

CHP/DHC Collaborative meeting: Industry-related activities

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Energy Agency 1974-2014 ETP Industry-related activities 2016/2017

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ETP Industry model development activities

Support the energy system model integration strategy

IEA energy statistics improvement activities

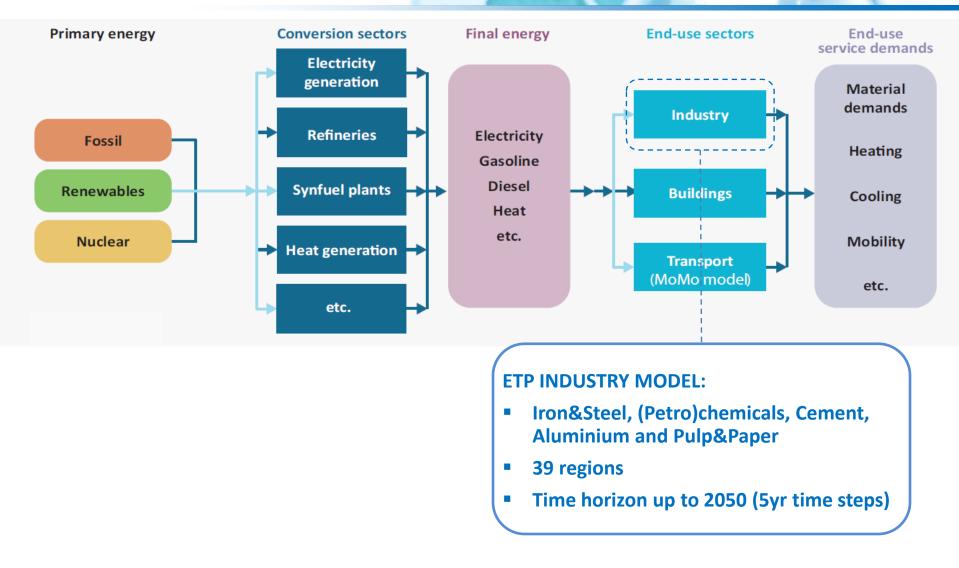
- ✓ CHP performance
- Petrochemicals feedstocks energy reporting

Analytical streams

- ✓ Opportunities and challenges of going beyond 2DS in Industry
- ✓ Opportunities for wider use of renewable energy in Industry
- ✓ Opportunities for a Low-carbon technology roadmap for the Iron & Steel sector

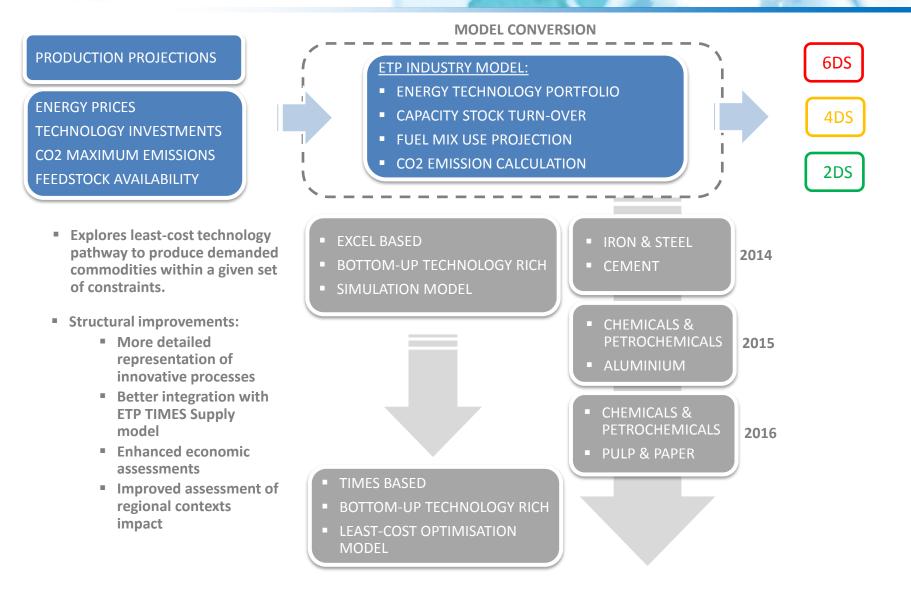
iea International Energy Agency 1974-2014 ETP Energy System Model

