

Renewables Energy Statistics at the IEA

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Renewables Heating and Cooling - from RD&D to Deployment

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Overview



- Objective
- Energy Commodities
- IEA's Renewables and Wastes Questionnaire
- On-going challenges
- On-going efforts for improvements



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Objectives

- Highlight the importance of sound renewables statistics as part of countries energy balance;
- Overview of challenges and way forward.



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Guided by a simple rule...

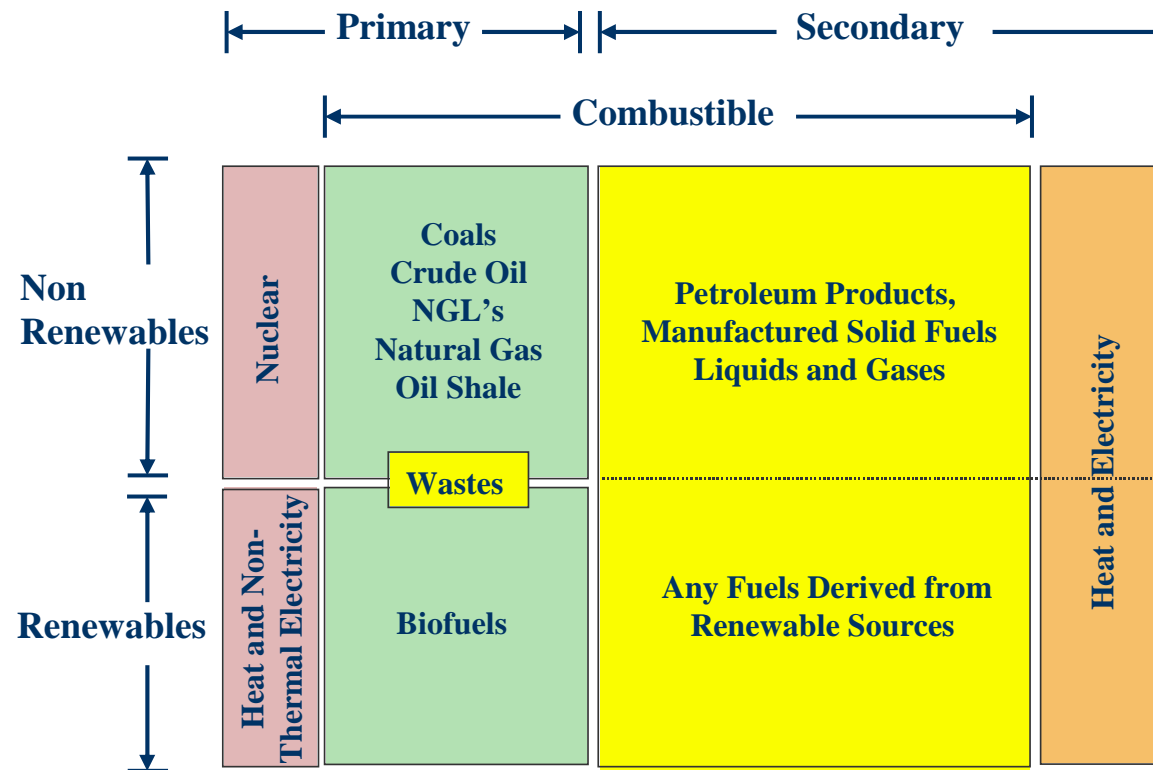
“To measure is to know.”

