

Renewables and Wastes Energy Statistics at IEA

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Objective

Overview of IEA's data collection activities



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Guided by a simple rule...

“To measure is to know.”

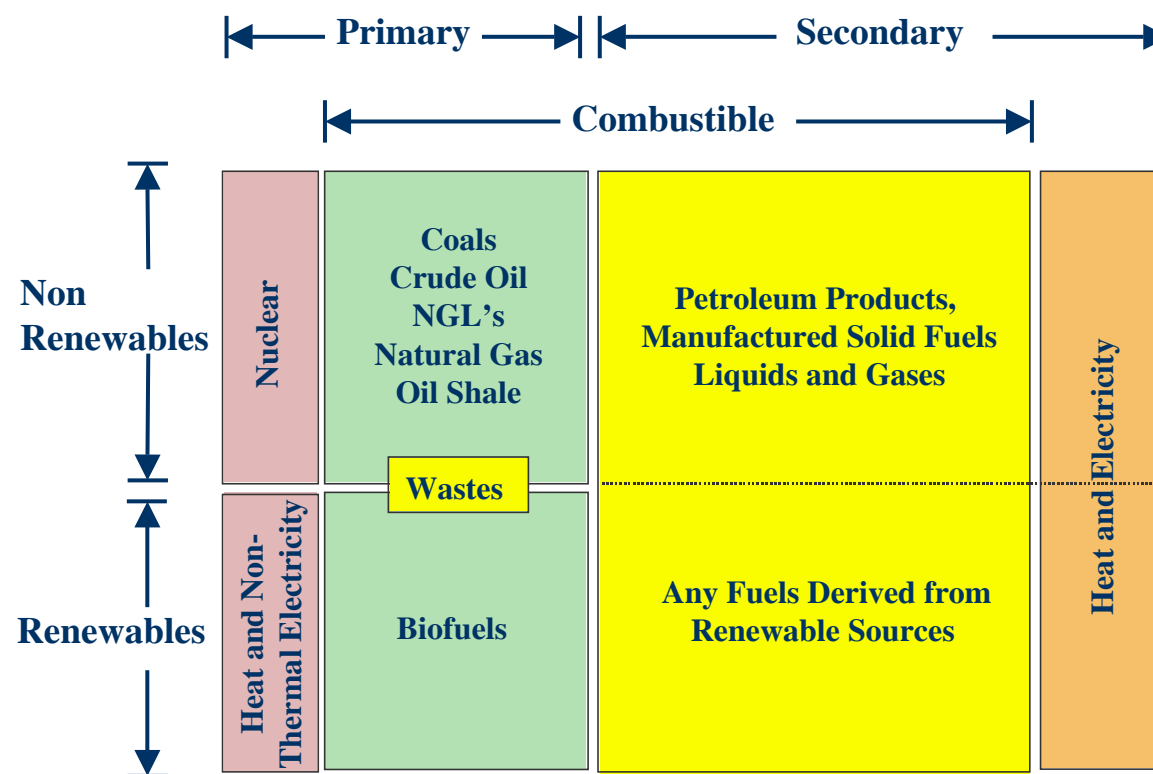
Lord Kelvin



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Energy Commodities:

