

Photovoltaics

Chair: Professor Stuart Irvine (Centre of Solar Energy Research)

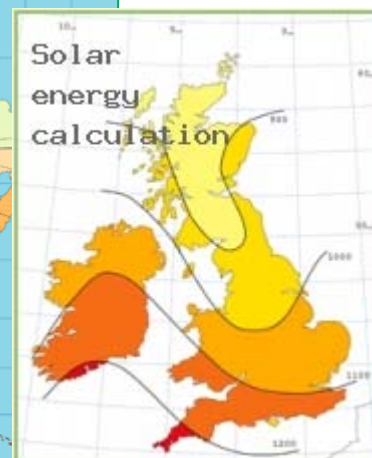
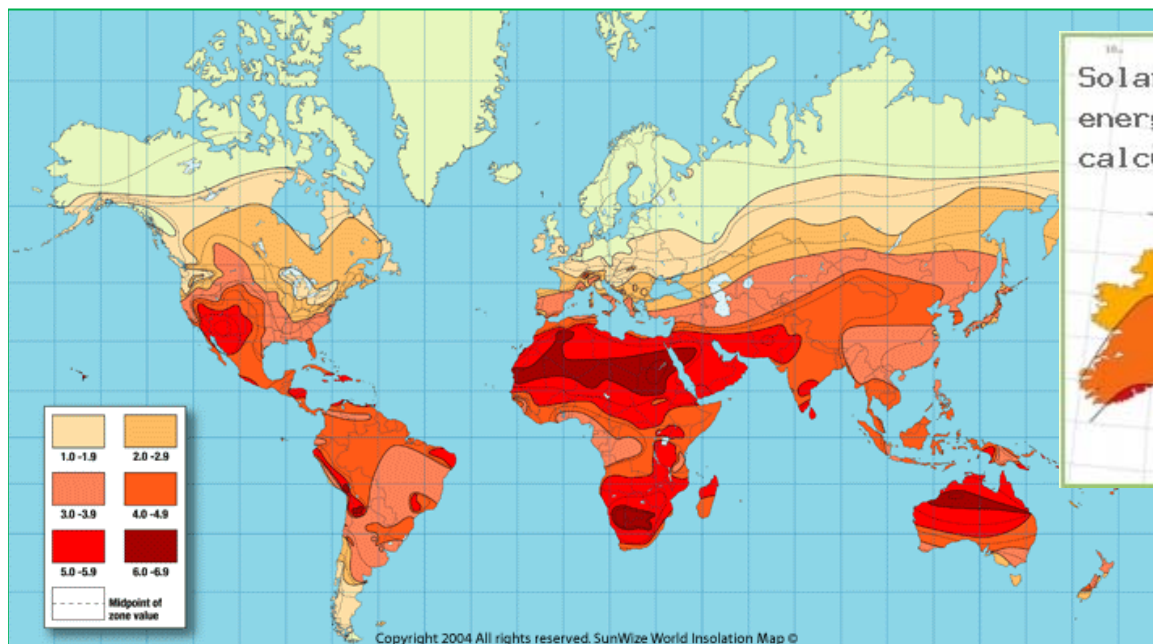
Professor Andy Evans (Aberystwyth University)

Dr Vincent Barrioz (Centre of Solar Energy Research)

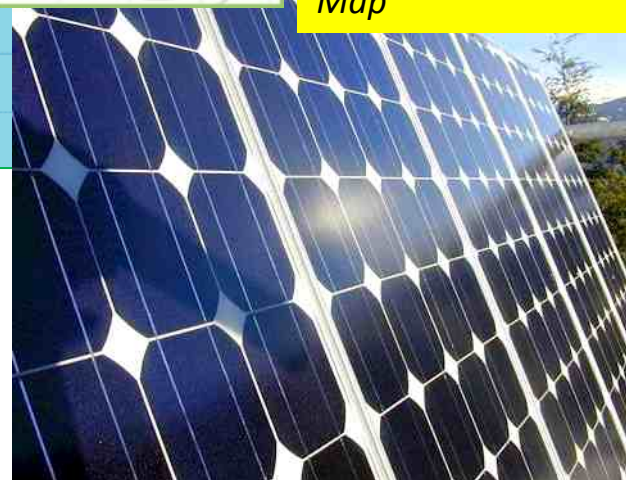
Dr Peter Holliman (Bangor University)

Dr Daniel Nuh (Solar Source Ltd)

Solar irradiance



“The solar resource in Wales is more than adequate to support a 2.4 TWh/yr aspiration, since the annual irradiance varies from 2.67 TWh/yr/km² (North Wales) to 2.8 TWh/yr/km² (South Wales)”. *WOF PV Road Map*



Wales, South East and South West of UK has similar solar irradiation as the market leader: Germany!

Even in cloudy weather PV works!

Potential for expanding PV production in Wales

-WOF PV Road Map for Wales 2008

	By Year	Potential Production Capacity
Baseline	2008	~300 MW
Short Term	2011	~400 MW
Medium Term	2015	~580 MW
Long Term	2020-2025	1000-1500 MW



	Year	Production Capacity per year	Additional Jobs Created
Short Term	2011	400MW	1000
Medium Term	2015	580 MW	2,500
Long Term	2020-2025	1000-1500 MW	8,000-12,000



Aim for 10% electricity generation in Wales from PV by 2025 (2.4 TWh/yr or 3GW installed)