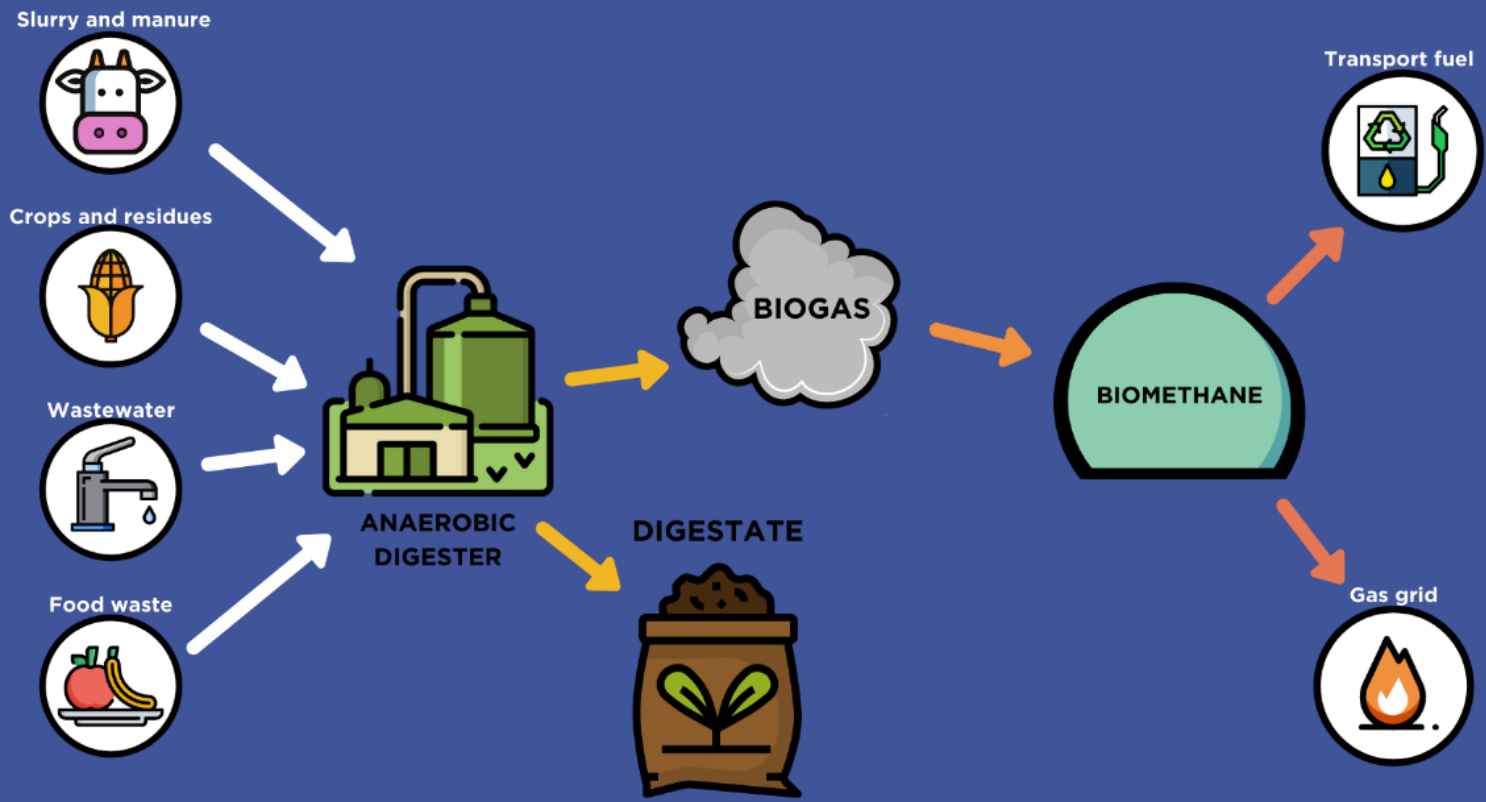
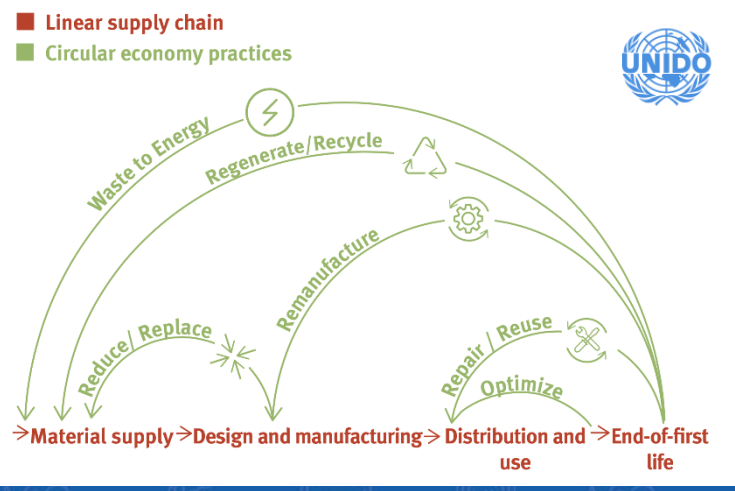