Non-Renewables vs. Renewables

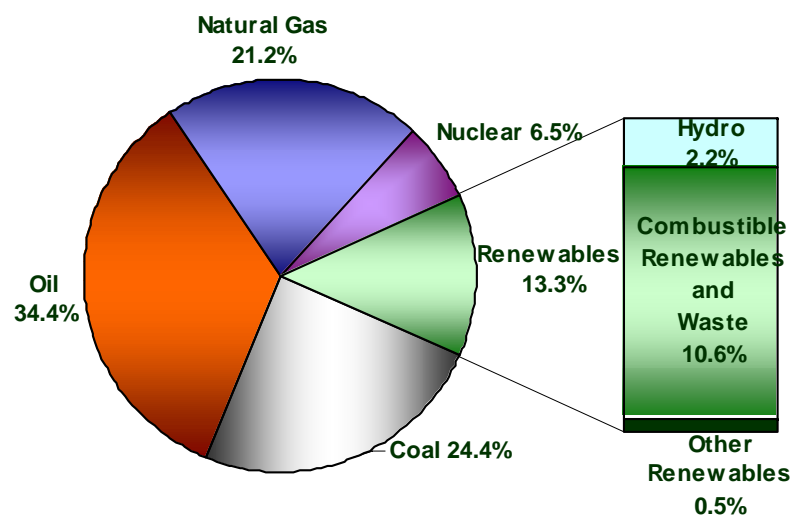


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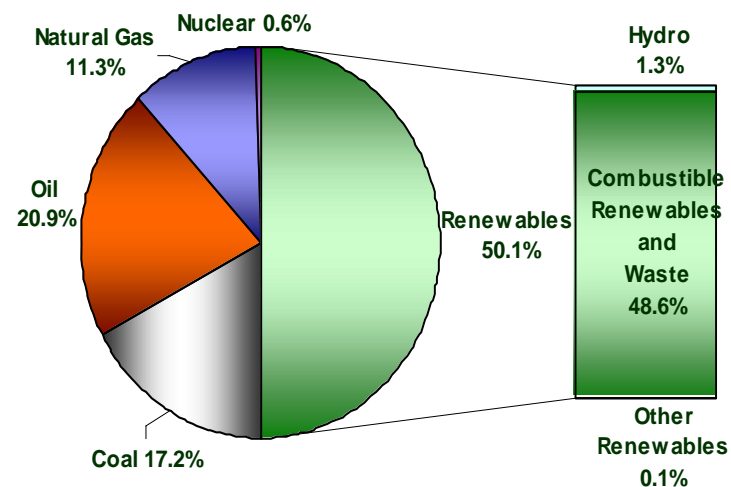
Energy Commodities:

