



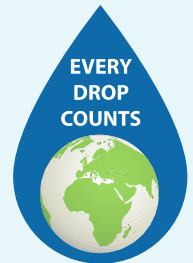
# A Group Water Scheme case study

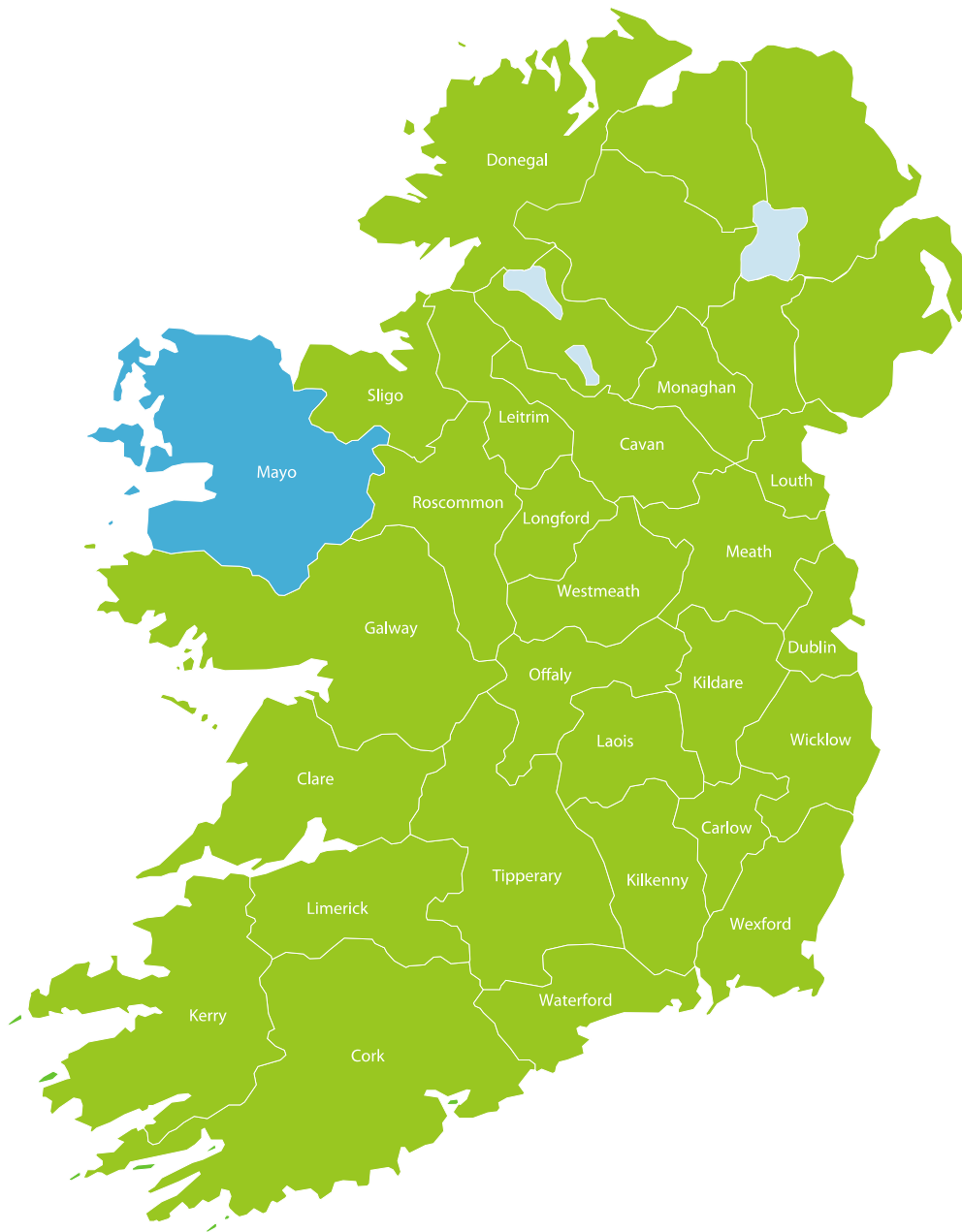
**Sean Corrigan**

Sean7770@me.com

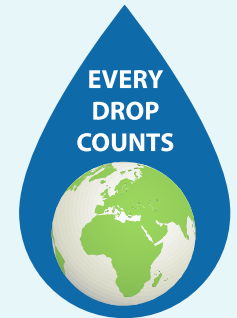
**Oulu, Finland 4<sup>th</sup> June 2014**

BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES





KILMEENA  
GROUP WATER SCHEME



Industry

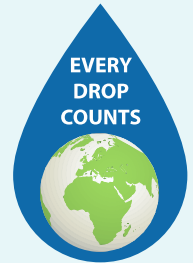


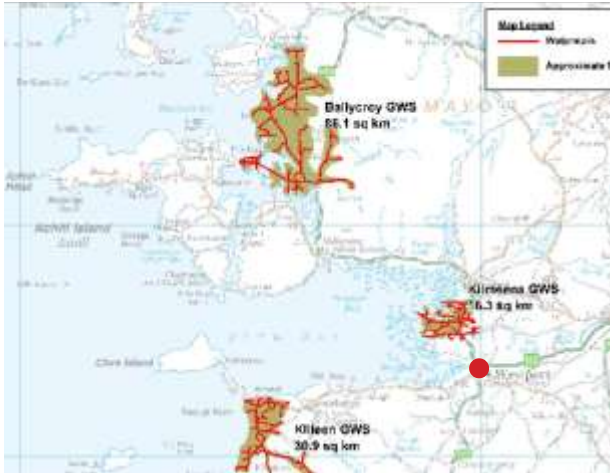
A great place  
to live,  
to work,  
to holiday



# Class "A" Coastal Waters

BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES





