



Packages and tools to build scripted workflows between models and the openENTRANCE platform



Daniel Huppmann on behalf of the openENTRANCE Consortium

Focus Group 5 – Energy Modelling Platform for Europe (EMP-E) 2020



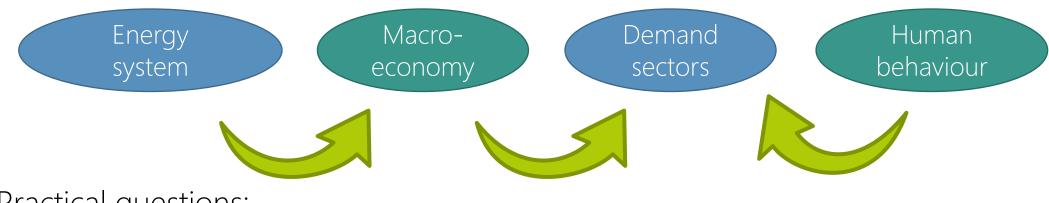
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Aim: a modelling platform for European energy transition

The openENTRANCE projects aims to integrate a large ensemble of models...



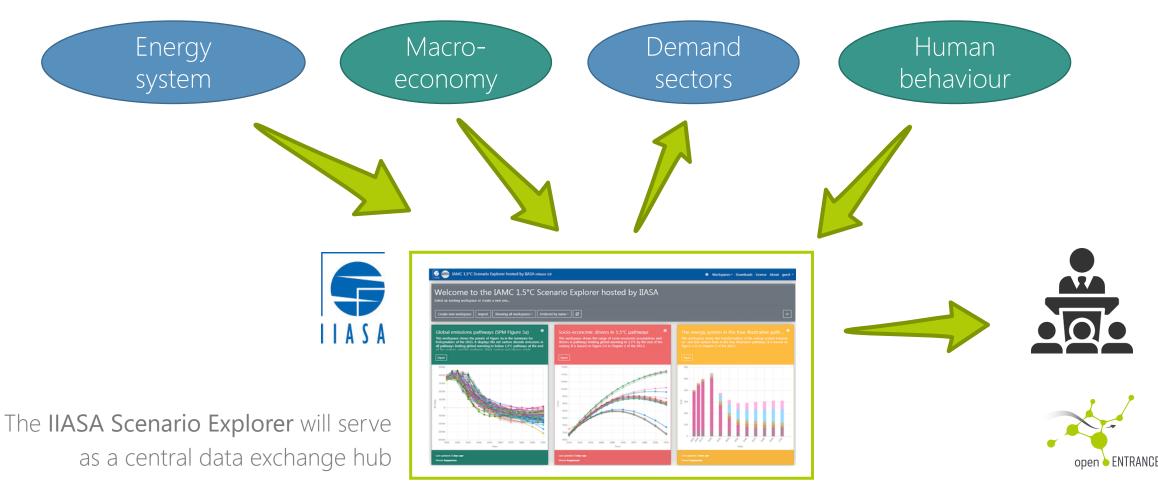
Practical questions:

- How to get your scenario results to other teams?
- What to do with results from other scenarios (models)?
- How to disseminate results to policymakers, stakeholders and researchers?



Aim: a modelling platform for European energy transition

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1. A common data format based on the IAMC template

	A	В	С	D	E	F	G	Н	
1	Model	Scenario	Region	Variable	Unit	2015	2020	2025	
2	GENeSYS-MOD	Societal Commitment	Europe	Primary Energy	EJ/y	69.9	65.7		

2. An open nomenclature of definitions, regions, (naming of) sectors

Implement as collaborative process on GitHub github.com/openENTRANCE/nomenclature

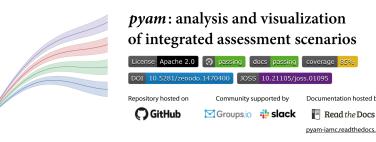
 Tools for automated workflows
 Aggregation, downscaling, unit conversion, validation, visualization & plotting library, ...
 More information: <u>pyam-iamc.readthedocs.io</u>

4



Final Energy:

description: Total final energy consumption
 by all end-use sectors and all fuels,
 excluding transmission/distribution losses
unit: EJ/yr





Thank you for your attention!



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5

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