**green
generation**



Source: www.colloide.com



Source: UNIDO

1 million tonnes of food waste in Ireland (EPA).



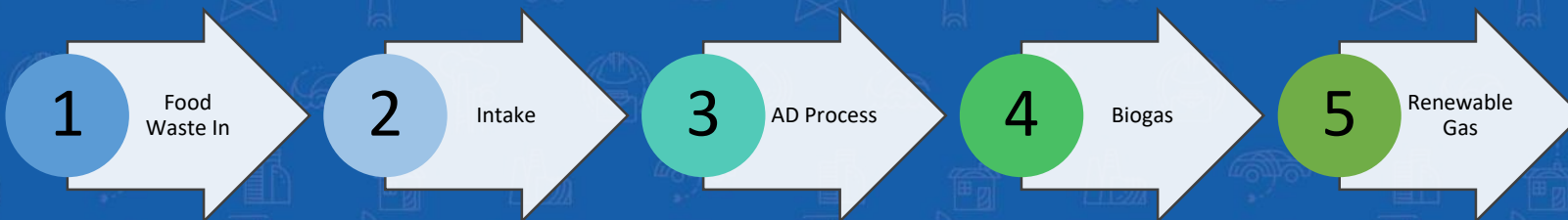
Source: AD BioResources



Source: Financial Times



Green Generation AD Plant, Nurney, Co. Kildare.





Pipeline Map



- Existing Pipelines
- Pipelines Owned by Others
- Interconnection Points
- Entry Points
- Renewable Gas Entry Point