BALLYCROY, KILLEEN AND KILMEENA  
 GROUP WATER SCHEMES



# Ballycroy, Killeen and Kilmeena Group Water Schemes





BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES



# Low Density Population



1940 's- 1970 's  
No Water No Sanitation  
Mass Exodus

BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES



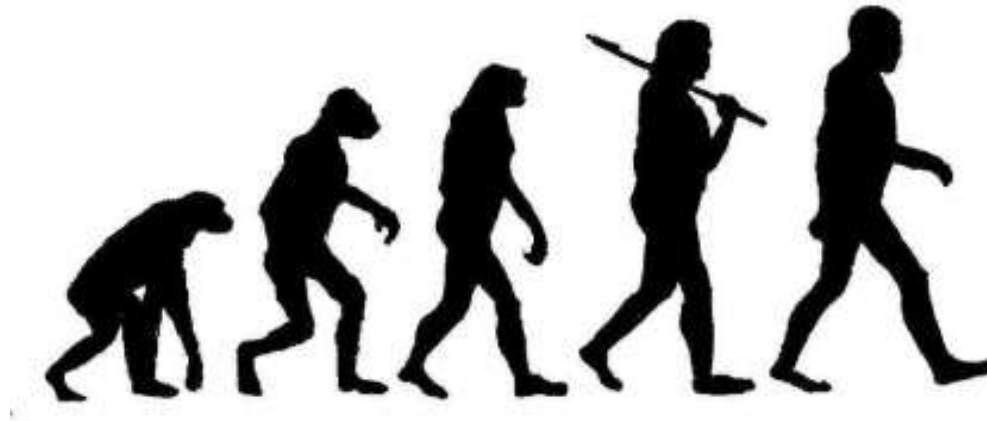


BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES



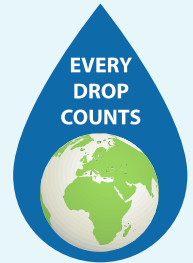
# Harsh Existence

“You can’t eat or drink a good view”



