

Llywodraeth Cymru Welsh Government

Coal Tip Safety & Climate Change Resilience

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Climate Change and Sustainability: Impacts and Innovation in Contaminated Land

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What is the problem?

The Tylorstown Landslip

Impacts of Climate Change

Climate Change Resilience

Sustainability Opportunities



What is the problem?

Approx. 2500 Disused Coal Tips

A 'disused tip' means an accumulation or deposit of refuse from a mine or quarry to which the Quarries Regs or Mines Regs do not apply



Current legislative framework is not fit for purpose



Can present multiple hazards



Waste management challenge

The Tylorstown Landslip



60,000t of debris blocked the Rhondda Fach River



160,000t of tip material in-situ



Over £12 million to remediate

Impacts of Climate Change

Rainfall has increased by 13% since the 1960s

Increasing pattern of wetter weather, more frequent storms and heavier rainfall

Greater likelihood of periods of drought

Increase in the frequency and severity of wildfires

Climate Change Resilience: Infrastructure

Design Capacity

Ageing Infrastructure

Site Practices

Climate Change Resilience: Land Use

Biodiversity

Land Cover

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Re-Purposing





Sustainability: Use of Technology



Sustainability: Reclamation



Strategy Review









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www.gov.wales/coal-tip-safety