

# Assessing Capturing & Utilising Methane from Expired and Non-operational landfill

➡ €2.9m over three years (2012/13-15/16)

➡ EA lead with LA and industry partners

➡ Demonstrate novel technology to investigate, capture and use methane from old landfill

➡ Liability.....Asset

# Background

- ➔ Methane from landfill a significant GHG
- ➔ Closed & historic landfill – no methane capture
- ➔ New technologies untested over long periods
- ➔ Cost Benefit Analysis needed

# Objectives

- ➔ Map the stakeholder audience.
- ➔ Demonstrate methane capture and use from a range of closed and historic landfill sites.
- ➔ Establish their viability by monitoring.
- ➔ Communicate the lessons learnt from ACUMEN.
- ➔ Deliver project actions using best practice project management.

# Benefits

- ➔ Improving of capturing methane from these sites
- ➔ Greater knowledge and confidence in methane capture from closed and historic landfills
- ➔ Increased energy generation from methane capture at closed and historic landfills.
- ➔ Reduced greenhouse gas (GHG) emissions and bringing derelict land back into use.

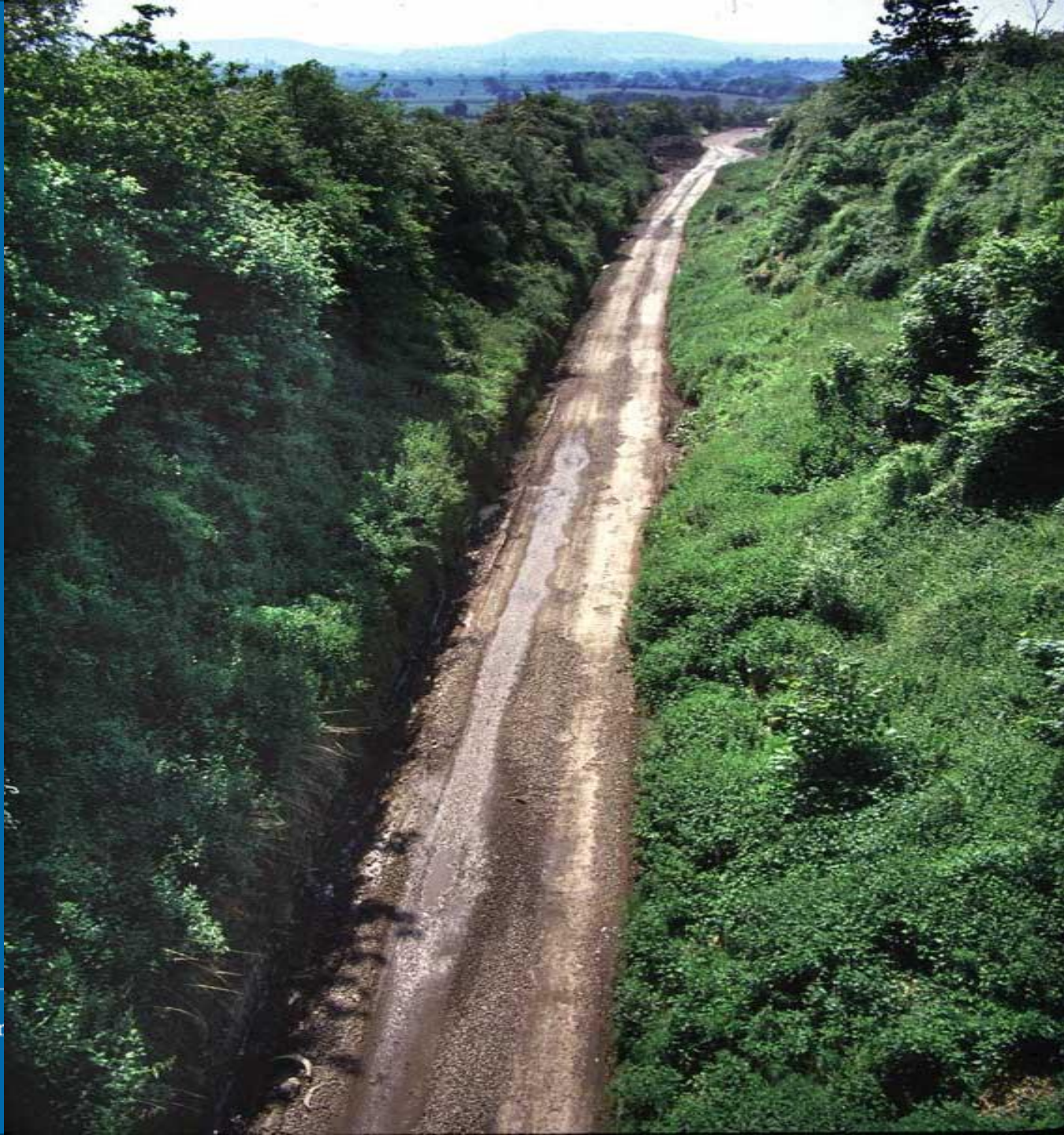
# Project partners

➡ Defra & DECC – co-financiers

➡ Environment Agency – co-ordinating beneficiary

➡ Associated Beneficiaries – working partners

➡ Norfolk County Council; Biogas Tech Ltd; GGS; Warsaw University of Technology





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# Microturbines (© Vykson.com)





# Forward look

➡ Joint Methane Capture Project

➡ Cost Benefit Analysis – Landfill Sector

➡ Promulgation of results across Europe