**The evolution  
of the Ballycroy , Killeen and Kilmeena  
Group Water Schemes  
In County Mayo  
began in the 1970s**

BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES





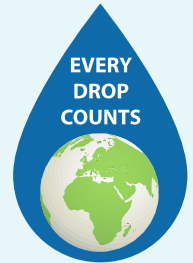
Money was  
an issue



Quantity  
not Quality



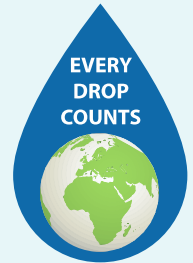
BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES





# 2009 Treated Water

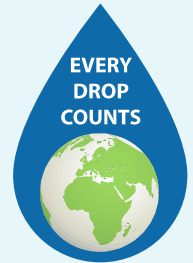
BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES

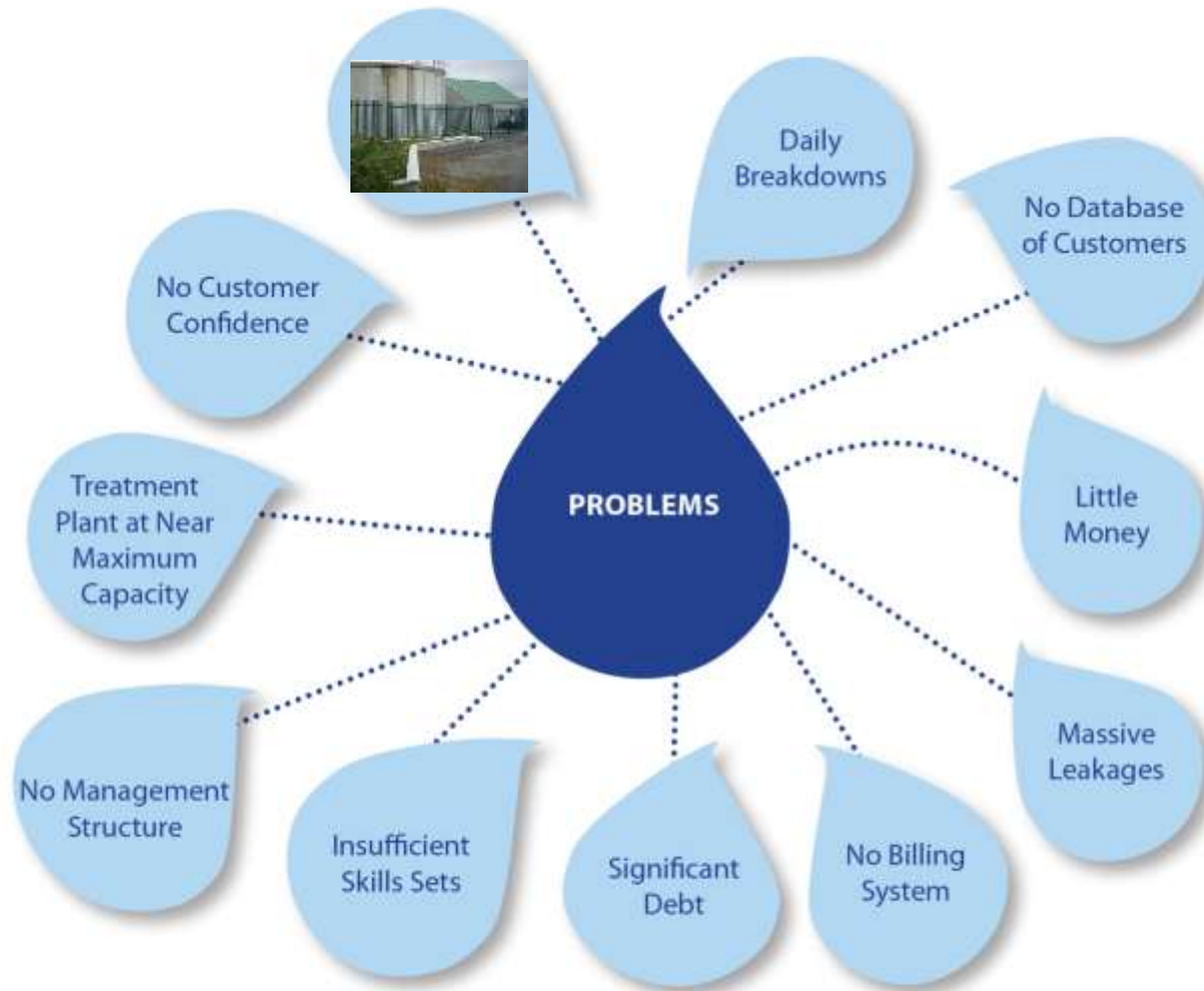




Job Done, Feet up

BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES

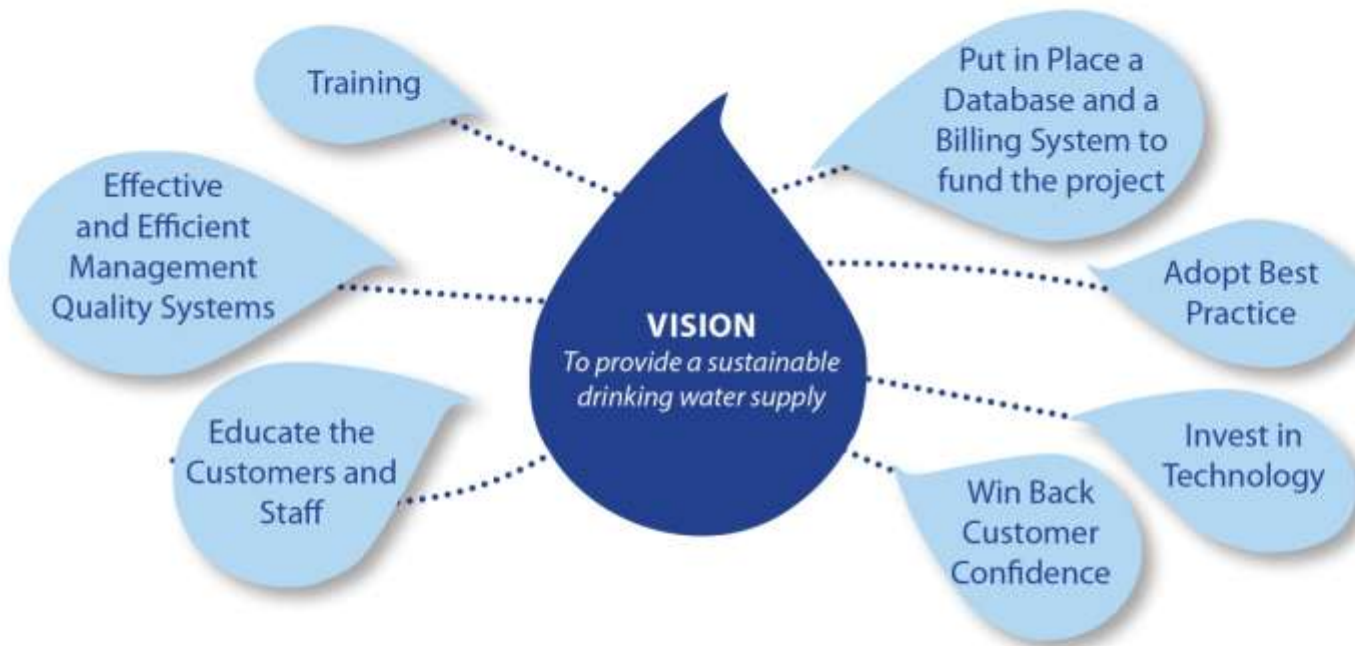




# Problems

BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES





# Vision

BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES

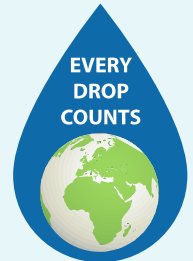


