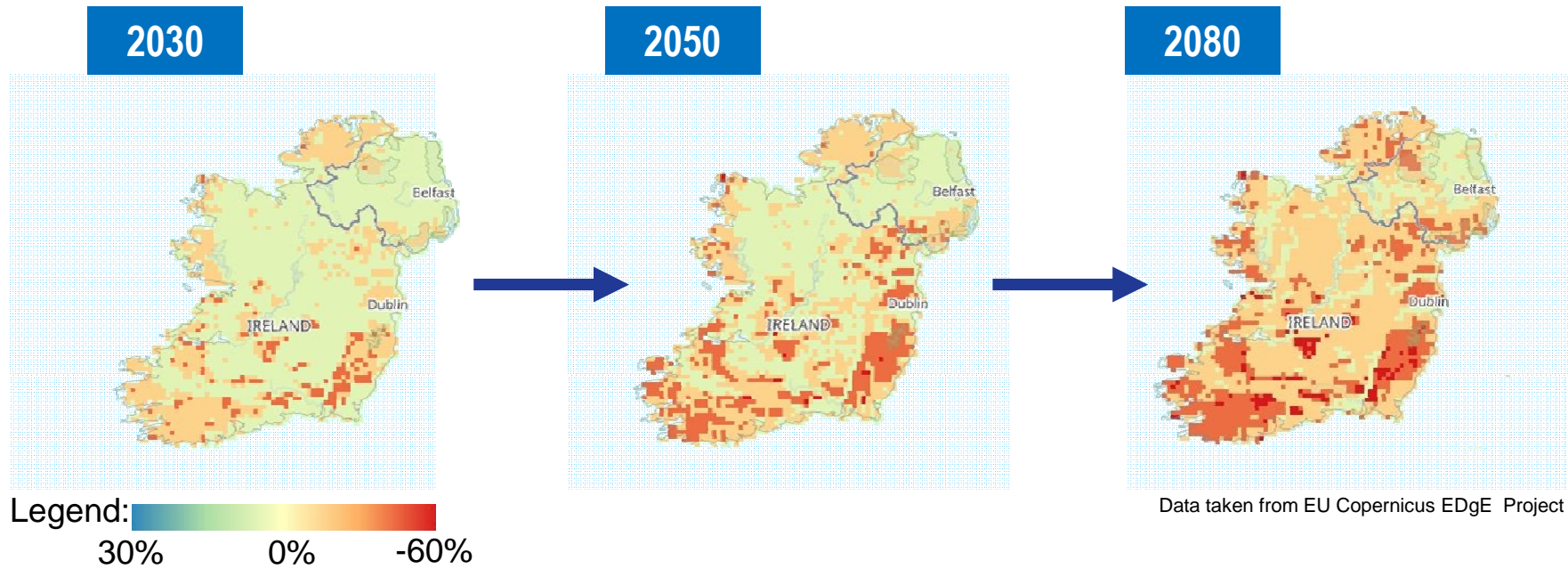
- Drinking Water Safety Plans: 136 risks assessed per supply
- RBMP: 350 sources risk assessed by 2021 with the reminder by 2027
- 516 WTPs assessed to day: 41,200+ risks assessed

Drought 2018 WTP's and Customers Affected: Geographical Spread and Duration



Projected Impact of Climate Change

Change in Q95 flow (low flows)



Modification of Noone S, et al 2017 (2017) 'A 250-year drought catalogue for the island of Ireland (1765-2015)'. *International Journal of Climatology*.

Plan Consultation

- 6,000+ website views
- 4mins avg. web view
- 150 Update emails
- 71 queries
- 36 Stakeholder briefings
- 25+ pieces national & regional media coverage
- Conferences and Seminars

LA Consultation

- June & July 2019
- 31 Local Authorities
- 29 Workshops
- Over 1800 Comments Reviewed
- Data Validated for:
 - 535 WRZs
 - 1170 Abstractions
 - 790 WTPs