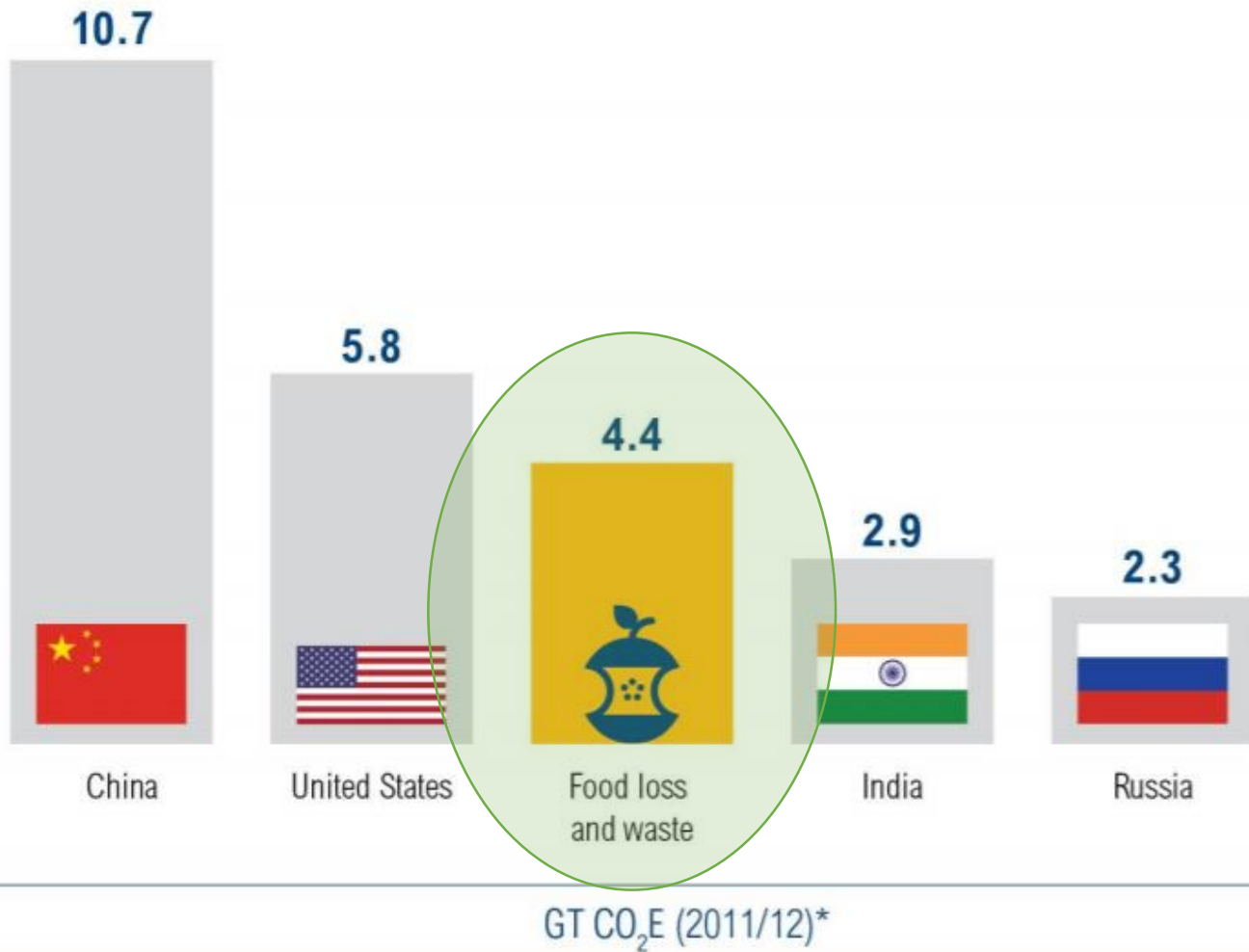


The injection point at Cush, Co. Kildare is Ireland's first dedicated renewable gas entry point and became fully operational in May 2020.

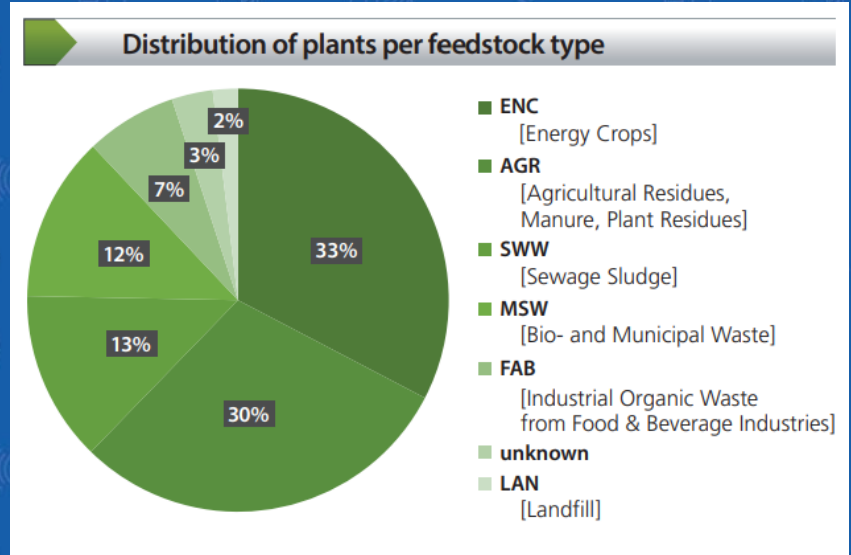


Co-Funded by;

