



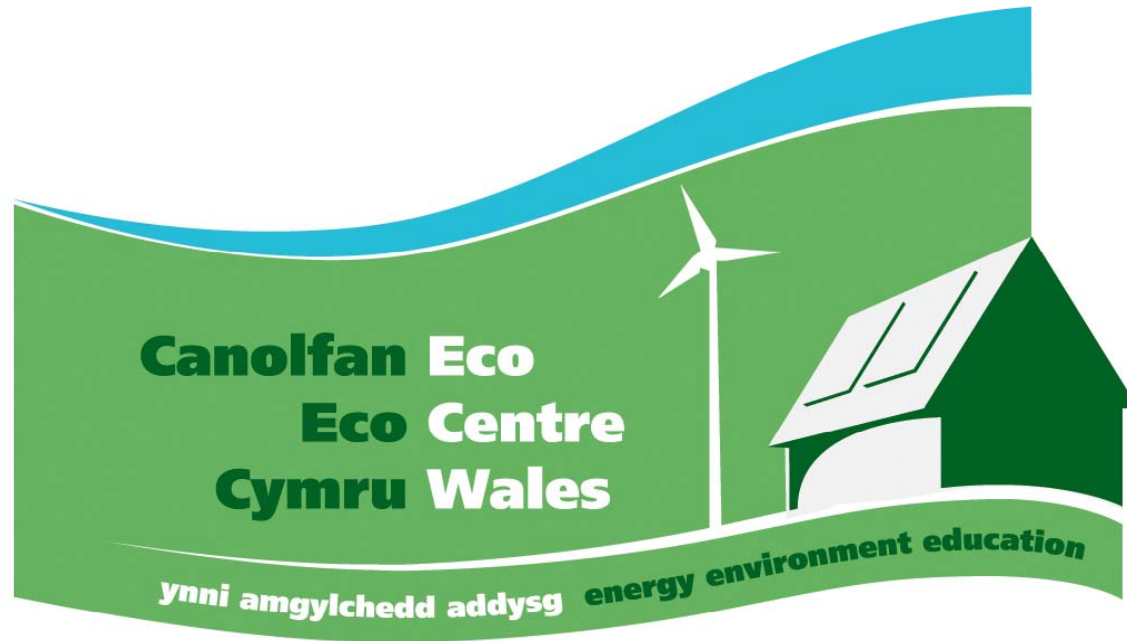
RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund



Jake Hollyfield
Director



RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

Eco Centre Wales

- Non Governmental Organisation
- Established 1980
- Promotes issues of energy and environment through projects and advice
- Employs 14 people in two locations in Wales





RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

Green Jobs and Training

- Opportunities for the Welsh economy and employment
- Government ambitions
- Context
- Our experience
- Reality





