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# How can we better understand building stock models?

**Building stock energy models** (BSMs) offer a tool to assess the energy demand and environmental impact of building stocks, and can demonstrate and evaluate pathways for reducing their energy demand and respective GHG emissions.

# The problem:

The heterogeneity of BSMs, together with a lack of consistency in the description and reporting of the models often hinders the understanding of the model, impeding an accurate interpretation and/or comparison of the results.

### The proposal:

RCUK Centre for Energy Epidemiology

Annex 70 have developed reporting guideline in order to improve reporting practices in the field of building stock energy modelling.



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Торіс	Subtopic	Торіс	Subtopic
Overview	Aim and scope	Quality assurance	Calibration
	Modelling ap- proach		Validation
	System boundary		Limitations
	Spatio-temporal resolution		Uncertainty
Model Components	Building stock		Sensitivity
	People Environment	Additional	
	Energy	information	Implementation Access
	Costs Dynamics		Funding and contributors
	Other aspects		Areas of application
Input and outputs	Data sources		Key references
	Data processing		
	Key assumptions		





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#### UCL Energy Institute How can we better identify building stock data? **Registry for Building Stock and** ii iercdevsrv.tyndall.ie 00+ EBC 🔊 Energy Data provides a tool for EBC 🔊 Data Registry Model Registry ρ Login identifying and knowing what data is available around the N 0 0 0 0 3d district model of Moabit-West world among Annex 70 3D building models of the district Moabit-West in Berlin, Germany. The model is stored in the CityGML file format. na Soon! 0 member countries. Nov 12 16 0 0 The data registry contains DCC Residential Energy per each small area This data was used to generate the graphs in Codemas analysis of the energy demand of Dublin Cit resulting in a range of evidence-based energy demand maps for effective planning. The report that Codema published can be found in the link attached to this dataset. nd of Dublin City information on over 1000 datasets and will be launched in 2022. NO 0 0 0 0 Electricity and Gas Prices Electricity and gas prices and taxes for industrial and domestic consu mers. Real a rage electricity and gas prices for business and domestic consumers classified by consumption band. Comparative figures are provided for the EU. 0 0 0 0 0 Energy Balance The imports, production, primary supply, transformation input and output, and consumption (by industry, transport, residential, and commercial/public services) of each type of fuel, in ktoe (kilo tonne oil equivalent). RCUK Centre for Energy Epidemiology

