



Scotland's Renewable Future

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Overview

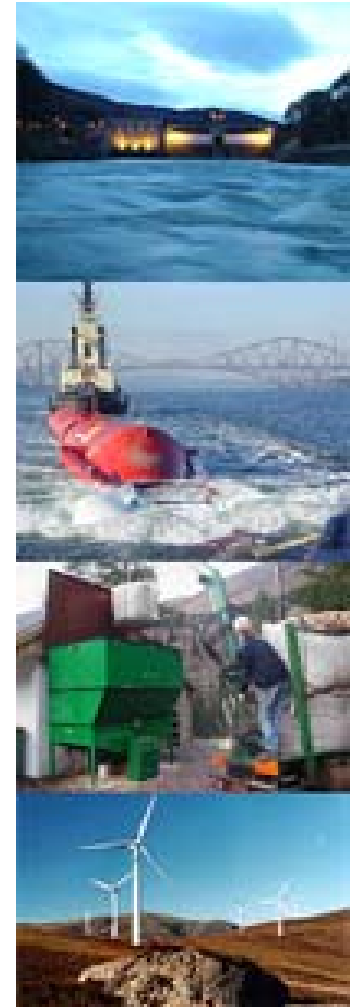
- Who are Scottish Renewables?
- Working together
- Why Renewables?
- Overcoming hurdles
- Role of planners
- Summary

Scottish Renewables

The voice of the renewable energy industry in Scotland

- Member-led trade association
- Over 300 member organisations
- Includes developers, consultants, landowners, NGOs, government agencies etc
- All sectors – wind, wave, tidal stream, hydro, biomass, micro...

Creating viable and sustainable markets for renewable technologies

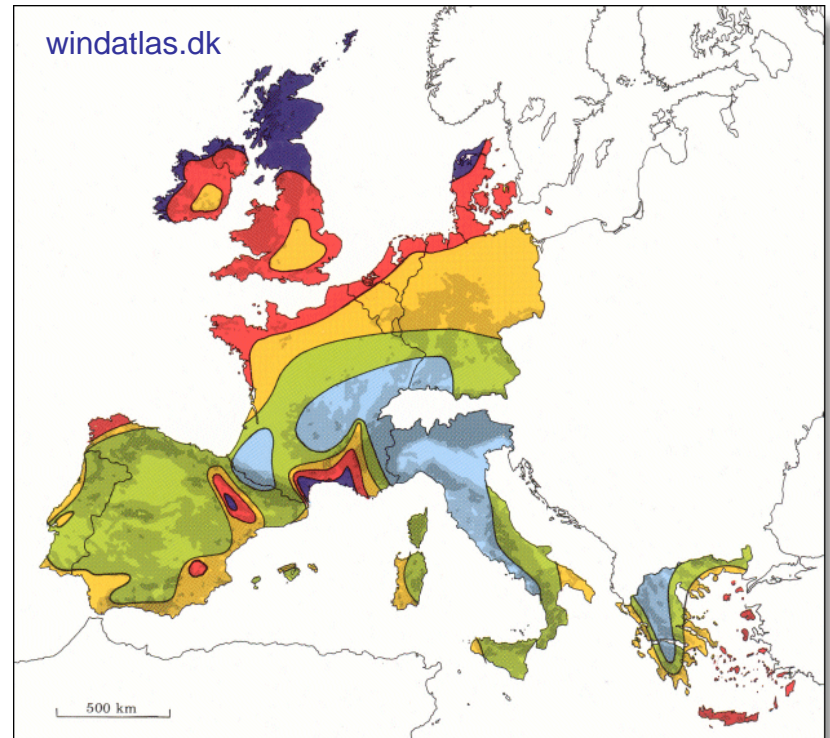


Working together

- Work closely with Renewable-UK
- Joint response to consultations
- Jointly tackle cross cutting issues
- Develop guidance
- Conferences and seminars