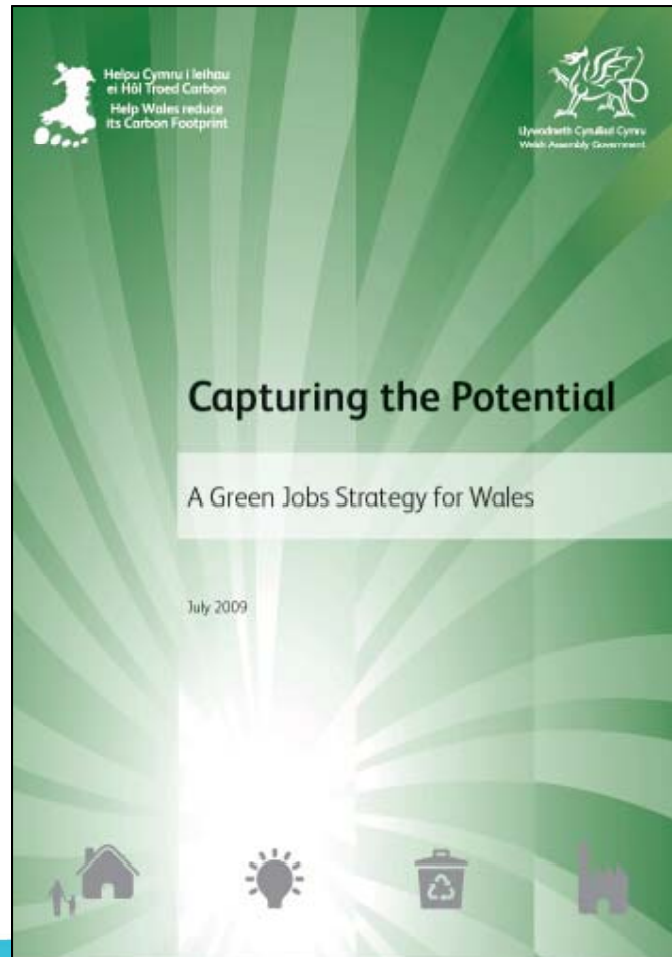
Political context

- Coalition government in Wales 2007-2011
- 'Devolved' (transmis) but not independent
- 'One Wales' programme of Government
- 'One Planet: One Wales' Sustainable Development Scheme



European Union
European Regional Development Fund

A Green Jobs Strategy for Wales





Key Points

- The strategy was written in 2009
- Delivers commitment made in 'One Wales'
- Complements 'One Planet:One Wales'
- Forms overarching (chapeautant) strategy to achieve a sustainable economy for Wales



RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

Welsh Government Targets

- 3% per year reduction in greenhouse gas emissions in areas of devolved competence
- 70% recycling of all waste by 2025
- Net exporter of renewable energy by 2025





RETS
Renewable Energies Transfer System



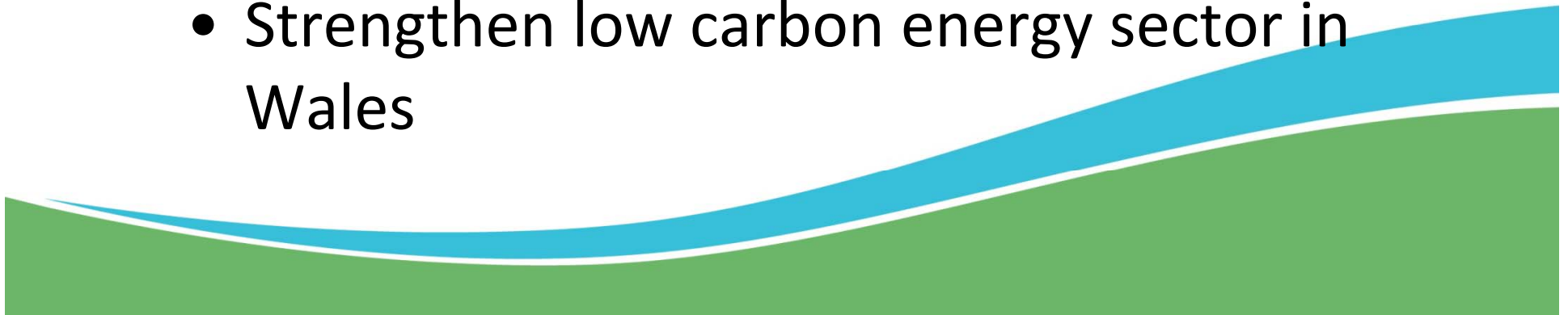
INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