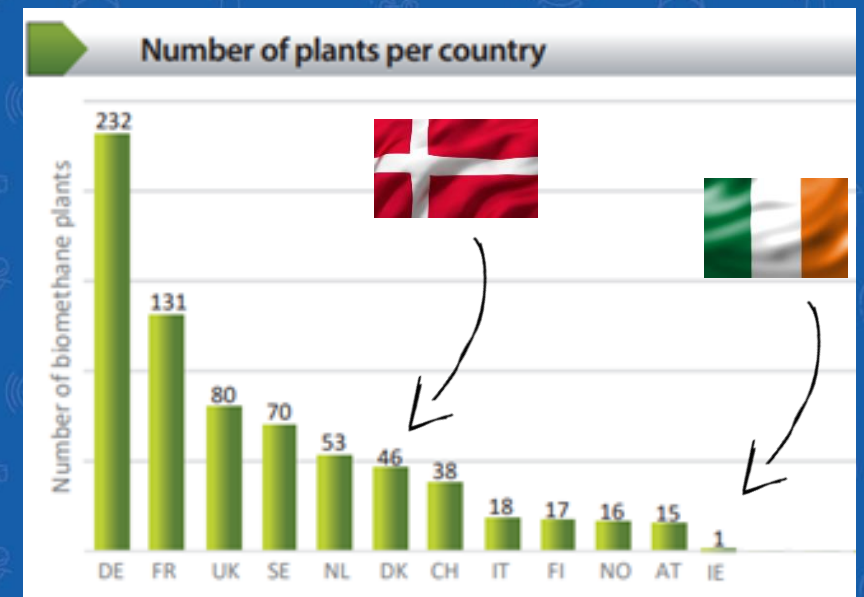
If Food Loss and Waste Were its own Country, it Would Be the Third-Largest Greenhouse Gas Emitter



