



# Planning for Waste Disposal Facilities into the Future

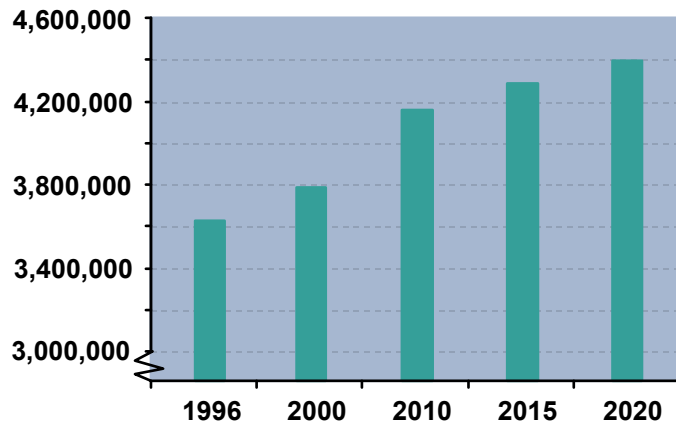
by

**EurGeol. Kevin Cullen PGeo.**



## Ireland - Population Growth 1996 - 2020

White  
Young  
Green



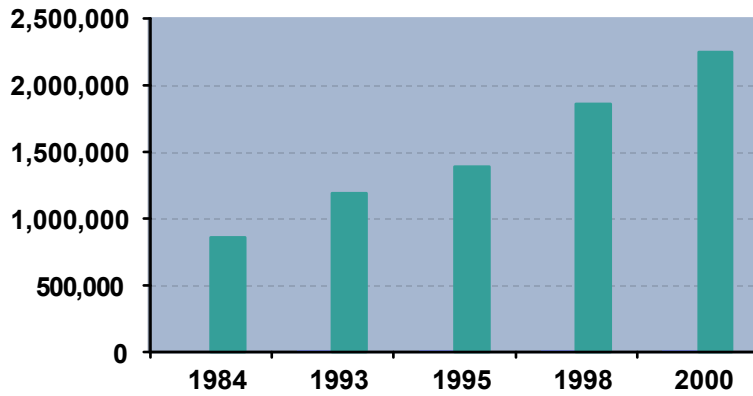
Source: National Spatial Strategy

White  
Young  
Green