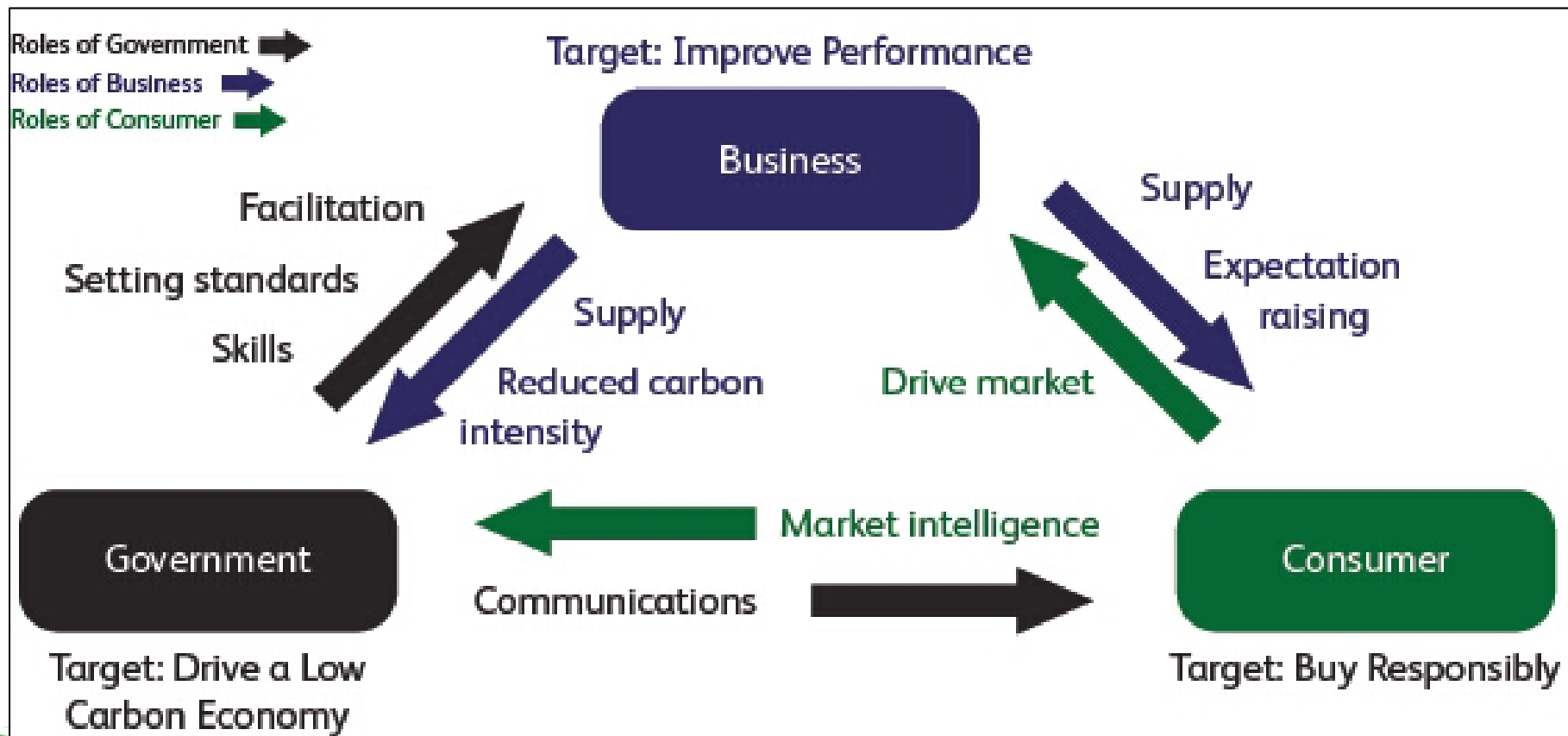
European Union
European Regional Development Fund

Green Jobs Strategy - Aims

- Enhance competitiveness and profitability through energy, waste and water efficiency
- Develop low carbon and low waste products and services and promote them
- Strengthen low carbon energy sector in Wales



How does it work?





RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

Framework for delivery

- Supporting Business
- Fostering Innovation and Technology
- Investing in a more Sustainable Economy





RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

Supporting Business – key drivers

- EU Emissions Trading Scheme
- Carbon Reduction Commitment
- Pollution Prevention and Control
- EU Energy directive and Energy Using Products directive
- EU 2020 20% Renewable energy targets



RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

Supporting Business – key actions

- Energy, waste and water advice
- Customer Relationship Management
- Technology and innovation
- Support for resource efficiency
- Funding for ‘start ups’
- Incubation
- Trade and investment



European Union
European Regional Development Fund

Fostering Innovation and Technology

- Advice
- Incubation
- Market information
- Knowledge transfer
- Supporting R & D
- Funding
- Trade and investment



Investing in a more sustainable economy

- Energy
- Water
- Transport
- Buildings
- Housing
- Broadband and ICT
- Waste management



RETS
Renewable Energies Transfer System



European Union
European Regional Development Fund

Examples – all EU funded

- Wood Energy Business Scheme - WEBS
- Community Scale Renewable Energy – ‘Ynni’r Fro’
- Rural Development Plan
- Energy Efficiency improvements on existing social housing - ‘ARBED’



RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

WEBS 2

- Managed by [Forestry Commission Wales](#)
- a £20 million pan-Wales project part-funded with £7.8 million from the ERDF through the Welsh Government.
- The scheme provides capital grant support to businesses for woodfuel heating systems and processing equipment to develop the sustainable and renewable wood heat market across Wales.



Ynni'r Fro

- National network of Renewable Energy experts to support communities across Wales
- Up to 5MW projects
- Outputs = social enterprises, jobs, clean energy





ARBED

- The [arbed](#) programme is the WG Strategic Energy Performance Investment Programme.
- It supports the commitment to reduce climate change, help eradicate fuel poverty and boost economic development and regeneration in Wales by installing a wide range of energy measures
- Phase one was the largest programme of its type in the UK
 - £30M – Welsh Government
 - £20M – energy companies
 - £10M – social landlords



Arbed

- 28 schemes
- 6000 properties benefited inc:
 - 3000 solid wall insulation
 - 1800 PV installations
 - 1080 Solar Thermal
 - 1000 fuel switch
 - 100 Heat pumps
 - Boilers upgrades and replacements, window upgrades, structural and roof work
 - Energy advice



RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

Ynni'r Fro

- Feasibility grant only
- State Aid rules have stopped the grants
- In the UK we can not take public funding and benefit from the Feed-in Tariff
- No major project successes.
- No new enterprises and no new jobs



RETS
Renewable Energies Transfer System



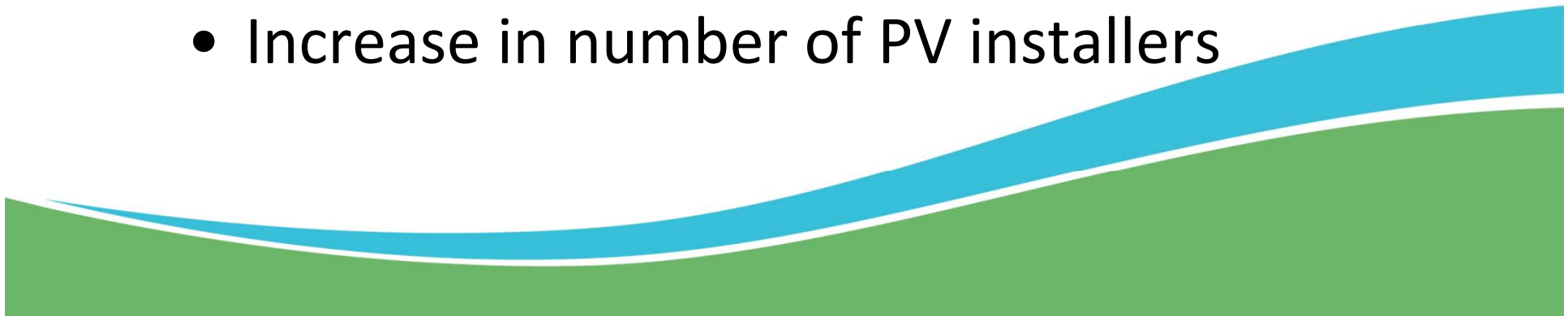
INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

What is happening now?