Source: World Resources Institute



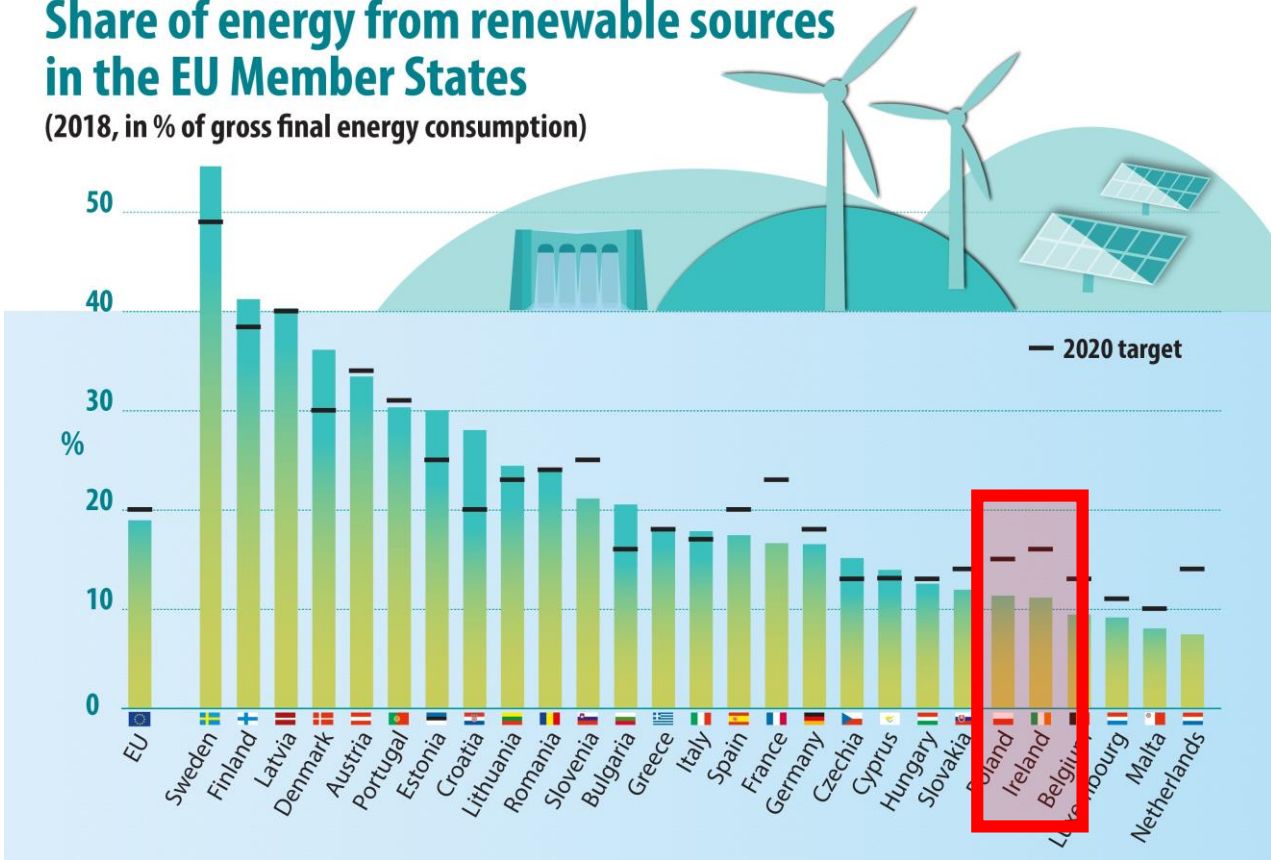
Source: GIE/ EBA



Source: GIE/ EBA

Share of energy from renewable sources in the EU Member States

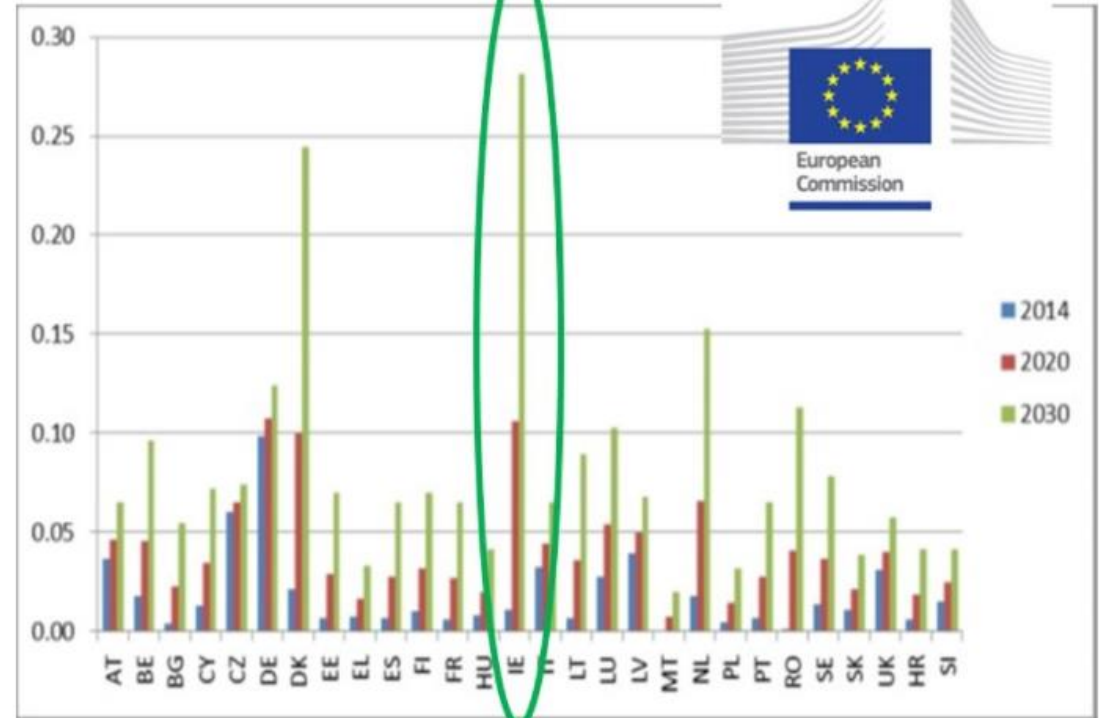
(2018, in % of gross final energy consumption)



Share of energy from renewable resources.