# Installation of consumer Meters and leak detection programme



Led to savings of over 60% of water produced

BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES



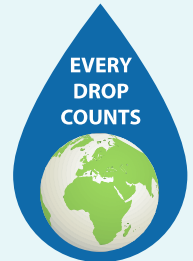


BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES





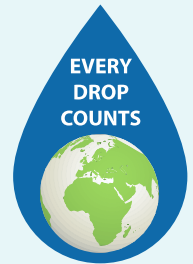
BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES



# Developing a Data, Asset, Operational Management tool

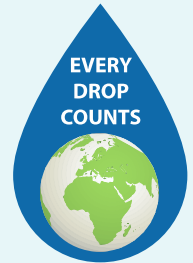


BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES





BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES



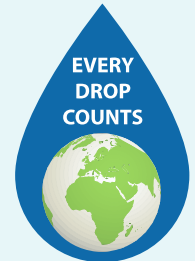
# Health

# Wellbeing

# Employment



BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES



# Water Deputies



BALLYCROIL, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES



**Educated**

**Consulted with  
Land Owner**

**Put a Plan  
in Place**

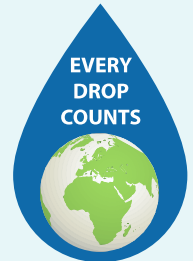