- The domestic Solar PV market has grown very quickly.
- Feed-in Tariff is the reason
- But UK government is changing the rules, so no 5MW systems only <50kW
- Increase in number of PV installers





RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

What is happening now?

- Existing companies (solar hot water, heating and plumbing) are expanding into PV
- But big projects are losing out





RETS
Renewable Energies Transfer System



European Union
European Regional Development Fund

Western Solar – Pembrokeshire





RETS
Renewable Energies Transfer System



European Union
European Regional Development Fund

Western Solar

- [First large scale solar array in Wales](#)
- US thin film PV panels
- Czech engineering firm for construction and project management
- Local firm for 'civils' – digging holes





RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

Sharp Solar - Wrexham

BBC Mobile News | Sport | Weather | iPlayer | T

NEWS NORTH EAST WALES

Home | World | UK | England | N. Ireland | Scotland | **Wales** | Business | Politics | Health | Education | Sci/En

Wales Politics | North West | **North East** | Mid | South West | South East

27 January 2011 Last updated at 09:46

300 new jobs for Sharp's solar panel factory at Wrexham

A total of 300 new jobs are being created at Sharp's Wrexham factory which is doubling solar panel production.

A £30m expansion was announced last summer at the company's site in Llay. Now, the scale of the jobs boost has just been confirmed.

Chris Huhne, Energy and Climate Change Secretary, described the news as "excellent".

Sharp said the expansion increases the workforce to 1,100.



The investment almost doubles production capacity, with an additional 3,000 panels made every day

Other technologies

NEWS

[LIVE BREAKFAST](#)

Page last updated at 06:45 GMT, Thursday, 14 January 2010

[E-mail this to a friend](#) [Printable version](#)

Wales 'missing out on green jobs'

Wales has missed out on the chance to create manufacturing jobs in green energy, says the head of a renewable energy company.

The commercial director of Cardiff-based Eco2 will tell an assembly committee that Wales is an unattractive place for green firms to invest.

Darren Williams blamed a "slow and unpredictable planning process".



Micro renewables may be a source of jobs, says Eco2's Darren Williams

- News Front Page
- World
- UK
- England
- Northern Ireland
- Scotland
- Wales**
- Wales politics
- Business
- Politics
- Health
- Education
- Science & Environment
- Technology
- Entertainment
- Also in the news



RETS
Renewable Energies Transfer System



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS



European Union
European Regional Development Fund

Wales Renewable Energy Future

Eco Centre Wales
invites you to



Wales: a renewable future
The Norwegian Church, Cardiff Bay
Wednesday September 21st 2011
10.45-1.30pm

Come and discuss the Energy options for Wales with

- John Griffiths AM, Welsh Assembly Environment Minister
- Eluned Morgan, Director of Low Carbon Business Development SWALEC/ SSE Wales
- George Marshall, Founder & Director of Climate Outreach & Information Network
- Llywelyn Rhys, Head of Renewables UK Cymru
- Chaired by Jane Davidson, Director of INSPIRE at University of Wales Trinity St David



Wales' Renewable Energy Future





Concluding remarks- our experience

- There IS an expansion in the job market in Wales – especially in the domestic PV sector
 - Feed-in Tariff for PV is the reason – UK Govt Policy ✓
- Large scale PV development has stopped
 - Reduction in the 5MW cap to 50kW – UK Govt Policy ✗
- Wind farm development in Wales is slow
 - Regulatory environment unfavourable – Welsh Govt ✗
- Energy efficiency industry is very busy and growing
 - Arbed grants programme for social landlords - WG energy policy ✓
 - UK Govt Energy efficiency policy ✓
- Community Energy sector is struggling, although there are some successes, but not because of Govt policy
 - UK Govt policy on FiT and de Minimus State Aid rules ✗