

Working Together from Source to Sea



Gerard O'Leary

Water Event Galway

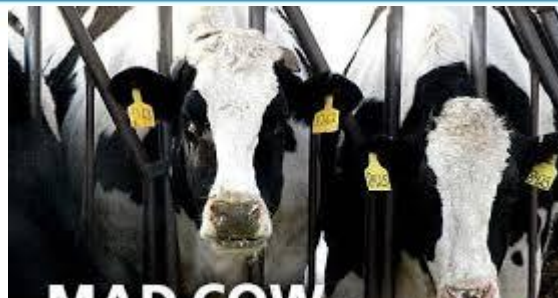
17th June 2015

Ireland's WFD journey

- Where we were
- Where we are now
- Where we need to go
- Other related issues
- Acknowledgement: Margaret Keegan



2000 what happened.....



Water Framework Directive entered into force



2003



Ireland adopted WFD legislation
Competent authorities defined
Four RBDs
Three IRBDs

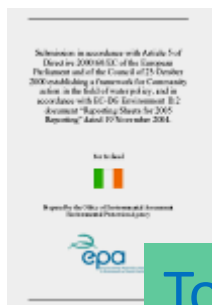
Enforcement Tools pre 2003

- Water Pollution Act and Regulations – trade discharges
- EPA Act and regulations – IPPC activities
- Waste Act and regulations

By 2010



Characterisation completed 2004
Monitoring Programme established 2006
SMWI report published 2007
1st RBMP published Dec 2009
Implementation of POMs commences 2010



- ### Characterisation
- Describe and map all waterbodies
 - Reference conditions
 - Pressures and impacts
 - Economic analysis of water use



River Basin Management Plan

Total number of measures	141,215
Total number of water bodies	6,467
Av. number of measures /water body	21



