



UNIVERSITY of STRATHCLYDE  
**INTERNATIONAL PUBLIC  
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**CENTRE FOR ENERGY POLICY**

# **WORKSHOP: LINKING CGE AND TIMES MODELS**

**UNIVERSITY OF STRATHCLYDE, 9<sup>TH</sup> NOVEMBER  
2016**



**Centre on  
Innovation  
and Energy  
Demand**



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Welcome and introduction

Dr Grant Allan, Fraser of Allander Institute, University of Strathclyde



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# Welcome

- Now is a critical time for climate policy
- Directions being set, and major decisions in the coming years
  - Global: Paris Agreement
  - UK: Department of Business, Energy and Industrial Strategy;
  - Scotland: Energy Strategy, Climate Change Plan
- There is an important role(s) for energy modelling

# Background to today

- Fraser of Allander Institute has undertaking applied independent research for over 40 years
- Centre for Energy Policy brings focus on the design and delivery of policies relating to energy production, security of supply, sustainability.
- CEP and FAI collaborating on EPSRC project looking at industrial energy efficiency
- Additionally, two current joint ClimateXChange projects involving energy modelling and analysis;
  - Gioele Figus – consequences of household energy efficiency policies
  - Christian Calvillo – Energy efficiency using TIMES (with EEE)

# The research challenge

- Evidence-based policy requires analysis to support decision-making
- Whole host of objectives for energy policy: even beyond the “trilemma” (e.g. energy poverty, inclusive growth)
- Currently a huge variety of energy models used, with a subset extensively applied to policy
- Each model or model type can be useful, currently distinct, and with different strengths
- Can modellers respond to complex needs of policy better by considering “linking” of models?

# Structure of the day - am

1000	Overview of current macroeconomic modelling situation	Karen Turner, University of Strathclyde
1020	Why do we want to link CGE and TIMES?	Colin MacBean, Scottish Government
1100	<i>Break</i>	
1130	Experiences of linking CGE and TIMES models	Taran Fæhn, SSB Norway
		Brian Ó Gallachóir, University College Cork
		Matt Winning, University College London
1300	<i>Lunch</i>	



# Structure of the day - pm

1400	Group working sessions on linking TIMES and CGE frameworks	
	1. What could the common objectives be?	SSB Norway
	2. Current experiences of linking CGE and TIMES	UCC
	3. Practical example: Carbon Capture and Storage	
1500	Feedback from working groups	Workshop leaders
1530	Break	
1600	Summary and next steps	Karen Turner
1630	Close	

## Aims of the day

- Learn about practical uses of energy models in policy
- Understand more about role for different stakeholders in use of models
- Share knowledge on current integration of modelling systems, specifically TIMES and CGE



# Intended outputs of the day

- Two policy papers:
  - Scottish issues
  - International dimension
- Follow-up at end of EPSRC project workshop in February 2017