

Scotland's centre of expertise connecting climate change research and policy

A SWOT of the Net Zero and Climate Adaptation Economy of Scotland

Purpose, findings and application in the context of a Just Transition



Purpose

Purpose:

to support in policy making and identifying interventions needed now.

Objectives:

- Identify economic opportunities (and be clear on the nature of those opportunities) for Scotland in the context of the Net Zero and Climate Adaptation (NZ & CA) economy, both domestically and internationally.
- Provide comparability in assessment across a variety of sectors and products
- Pinpoint interdependencies and cross cutting themes

Results:

The desired result is an evidenced set of shared priorities.



Key Findings

- It's a complex and a new question
- Data availability, format and accessibility is poor
- It is requiring us to challenge existing / standard assumptions in the policy base
- Stakeholder engagement is vital



What makes up the Net Zero and Climate Adaptation economy?

UK Standard Industry Classification (SIC)*	NSET opportunity areas
Agriculture, forestry and fishing	Renewable energy
Mining and Quarrying Industries	The hydrogen economy
Manufacturing	The decarbonisation of transport Space
Electricity & Gas Supply	The "blue economy"
Water Supply & Waste Management	Sustainable farming & forestry
	Financial services and fintech
Construction	Industrial biotechnology
Distribution, Hotels and Catering	Emerging technologies such as
Transport, Storage and Communication	photonics and quantum technologies Digital technology
Business Services and Finance	Life sciences
Government, and Other Services	Food and drink innovation
Government, and other services	Creative industries and tourism

New and emerging

Climate Change Plan	
Electricity	
Buildings	
Transport	
Industry	
Waste and the circular economy	
Land use, land use change and forestry	
Agriculture	
Negative emissions technologies	
CESAP** priority areas	
Energy transition	
Construction	
Transport	
Manufacturing	
Agriculture and land use management	







Peer Review Group

Group Membership

- Academia
- Banking and Finance
- Enterprise Agencies
- Just Transition
 Commission
- SCA
- SCDI
- Scottish Enterprise
- Sectoral Representives
- SFT
- SNIFFER

Group Expectations

- Act as a strategic level sounding board
- Support wider engagement on the project outcomes past the end of the project.
- Support the direction of the analysis and the overall conclusions but not the detail.



Decision making process

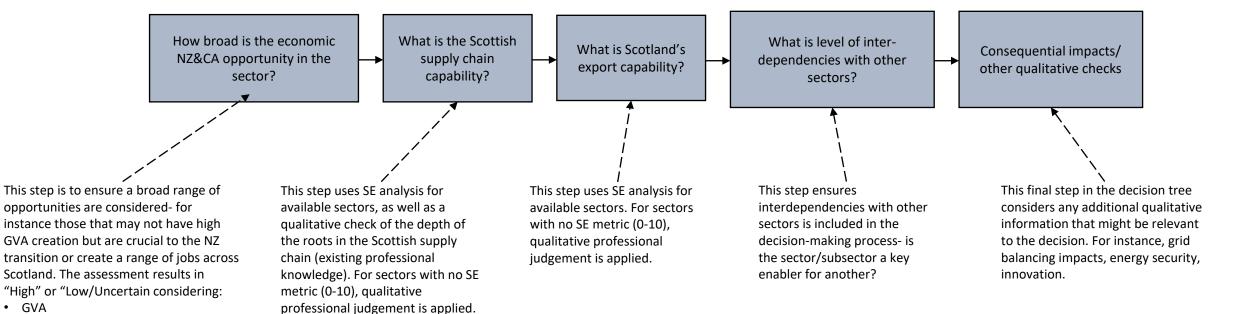
JobsTurnover

Salaries

Business count

Exports/imports

- data driven where possible
- includes qualitative information
- cannot be viewed as providing clear In or Out categorisation
- support and document the shortlisting process,
- includes professional judgement.





Initial selection of sectors for detailed analysis

- 1. Onshore Wind
- 2. Offshore Wind
- 3. Hydrogen Production, End Use, Storage and Distribution
- Low Carbon Vehicles Heavy Duty Vehicles
- Renewable Heat
- 6. Wave and Tidal
- 7. CCS/CCUS Storage, Transport and Utilisation

- 8. Forestry and land use
- 9. Professional Services Engineering, Planning and Env, and Digital and data
- 10. Low Carbon Synthetic Fuels (including SAF)
- 11. Sustainable building materials
- 12. Sustainable Financial Services

Cross cutting: Adaptation, Circular Economy,



Policy Implications for a Just Transition

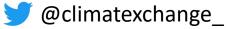
- Informing prioritisation and targeting of economic policy development for draft sectoral Just Transition Plans (including through co-design)
- Informing prioritisation and targeting for the Green
 Industrial Strategy key opportunity areas for Scotland and priority cross cutting opportunities
- Informing policy impact assessment and monitoring & evaluation – how can we baseline and compare potential impact





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