WFD

2000

RBDs Defined
Competent Authorities
Water Policy Regulations



Draft River Basin Management Plan

Implementation
1st Plan
2nd Plan
3rd Plan

Monitoring programme
RBMP works programme



Implementation of Measures

■ Urban Waste Water

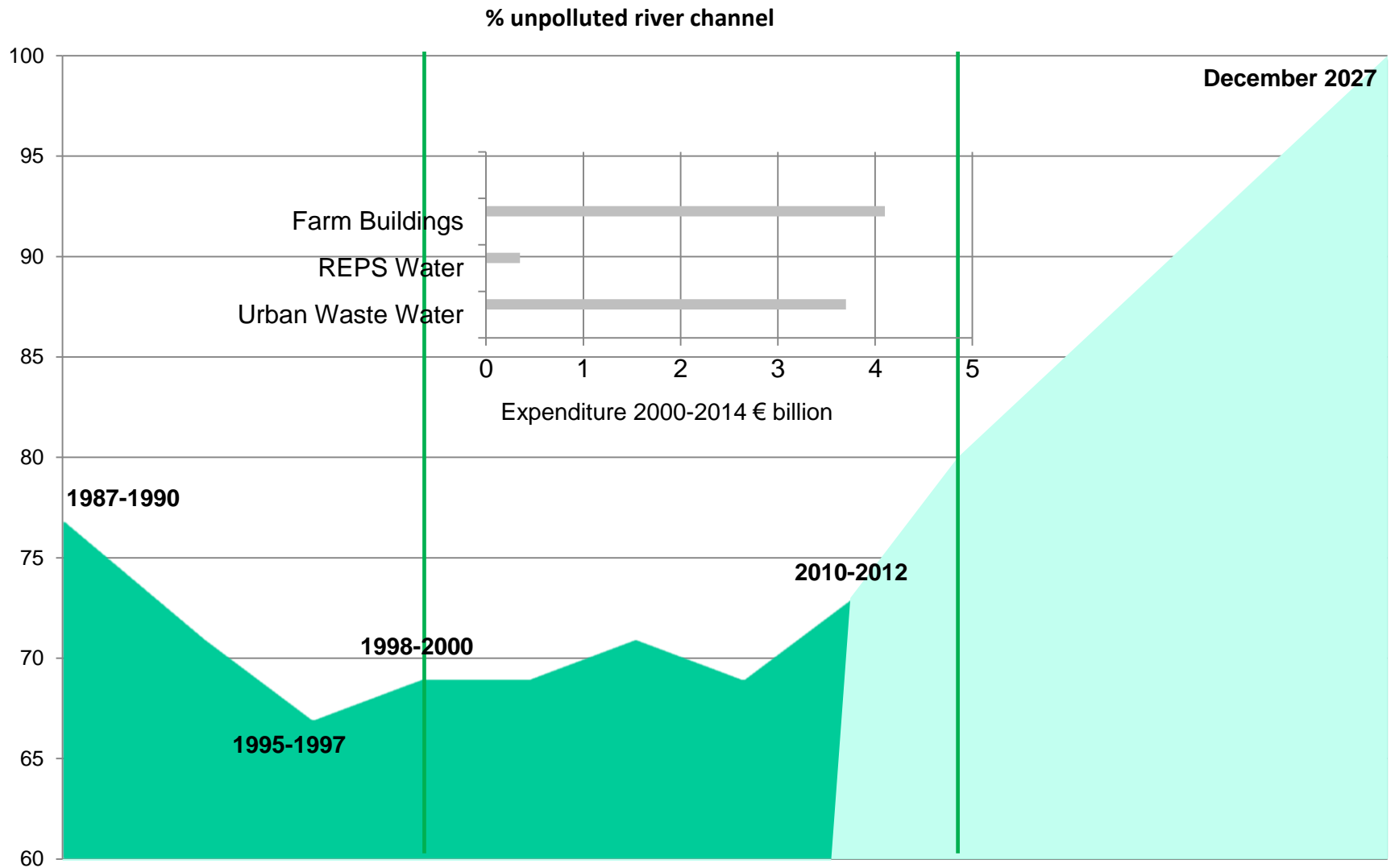
- Licensing (introduced in 2007) and enforcement of UWWDL

Type of Treatment	2001	2012
Primary/No Treatment	71%	6.1%
Secondary Secondary & Nutrient removal	29%	93.9%

■ Agriculture

- Nitrates Action Plan
- Storage facilities, Farm buildings and REPS
- DAFM and LA inspections

Outcome: River Water Quality 1987-2012



The Challenge now

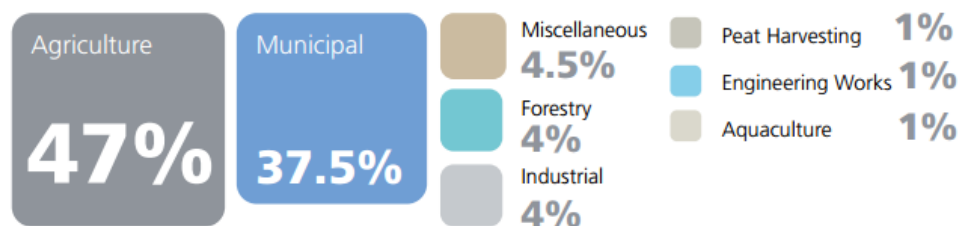
■ **Maintain** water quality

- 243 monitored surface water bodies classified as high status
- 731 monitored surface water bodies classified as good status
- 654 groundwater bodies classified as good status

■ **Restore** water quality

- 931 monitored surface water bodies classified as moderate, poor or bad status (2015, 2021 & 2027)
- 103 groundwater bodies classified as poor status

FIGURE 3.1. Suspected causes of pollution at 953 polluted river sites surveyed in 2007–2009 (from a total of 2,500 monitoring sites)