Source: European Commission

ec.europa.eu/eurostat



EU Commission report showing the potential of biogas/ Renewable Gas

Ireland has the highest per capita potential for renewable gas in Europe.

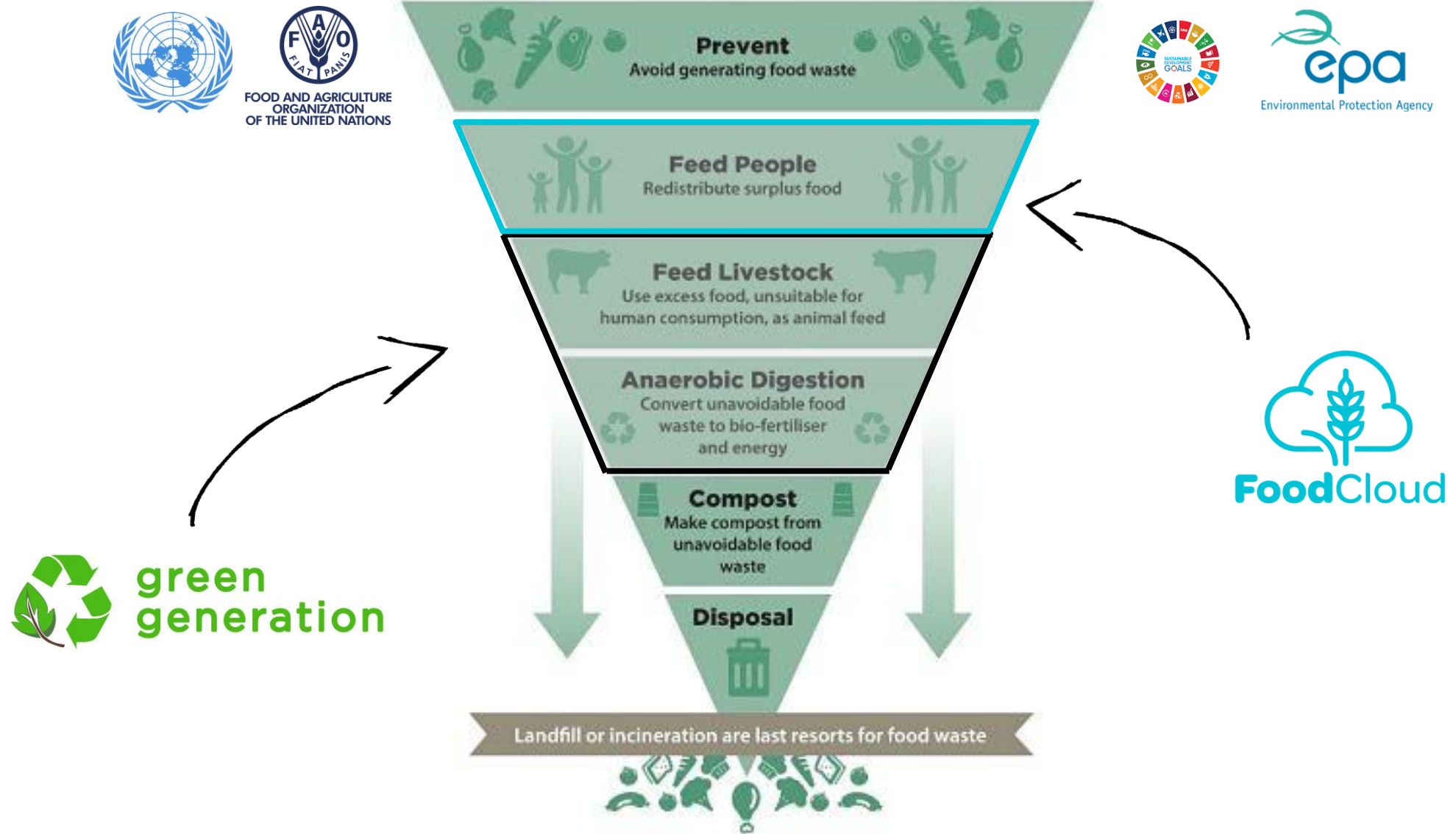
Source: Gas Networks Ireland



FOOD WASTE



FOOD WASTE HIERARCHY



Source: www.epa.ie

DRIVING DOWN EMISSIONS

According to the Gas Vehicle Network, there is no other sector of the UK economy where large CO₂ emissions cuts can be so quickly and cost effectively implemented as the HGV and in particular the long-distance truck sector.