Scotland's Rich Renewable Resource

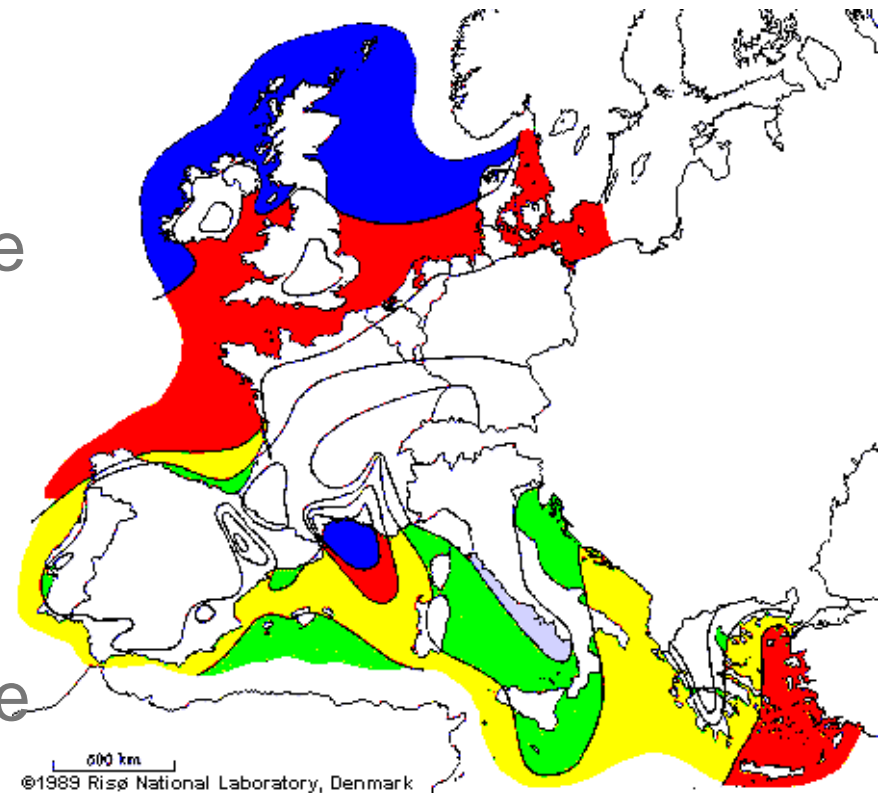
- 25% Europe's wind resource
- ~25% Europe's tidal resource
- ~10% Europe's wave resource



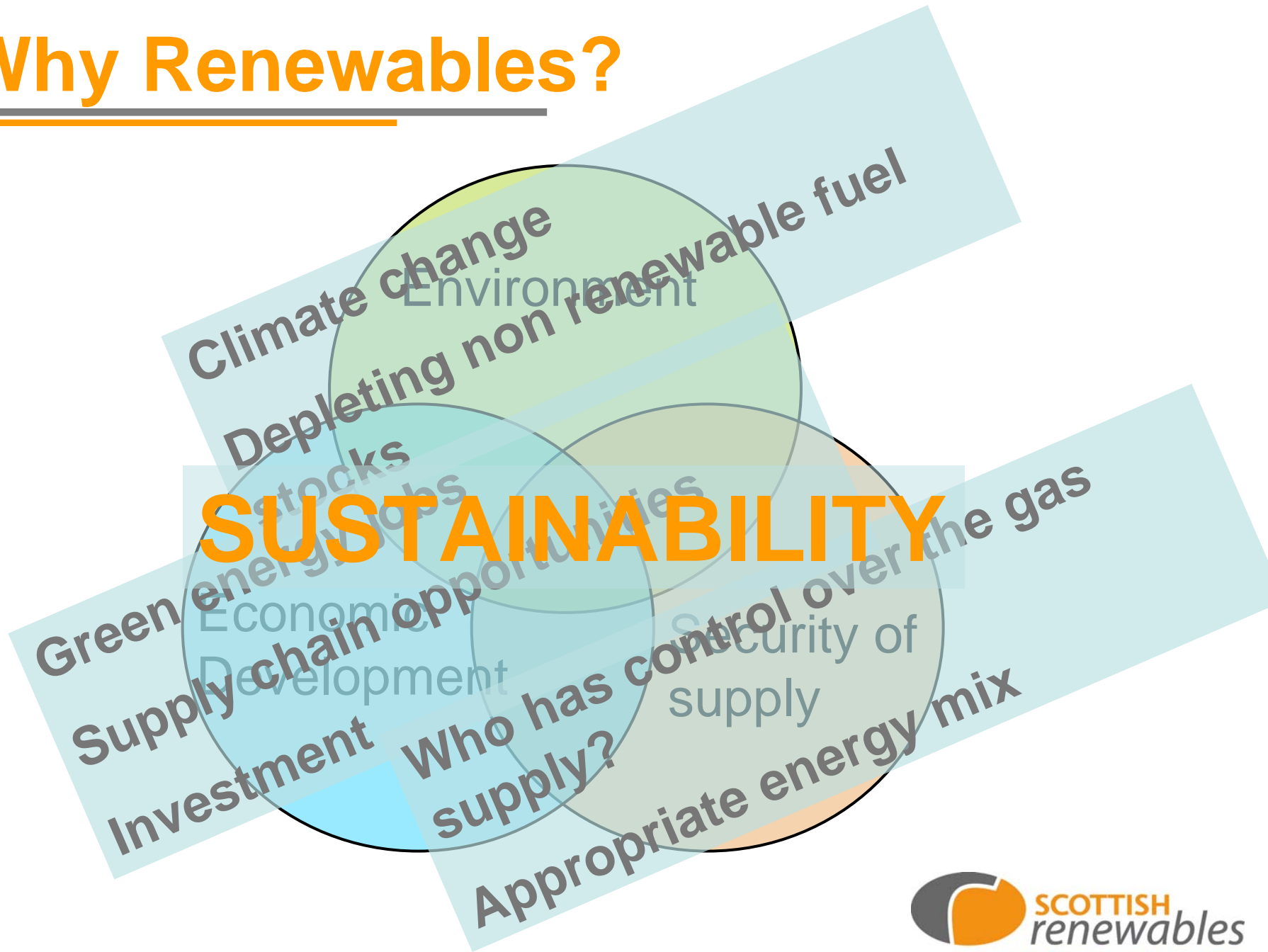
Wave and tidal ~ 1.2GW by 2020

Offshore Wind

- Highest offshore wind resource in Europe
- UK - world leader in offshore wind development
- The Crown Estate – agreements for >10GW
- Huge rewards, but greater risks and costs than onshore



Why Renewables?