Shares of Total Primary Energy Supply - 2003

World

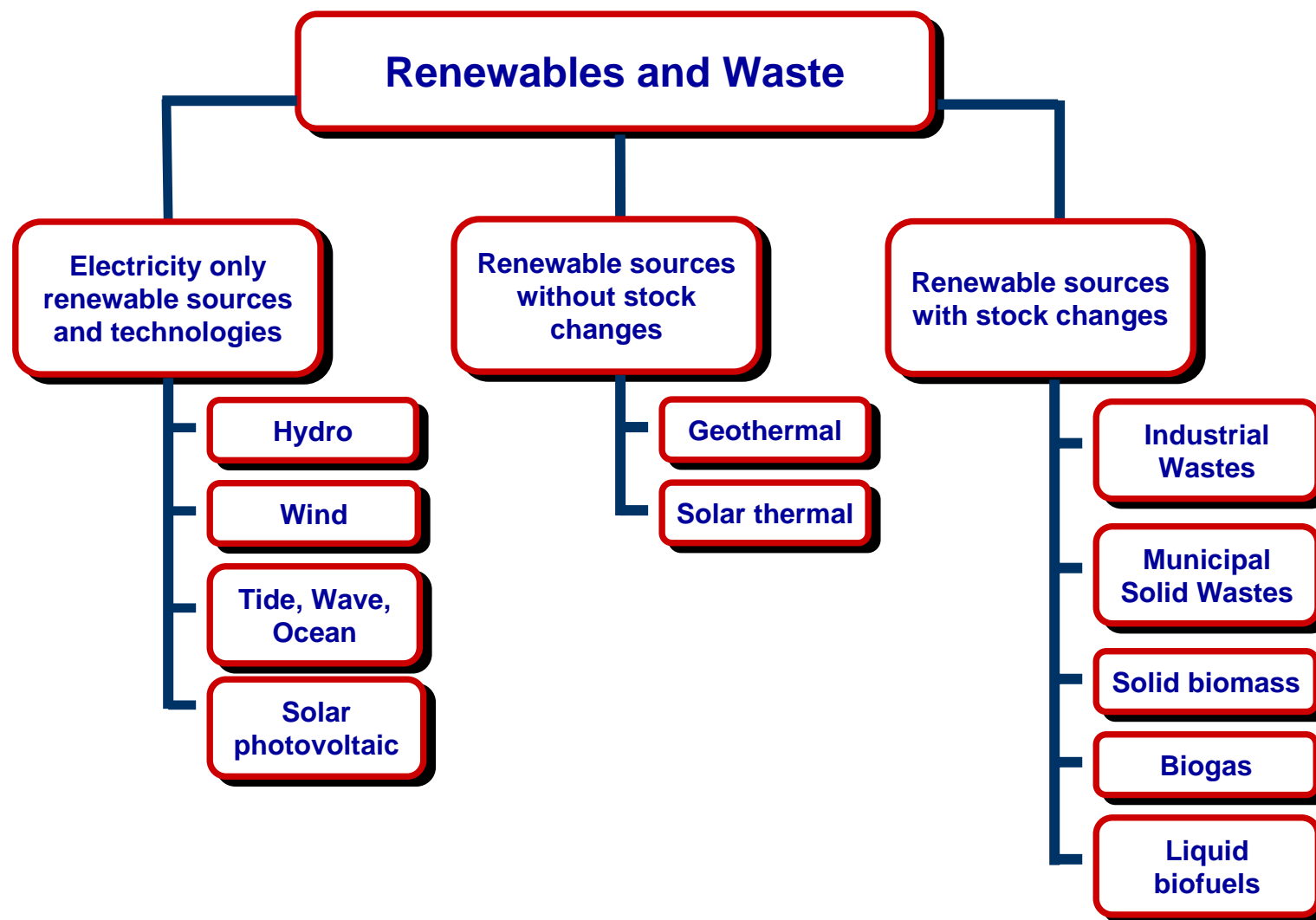


Africa



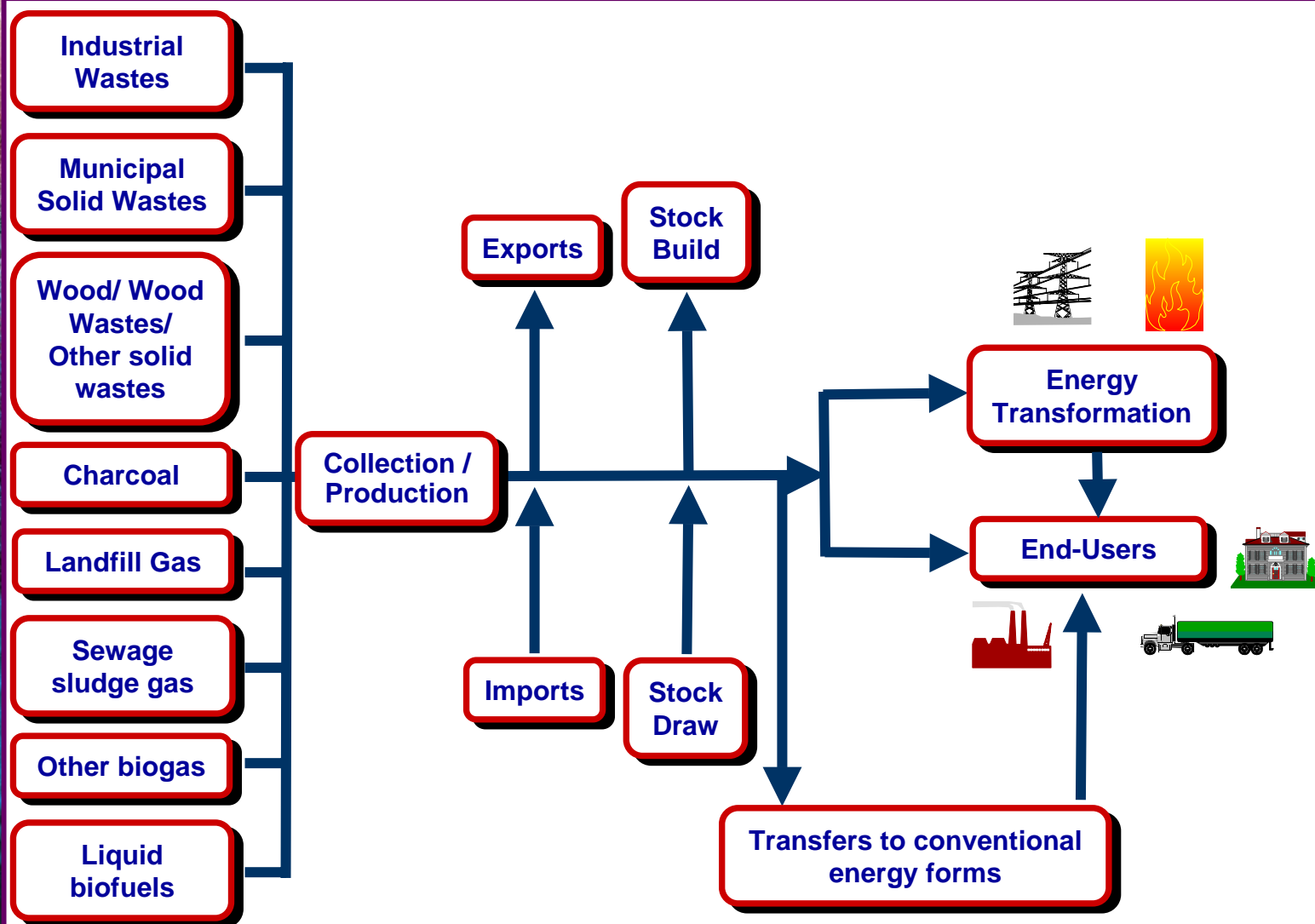
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Renewables and Wastes Questionnaire: Classification Approach