## Ireland - Household & Commercial Waste Collected (tonnes)

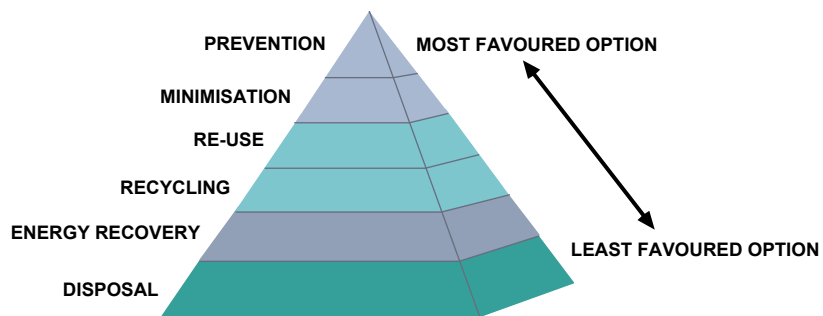
White  
Young  
Green



Source: EPA

## Waste Hierarchy


White  
Young  
Green





White  
Young  
Green

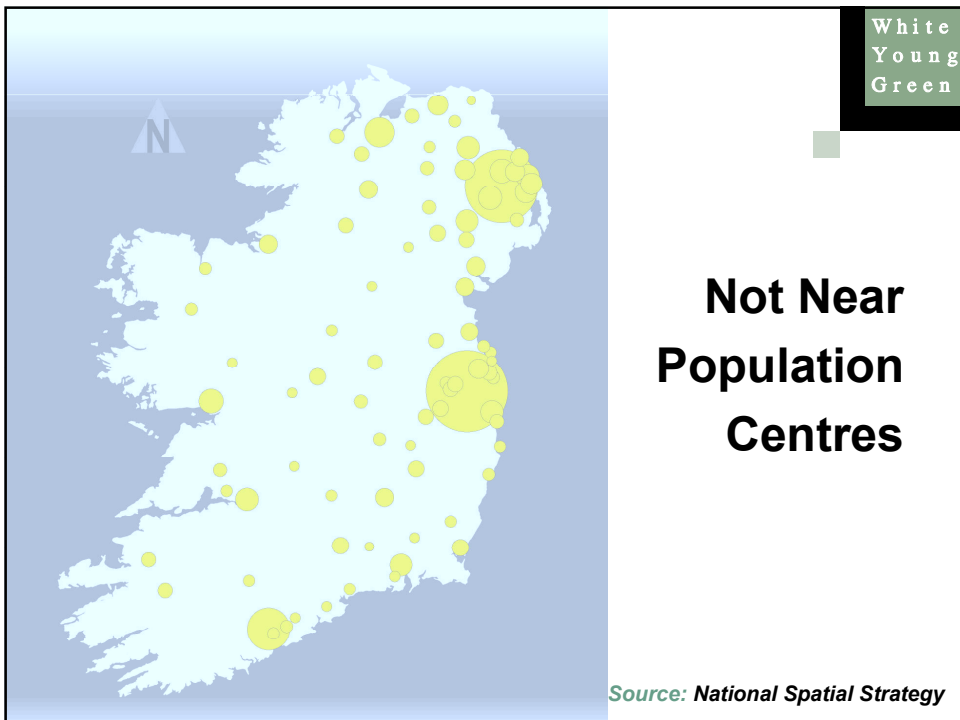
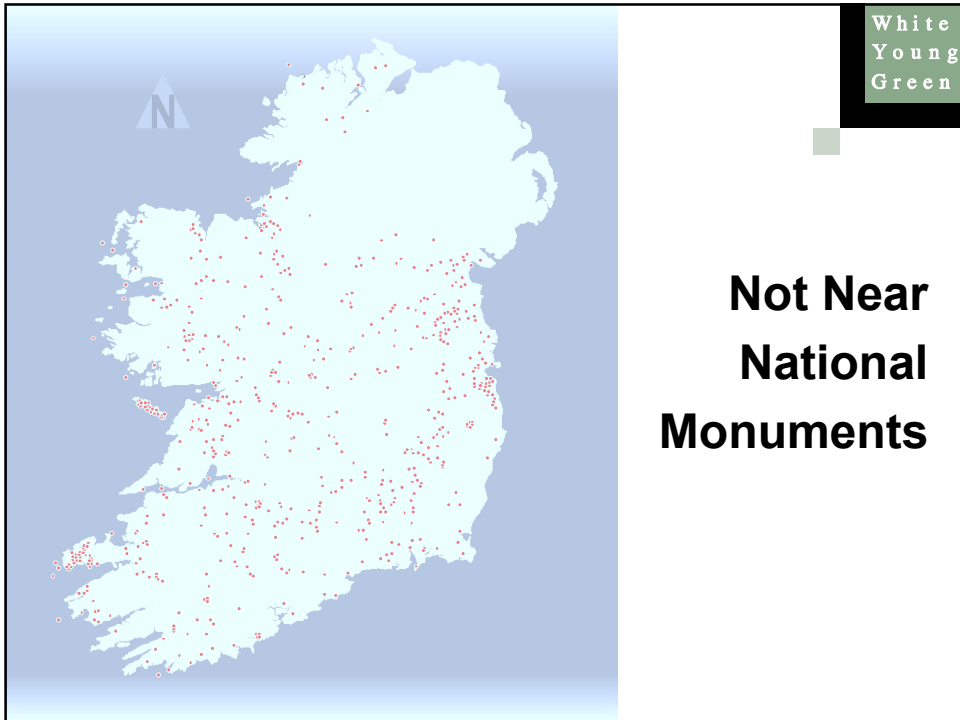
**Where Will We  
Build Future  
Waste Disposal Facilities?**