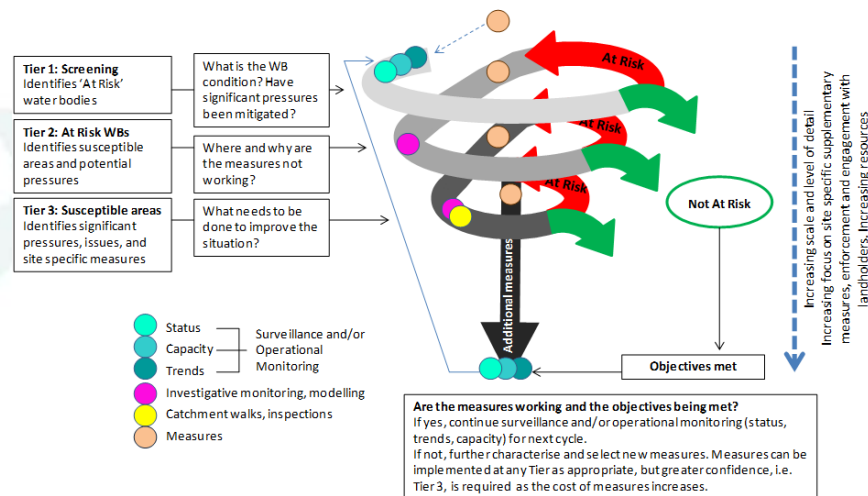


2015 ...

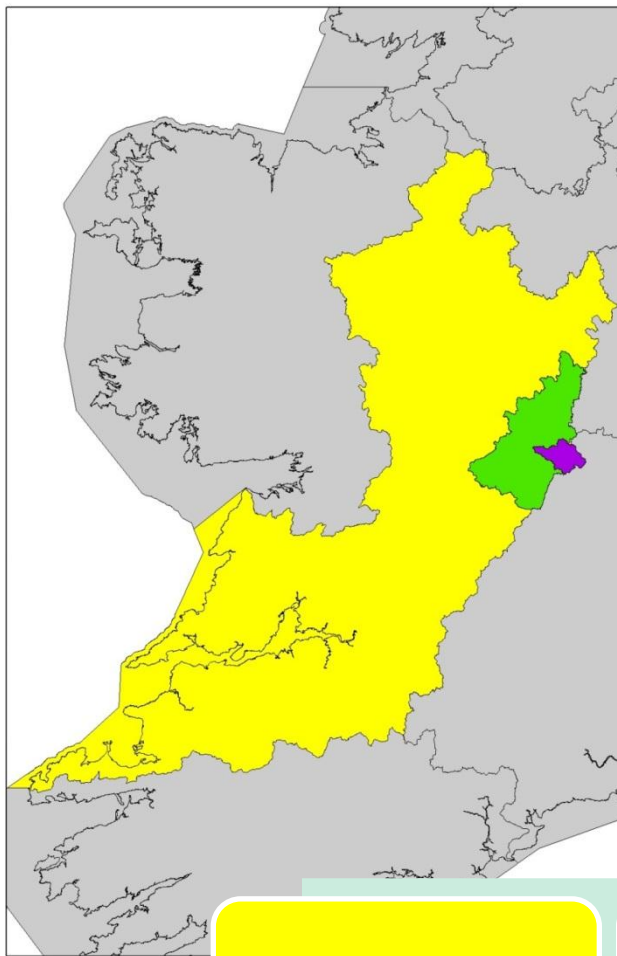
One RBMP and Two IRBDs
New 3 Tier Characterisation methodology
Integrated Catchment Management
Initiated collection of Structured Data

Next steps

- SWMI consultation report 2015:
- “....***The Minister wants to ensure that the most important issues are identified early in the process and are then addressed during the preparation of the plans....***”