Lord Kelvin



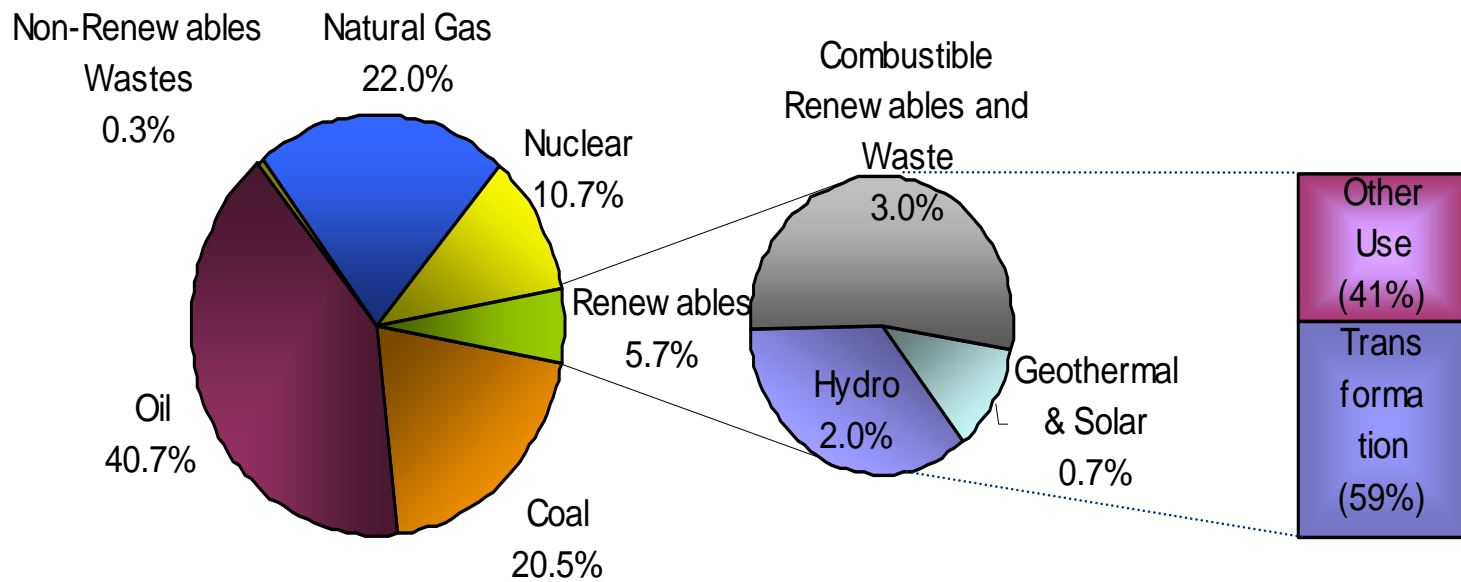
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Energy Commodities: Non-Renewables vs. Renewables