**Mixed  
Science with  
Communication**

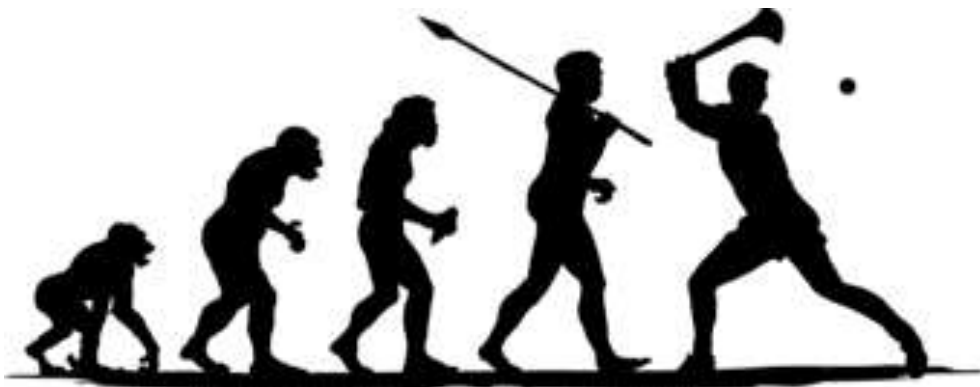
**EPA “Model  
Project”**



# Source Protection

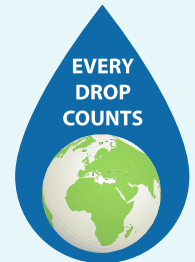
BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES





**Present Day**

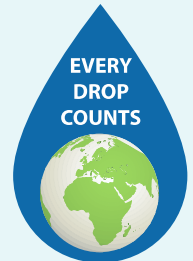
BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES



CLAR

# Positive

BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES



**Great Potential**

**GWSs on Islands and coastal**

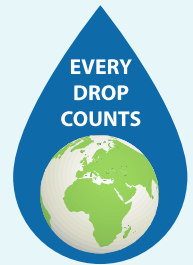
**Break Water Tanks**

**Pressure reducing valves**

**Energy rushing through  
our water mains**

**Has to be a cost benefit**

BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES





# Lessons to be learned

## DBO Operator

Choose partner carefully

Educating the stakeholders  
of the benefits is key

Thank you

BALLYCROY, KILLEEN AND KILMEENA  
GROUP WATER SCHEMES

