

To pdf - E3ME-FTT

From IAMC-Documentation

Reference card - E3ME-FTT

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The reference card is a clearly defined description of model features. The numerous options have been organized into a limited amount of default and model specific (non default) options. In addition some features are described by a short clarifying text.

Legend:

- not implemented**
- implemented**
- implemented (not default option)**

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 **Note:** The documentation of E3ME-FTT is 'in preparation' and is not yet 'published'!

About

Name and version E3ME-FTT 1.0

Institution and users xxxx (XXX), United Kingdom, .

Documentation E3ME-FTT documentation consists of a referencecard and detailed model documentation

Model scope and methods

Model documentation: Model scope and methods - E3ME-FTT

Temporal dimension Base year:, time steps:, horizon:

Spatial dimension Number of regions:

Socio economic drivers

Model documentation: Socio-economic drivers - E3ME-FTT

- | | | |
|--------------------------|--|---|
| Exogenous drivers | <input type="checkbox"/> Exogenous GDP | <input type="checkbox"/> Energy Technical progress |
| | <input type="checkbox"/> Total Factor Productivity | <input type="checkbox"/> Materials Technical progress |
| | <input type="checkbox"/> Labour Productivity | <input type="checkbox"/> GDP per capita |
| | <input type="checkbox"/> Capital Technical progress | |
| Development | <input type="checkbox"/> GDP per capita | <input type="checkbox"/> Education level |
| | <input type="checkbox"/> Income distribution in a region | <input type="checkbox"/> Labour participation rate |
| | <input type="checkbox"/> Urbanisation rate | |

Macro economy

Model documentation: Macro-economy - E3ME-FTT

- | | | |
|-------------------------|--------------------------------------|------------------------------------|
| Economic sectors | <input type="checkbox"/> Agriculture | <input type="checkbox"/> Energy |
| | <input type="checkbox"/> Industry | <input type="checkbox"/> Transport |

Cost measures	<input type="checkbox"/> Services	<input type="checkbox"/> GDP loss	<input type="checkbox"/> Area under MAC
		<input type="checkbox"/> Welfare loss	<input type="checkbox"/> Energy system costs
		<input type="checkbox"/> Consumption loss	
Trade	<input type="checkbox"/> Coal	<input type="checkbox"/> Bioenergy crops	
	<input type="checkbox"/> Oil	<input type="checkbox"/> Food crops	
	<input type="checkbox"/> Gas	<input type="checkbox"/> Capital	
	<input type="checkbox"/> Uranium	<input type="checkbox"/> Emissions permits	
	<input type="checkbox"/> Electricity	<input type="checkbox"/> Non-energy goods	

Energy

Model documentation: Energy - E3ME-FTT

Resource use	<input type="checkbox"/> Coal	<input type="checkbox"/> Uranium
	<input type="checkbox"/> Oil	<input type="checkbox"/> Biomass
	<input type="checkbox"/> Gas	
Electricity technologies	<input type="checkbox"/> Coal	<input type="checkbox"/> Biomass
	<input type="checkbox"/> Gas	<input type="checkbox"/> Wind
	<input type="checkbox"/> Oil	<input type="checkbox"/> Solar PV
	<input type="checkbox"/> Nuclear	<input type="checkbox"/> CCS
Conversion technologies	<input type="checkbox"/> CHP	<input type="checkbox"/> Fuel to gas
	<input type="checkbox"/> Heat pumps	<input type="checkbox"/> Fuel to liquid
	<input type="checkbox"/> Hydrogen	
Grid and infrastructure	<input type="checkbox"/> Electricity	<input type="checkbox"/> CO2
	<input type="checkbox"/> Gas	<input type="checkbox"/> H2
	<input type="checkbox"/> Heat	
Energy technology substitution	<input type="checkbox"/> Discrete technology choices	<input type="checkbox"/> System integration constraints
	<input type="checkbox"/> Expansion and decline constraints	
Energy service sectors	<input type="checkbox"/> Transportation	<input type="checkbox"/> Residential and commercial
	<input type="checkbox"/> Industry	

Land-use

Model documentation: Land-use - E3ME-FTT; Non-climate sustainability dimension - E3ME-FTT

Other resources

Model documentation: Non-climate sustainability dimension - E3ME-FTT

Other resources	<input type="checkbox"/> Water	<input type="checkbox"/> Cement
	<input type="checkbox"/> Metals	

Emissions and climate

Model documentation: Emissions - E3ME-FTT; Climate - E3ME-FTT

Green house gasses	<input type="checkbox"/> CO2	<input type="checkbox"/> HFCs
	<input type="checkbox"/> CH4	<input type="checkbox"/> CFCs
	<input type="checkbox"/> N2O	<input type="checkbox"/> SF6
Pollutants	<input type="checkbox"/> NOx	<input type="checkbox"/> OC
	<input type="checkbox"/> SOx	<input type="checkbox"/> Ozone
	<input type="checkbox"/> BC	
Climate indicators	<input type="checkbox"/> CO2e concentration (ppm)	<input type="checkbox"/> Temperature change (°C)
	<input type="checkbox"/> Radiative Forcing (W/m ²)	<input type="checkbox"/> Climate damages \$ or equivalent

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