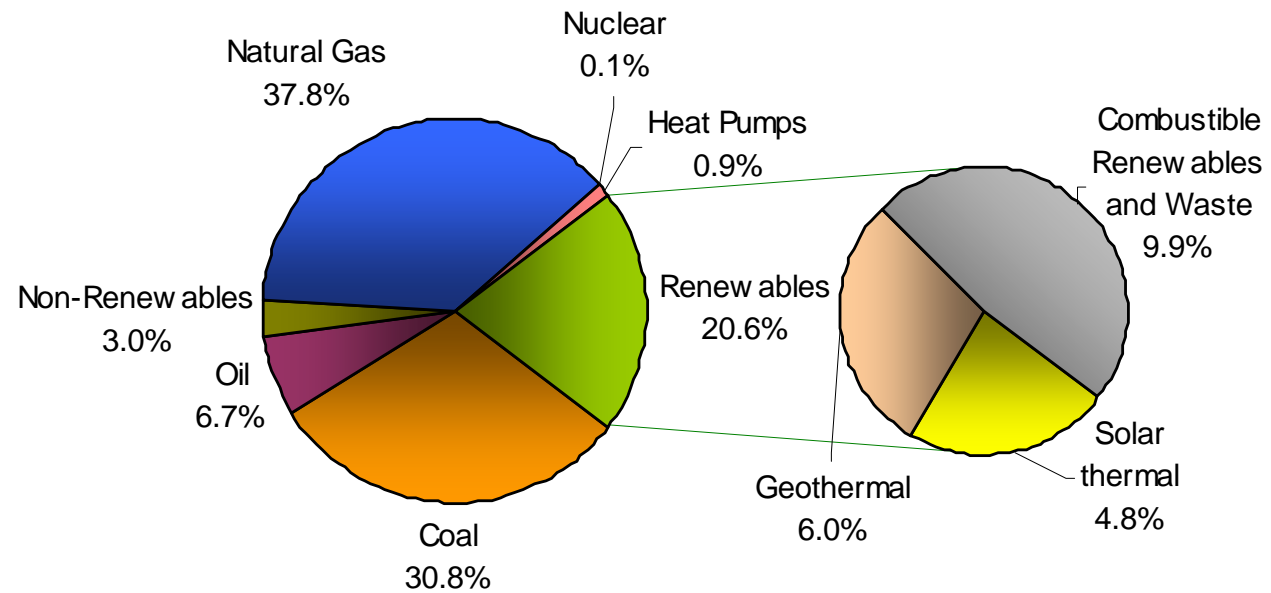
Energy Commodities: OECD – 2003

Fuel Shares of Total Primary Energy Supply

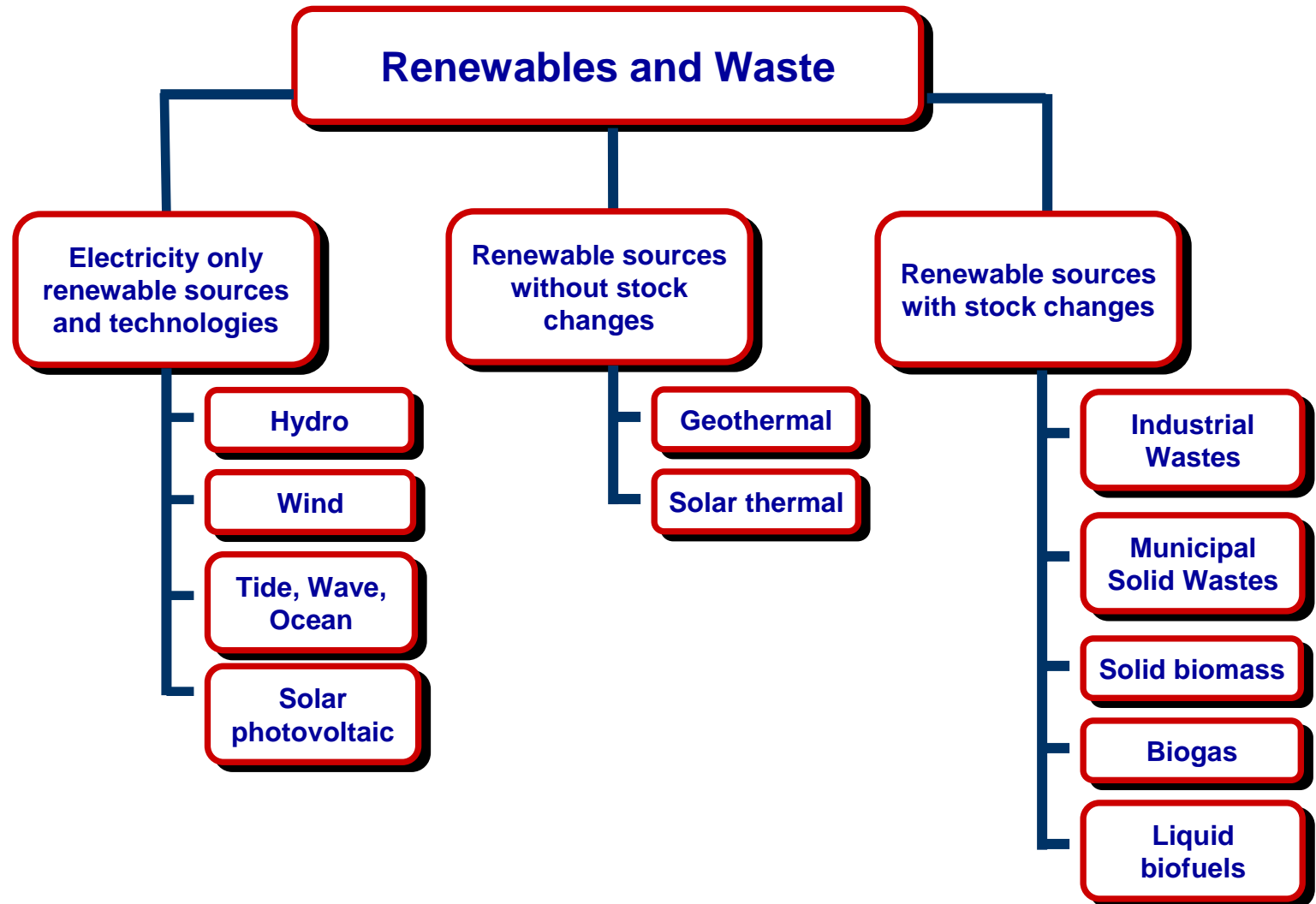


Energy Commodities: OECD – 2003

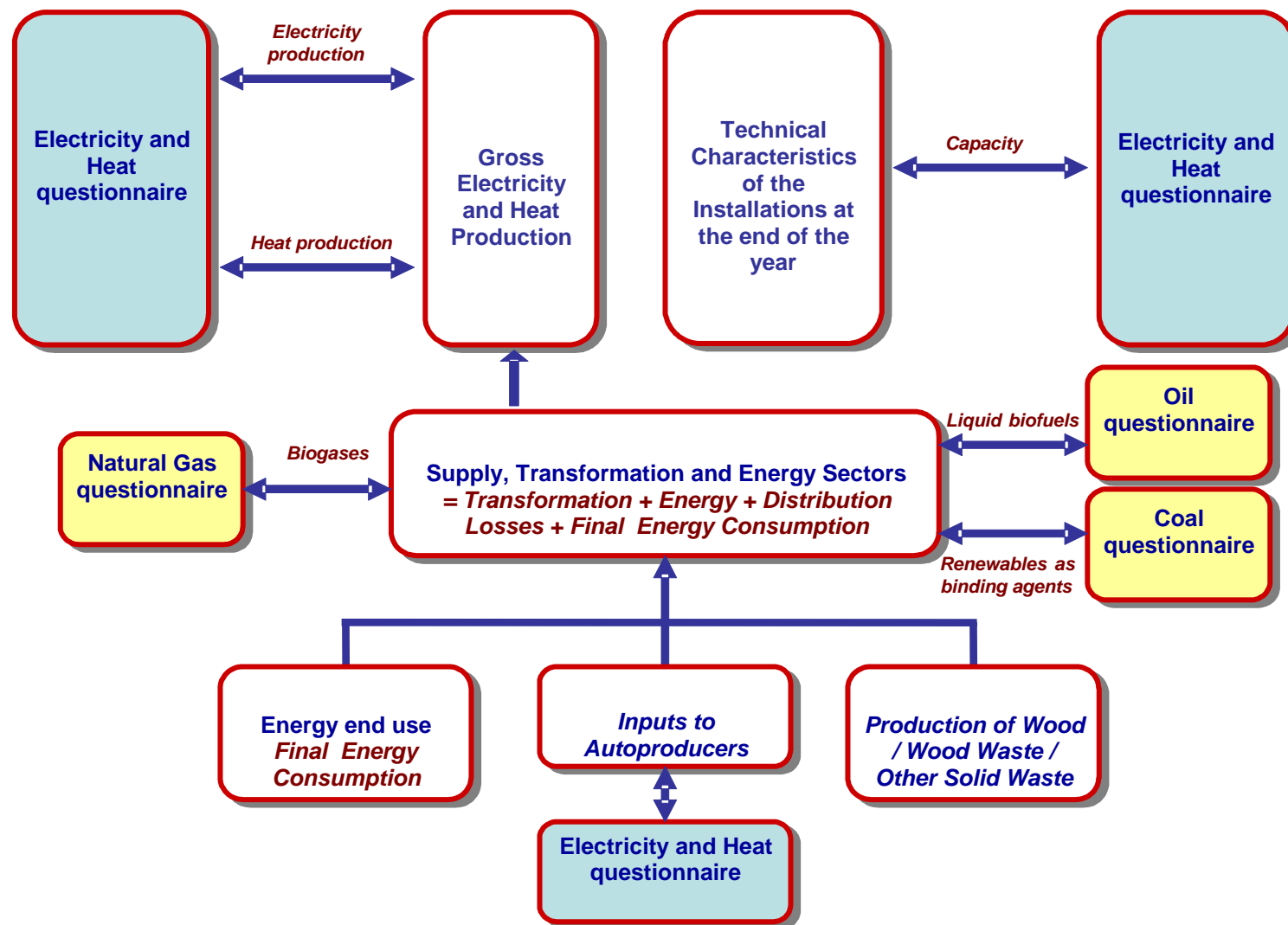
Renewables Share of Heat Production



Renewables and Wastes Questionnaire: Classification Approach



Renewables and Wastes Questionnaire



On going Challenges:

- Data needs vs. Resources vs. Budget
- Scattered production/consumption data



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On going Challenges:

Data needs vs. Resources vs. Budget

- Data needs are often known,
- Resources are scarce,
- Competing budget priorities.



On-going efforts for improvements: Data needs vs. Resources vs. Budget

- Solid data collection framework for the proper monitoring and reporting of the renewable energy market:
 - provides a foundation for policy and market analysis;
 - which in turn can better inform the policy decision process;
 - therefore help policy makers select policy instruments best suited to meet domestic and international policy objectives.





**On going efforts for improvements:
Data needs vs. Resources vs. Budget**

*“If you cannot measure it,
you cannot improve it.”*

Lord Kelvin



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On going Challenges:

Scattered production/consumption data

- Some renewables and waste energy flows through an energy distribution systems;
- Some renewables and waste energy consist of multitude of individual installations and small players for which there is no production/consumption measurement.



On-going efforts for improvements: Scattered production/consumption data

- Building bridges to quantification work outside the main data stream;
- Bring into the data loop those that knows about the specificities of this market;
- and that can help in the development of estimation for the reporting of non-measured production and consumption.





**On-going efforts for improvements:
Scattered production/consumption data**

“The more you understand what is wrong with a figure, the more valuable that figure becomes.”

Lord Kelvin



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The Floor is now yours
Thank You