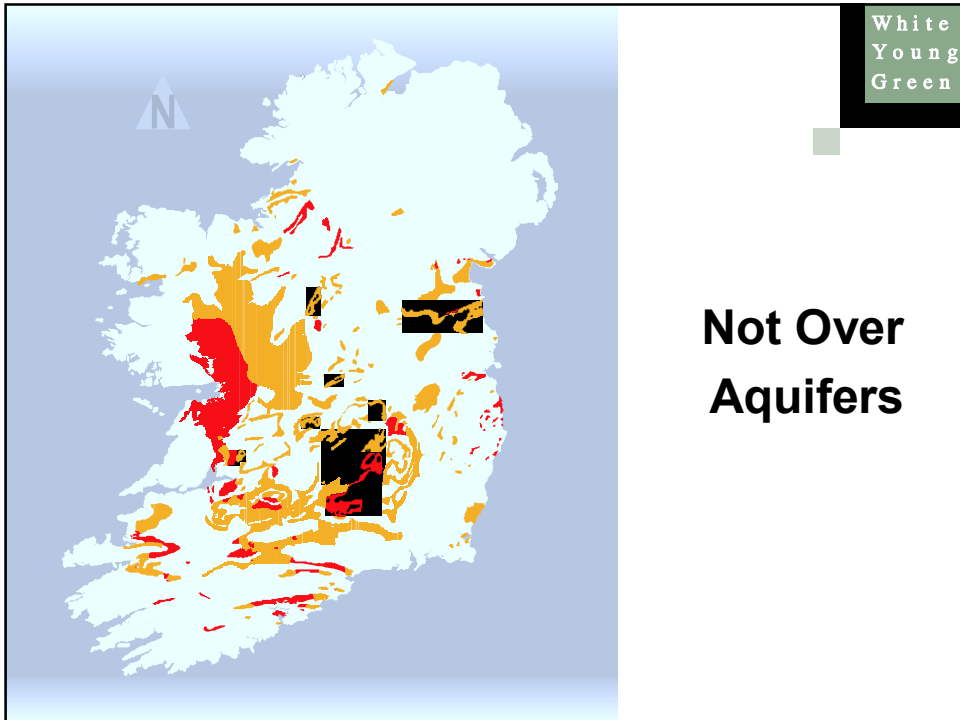


White  
Young  
Green

**NIMBY!**







White  
Young  
Green

## Groundwater Protection Responses For Landfills - Summary

Vulnerability Rating	Source Protection Area		Resource Protection Aquifer Category					
			Regionally Important (R)		Locally Important (L)		Poor Aquifers (P)	
	Inner	Outer	Rk	Rf/Rg	Lm/Lg	LI	PI	Pu
Extreme (E)	R4	R4	R4	R4	R3 <sup>2</sup>	R2 <sup>2</sup>	R2 <sup>2</sup>	R2 <sup>1</sup>
High (H)	R4	R4	R4	R4	R3 <sup>1</sup>	R2 <sup>1</sup>	R2 <sup>1</sup>	R1
Moderate (M)	R4	R4	R4	R3 <sup>1</sup>	R2 <sup>2</sup>	R2 <sup>1</sup>	R2 <sup>1</sup>	R1
Low (L)	R4	R3 <sup>1</sup>	R3 <sup>1</sup>	R3 <sup>1</sup>	R1	R1	R1	R1

R1/R2: Acceptable subject to guidance given in the EPA Landfill Design Manual or conditions attaching to a Waste Licence.

R3: Not generally acceptable

R4: Not acceptable

## General Planning Constraints

White  
Young  
Green

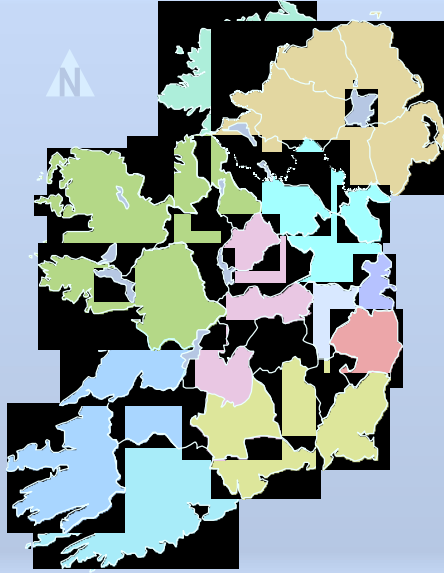
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- Tourist Amenities
  - Coastal Zones
  - Protected Views
  - Good Access
- 

## New Planning Constraint

White  
Young  
Green

- 
- No movement of treated waste across boundaries of waste regions
-





## Waste Regions

## New Planning Constraint

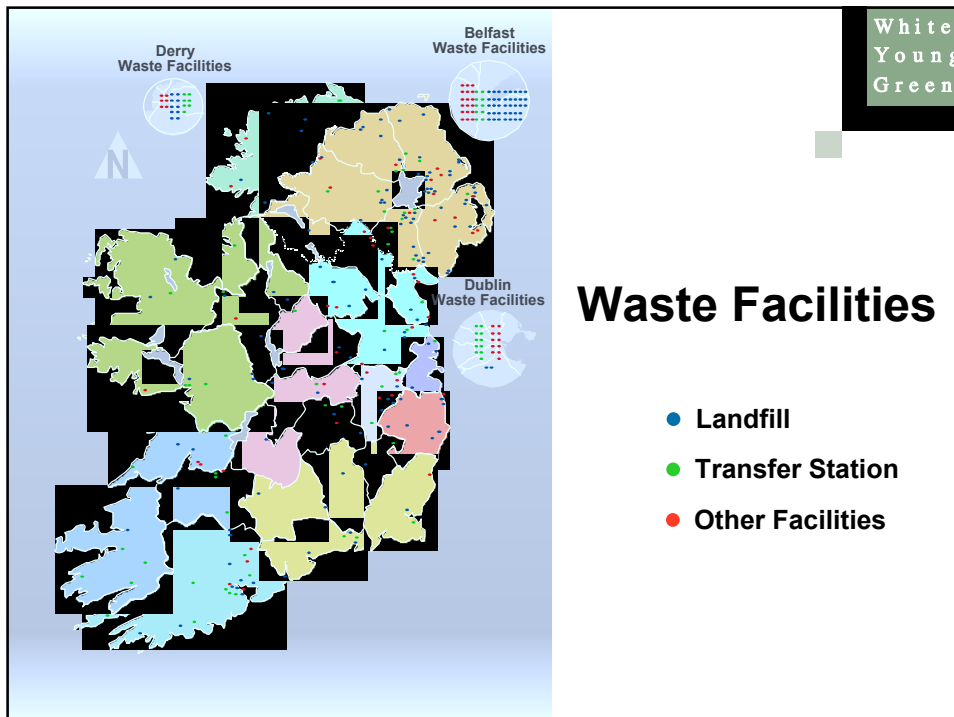


- Landfill footprint to be >250m from boundary of nearest residential holding

## Planning for Waste Disposal Facilities into the Future Must:

White  
Young  
Green

- Accept Need for Such Facilities
- Recognise Reduction in Suitable Lands
- Identify Remaining Lands
- Reserve Lands for Future Waste Activities



Nothing Disappears

White  
Young  
Green