Solving the problem – The Three Pillar Approach



Lose Less



Reduce Loakago

Irish Water

Use Less



Improve Water Efficiency

What we can all do

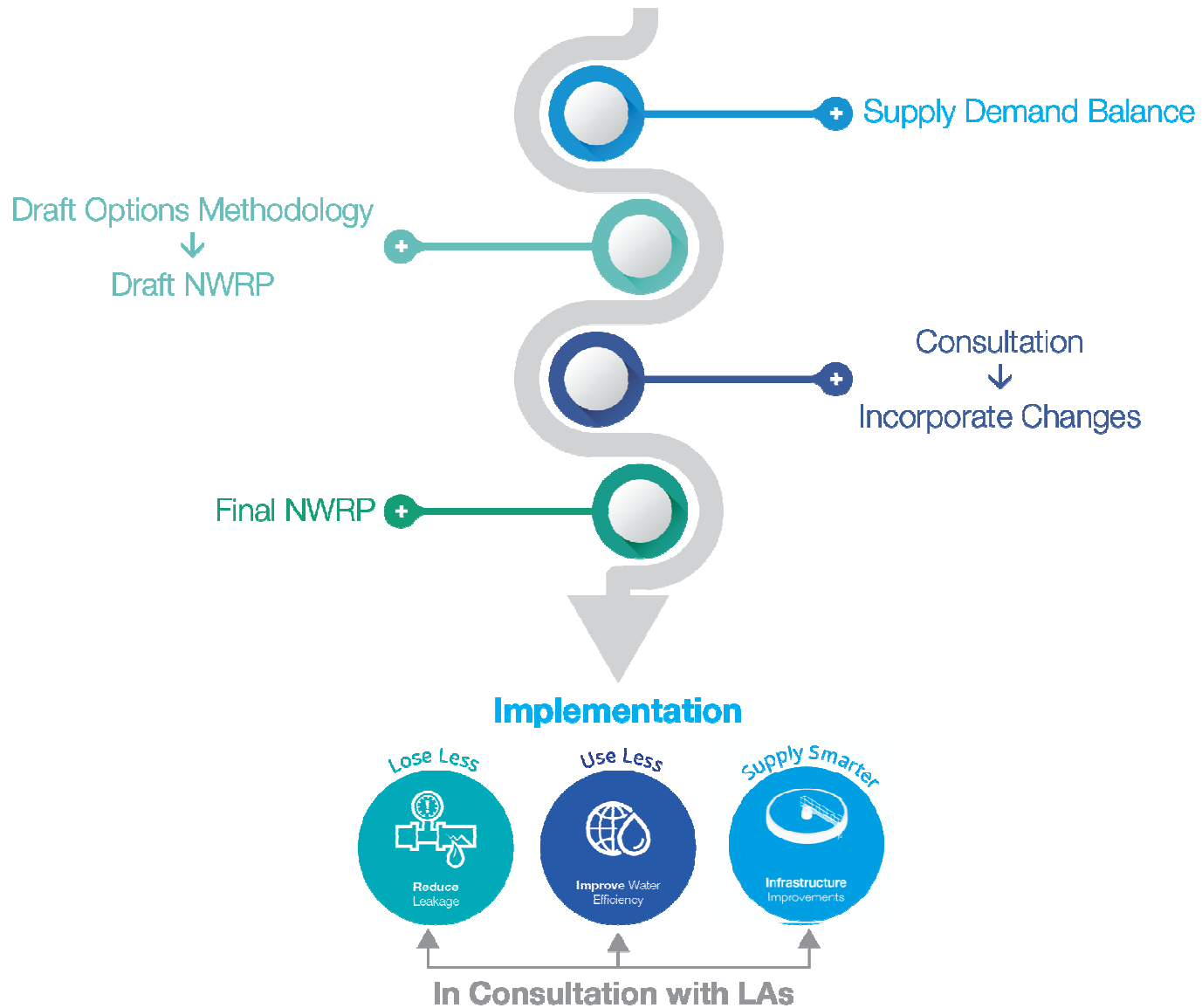
Supply Smarter



Infrastructure Improvements

Irish Water

Progress and Next Steps



Summary

- 25 year strategy to ensure that Ireland has a secure, resilient and environmentally sustainable high quality water supply
- Acknowledges our role in protecting the environment
- Current efforts are focussed on defining the challenge
- Aim is to gradually reshape our water supply assets whilst meeting social and economic commitments.
- Meeting the challenge will require a long term multi agency approach

Thank you

nwrp@water.ie

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ervia

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