Source: Gas Vehicle Network UK



Source: GNI

There are 4 fast-fill CNG stations at Dublin Port, Cashel, Limerick and Cork.



Biomethane fleet at Green Generation



Biomethane.

The future for HGV fuel.

Early adopters.....



Mercedes-Benz

P&G

WAITROSE
& PARTNERS

ANHEUSER-BUSCH



ASDA



Sainsbury's

TESCO

amazon



FedEx



Coca-Cola



Walmart



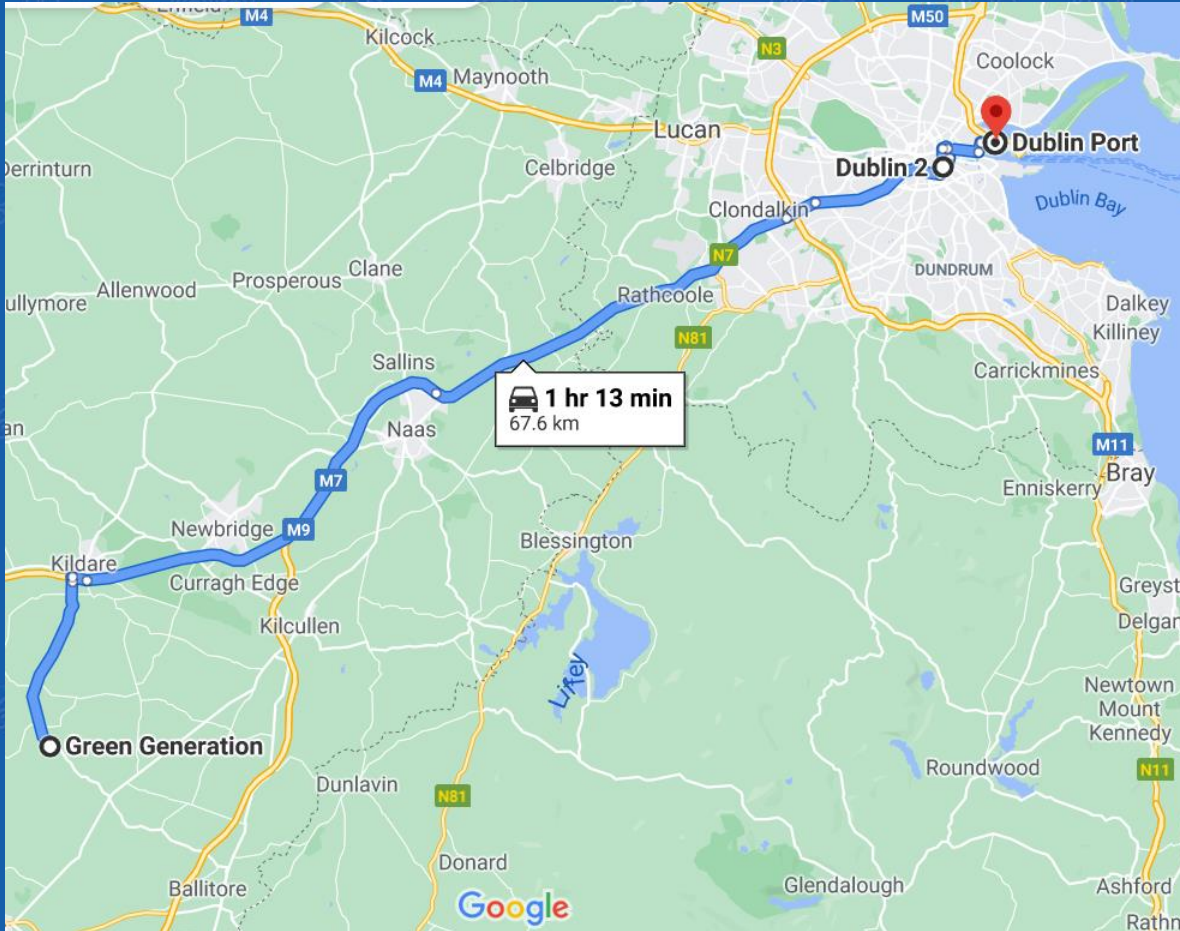
DRIVING DOWN EMISSIONS

Green Generation to Dublin return 132km.