Catchments – Source to Sea



Shannon RBD

Brosna River
Catchment

Tullamore River
sub-catchment

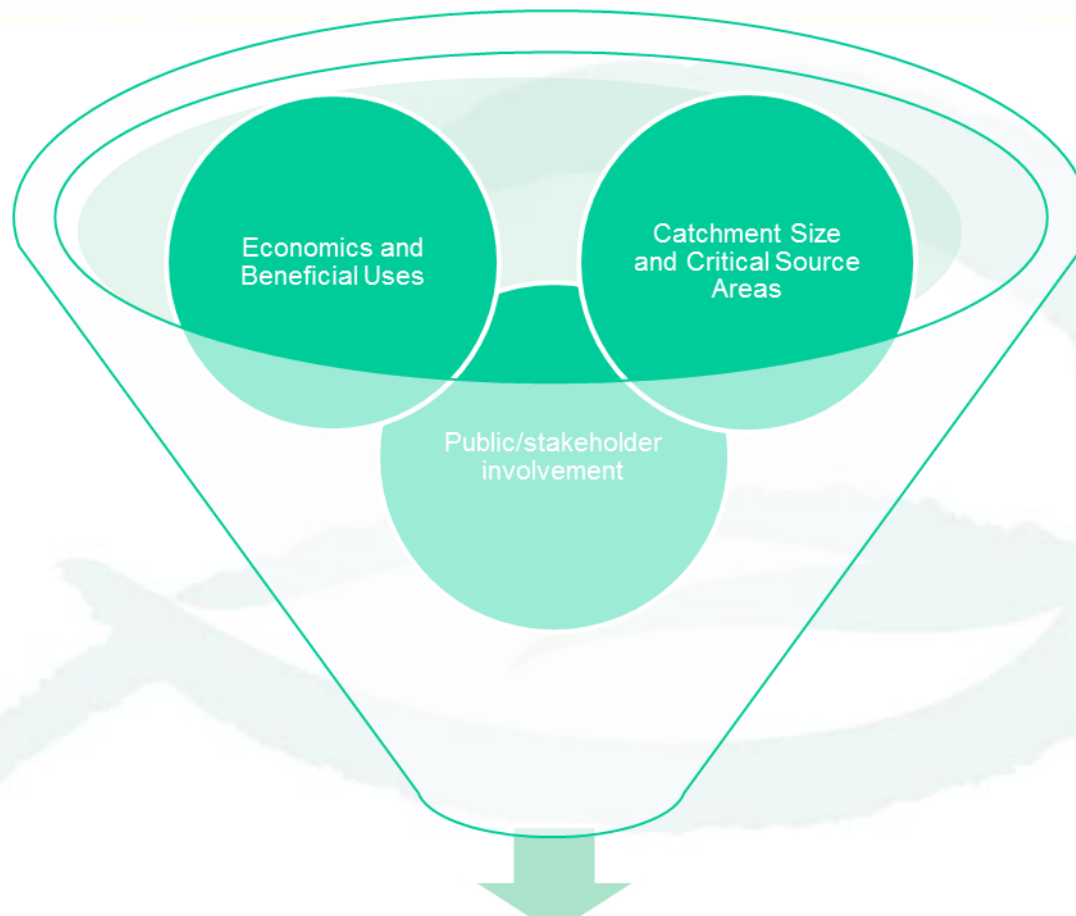


Public Participation

“By working closely with and listening to partners and communities, we can improve the environment, protect more people and promote sustainable growth”

Paul Leinster CE, Environment Agency

Approach for 2nd RBMP Cycle



The right Measures in the right Locations

Challenges for next cycle

■ UWWD

- 28 urban centre – No treatment or only basic screening
- 8 linked to seriously polluted sites or bathing water failures
- 35% of incidents relate to poor management

■ Agriculture

- Food Harvest 2020 proposes a 50% increase in milk production by 2020. While environmental sustainability is a key underlying principle of Food Harvest 2020, the milk production targets will present a significant challenge to meeting WFD objectives
- In 2010, 40% of all samples taken from wells and springs in the EPA GW monitoring network were polluted by microbial pathogens – *risk to private wells and human health*

Lead

- Extent of problem
- Public Health Advice
- Roles and Responsibilities
 - Action 1: Raising Awareness
 - Action 2: Water Providers
 - Action 3: Removing lead from the Housing Stock
 - Action 4: Education Sector
 - Action 5: Hospitals and Health Care facilities
 - Action 6: Other Public Bodies
 - Action 7: Research and Monitoring

EPA: Continue to report on lead issues as part of annual drinking water

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The End