2020 Targets

European Energy Policy

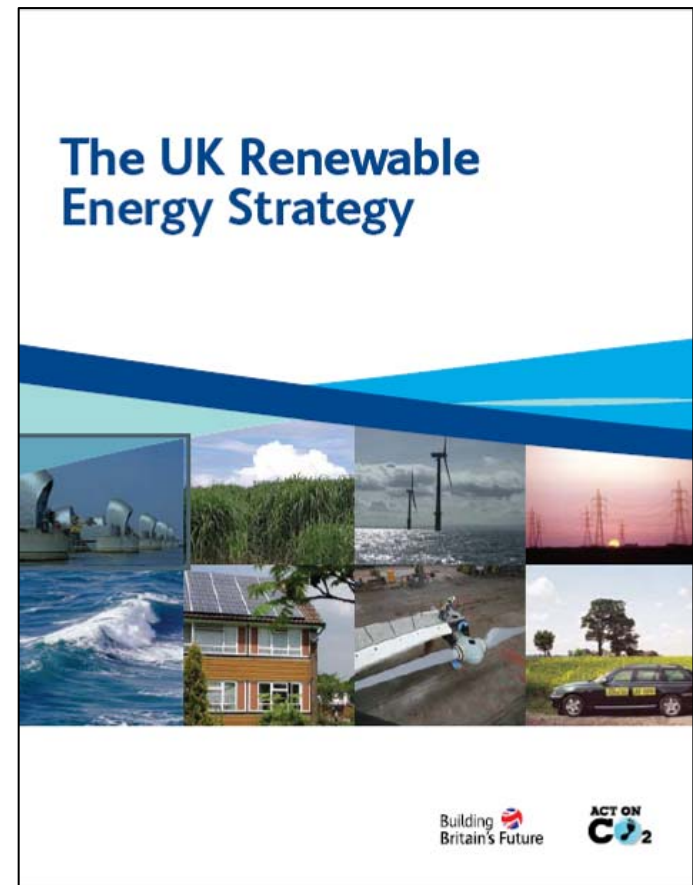
- 20% renewable energy 2020
- legally binding

UK's Response - 2020

- 30% electricity from renewables

Scotland's Response

- 50% renewable electricity by 2020



Current Situation

Installed Capacity (Megawatts) in Scotland

Status	All Renewables	Onshore Wind
Operating	3770	1975
Construction	690	570
Consented	3160	2860
In planning	3635	3530
Scoping	4570	2610

Half renewables installed = onshore wind
>90% renewables in planning/scoping = onshore wind

Onshore Wind will enable us to meet our targets

Barriers for a Renewable future

- Electricity grid not fit-for-purpose
- Skills gaps & supply chain difficulties
- Planning delays – backlog



- = *Reduces investor confidence in Scotland*
- > *Investors seek better market conditions in other countries*
- > *Knock-on effects for offshore & marine sectors*

What can be done?



Scottish Government PAN 45 Review

- Web based
- Allowing appropriate renewables development through effective use of the planning process
- Reaffirm planning's role in climate change
- Make planners more commercially aware of targets & financial drivers for renewables, so they can respond to priorities and surges in particular types of planning applications

Updating Local Spatial Frameworks

“Wind farms should be accommodated where the technology can operate efficiently and environmental and cumulative impacts can be addressed satisfactorily”

SPP and PAN 45 (Annex A)

- Identify Broad Areas of Search to make positive provision for wind farms
- Set broad criteria against which wind farms will be accommodated
- Each proposal has to be considered on its merits
- The existence of constraints should not in themselves lead to blanket restrictions

What can be done?

- Implement national policy locally
→ make positive provision for renewables
- Early and ongoing engagement with developers
→ better applications, faster decisions
- Target resources to support planners
- Maximise benefits: habitat management, local jobs, tourism opportunities

Huge prize for Scotland!

- Massive renewable energy resource
- Climate obligations and energy targets
- Mostly met by onshore wind
- Need speedy, consistent planning decisions
- Strong signals to secure investor confidence
- Renewable energy = economic recovery



Celebrating good practice



- Best Environmental Initiative Award
- Best Renewable Project Award
- Best Politician
- Best Community Initiative Award
- Among others... nomination details on:

www.greenenergyawards.co.uk

Thank you!!



Any Questions?

Photo: Ted Leeming