Twice weekly is 264km.

Annually is 13,728km.

By using biogas trucks, organisations in Dublin have the potential to cut their CO₂ emissions by 11,289kg per year.



Source: Google Maps

Calculate CO₂ by mileage:

Distance	Consumption	Fuel Type	CO ₂ produced
13728 km	9 MPG	Diesel	11289.00 kg

Source: <https://www.commercialfleet.org/tools/van/carbon-footprint-calculator>

cut the carbon



A ten-year-old evergreen tree absorbs 14 kg carbon dioxide per year.

Source: <https://www.treecouncil.ie/eannanilamhnacarbonfootprint>

Switching now to a biogas truck would save the equivalent of planting 806 trees per year.



PLASTIC



CONTINUAL INNOVATION

Thermo Plastic Recycling, developed and patented by our partners Paltech.

This versatile system can process all types of polymers into high value products.

Paltech, founded in Galway 2018, 120 years combined experience, 14 patents awarded





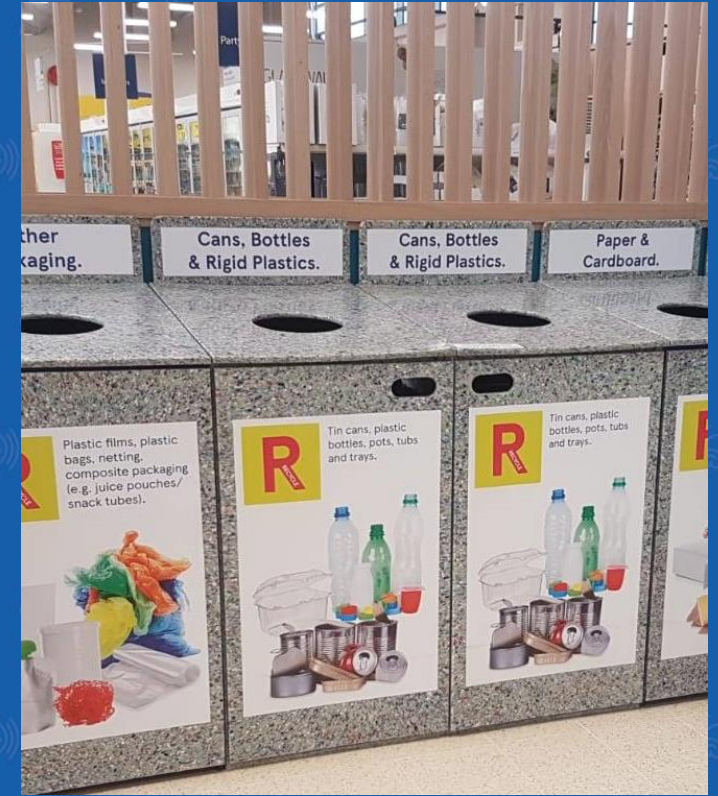
Motorway Bollards

**166 TONNES
OF WASTE
PLASTIC PER
KILOMETRE**



Telegraph Poles

**400KG OF
WASTE
PLASTIC PER
POLE**



Cladding

PRODUCTS IN THE PIPELINE

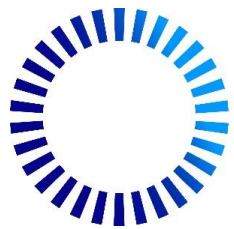
DANONE



Naturgy 



TESCO



**Gas
Networks
Ireland**

glenisk
naturally from Ireland

glanbia 

Green Isle

Thank You.



Any questions?

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