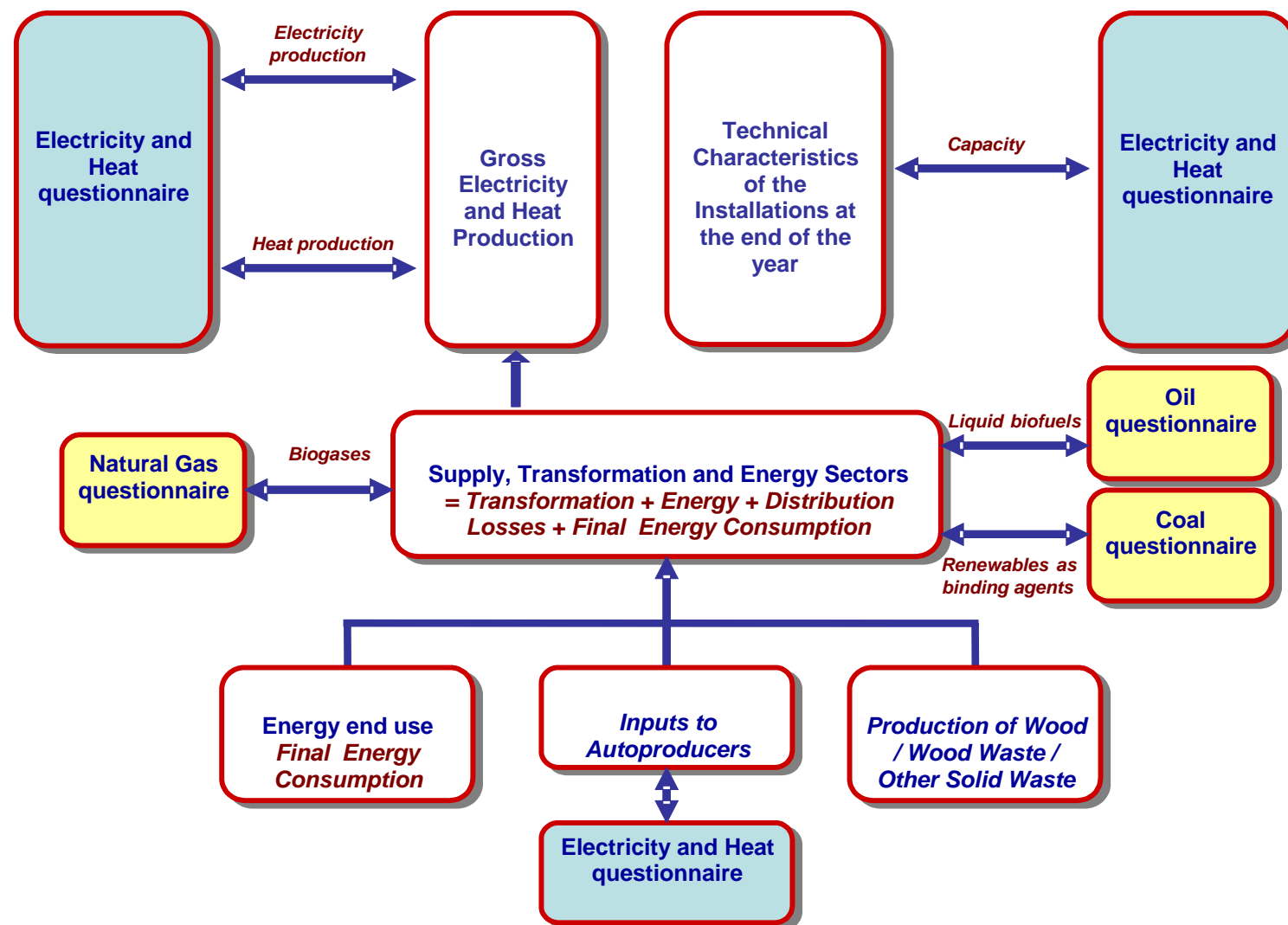


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Renewables and Wastes Questionnaire: With Stock Changes



Renewables and Wastes Questionnaire



Renewables and Wastes Questionnaire:

Definition

Solid Biomass

Covers organic, non-fossil material of biological origin which may be used as fuel for heat production or electricity generation. It comprises:

- **Charcoal:** covers the solid residue of the destructive distillation and pyrolysis of wood and other vegetal material.
- **Wood, Wood Waste, Other Solid Waste:** Covers purpose-grown energy crops (poplar, willow etc.), a multitude of woody materials generated by an industrial process (wood/paper industry in particular) or provided directly by forestry and agriculture (firewood, wood chips, bark, sawdust, shavings, chips, black liquor etc.) as well as wastes such as straw, rice husks, nut shells, poultry litter, crushed grape dregs etc. Combustion is the preferred technology for these solid wastes. The quantity of fuel used should be reported on a **net** calorific value basis



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Renewables and Wastes Questionnaire: Breakdown of Production

Wood, Wood Waste, Other Solid Waste, of which:

- Wood
- Other vegetable materials and waste(including straw, sawdust, wood chips...)
 - of which: Wood waste
- Black liquor
- Other (specify)



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On going Challenges:

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



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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.



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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