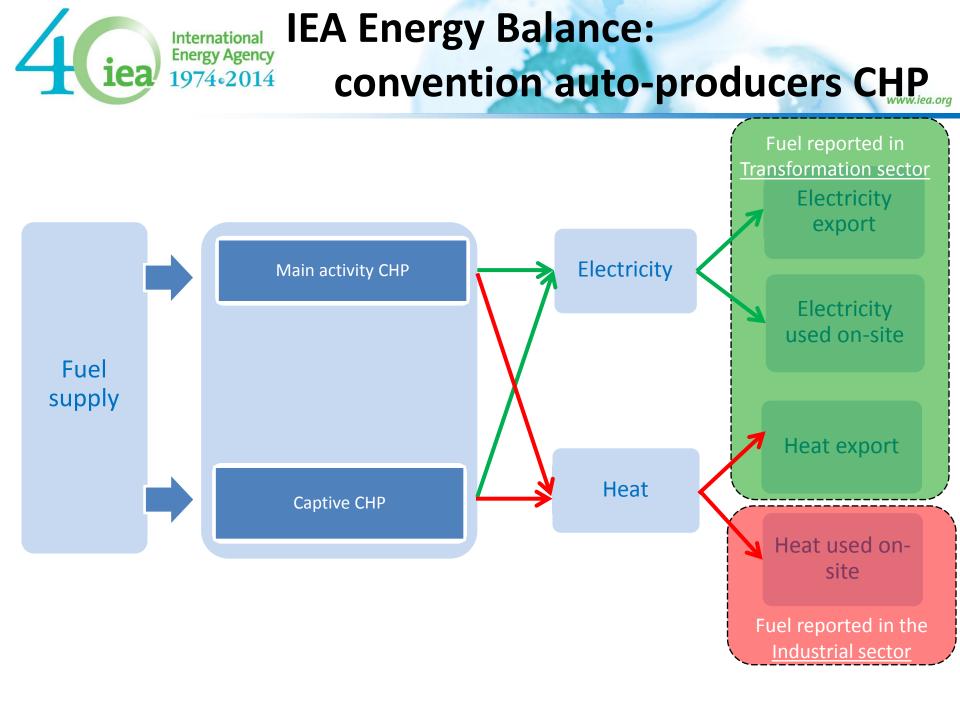
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iea International Energy Agency 1974-2014 ETP Industry Model conversion process

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The data challenge: auto-producers CHP

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✓ No visibility from IEA stats on actual overall energy efficiency

- Limited tracking of industrial CHP performance
- Energy modelling needs to rely on assumptions on heat/power ratios
- ✓ Difficult to analyse the full scope of benefits of CHP technologies in scenarios
- Discussions with governments to review IEA statistical questionnaire 2015/2016
 - ✓ AIM: Total heat output from auto-producers CHP to be singled out
 - RESULT dependent on ability to meet this requirement from governments and reporting bodies



International Energy Agency 1974-2014 How could you contribute?

Modelling integration development activities & analytical streams

- Technology investments information for CHP and IEH recovery
- Update on best available related technologies (techno-economic performance): CHP, IEH recovery, heat pumps
- ✓ Synergetic examples of CHP/IEH recovery with the use of renewable energy sources
- Tools to comprehensively capture the sustainability benefits of CHP/IEH: successful regulatory mechanisms, innovative business models; and preventing barriers

IEA energy statistics improvement activities

- ✓ National level statistics covering total heat output from auto-producers CHP
- Engaging with countries to support this process



Thanks!

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