Woodfuel in a Global Change Context

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Woodfuel: a global demand





Use: electricity

200 Mwe = 450 000 households

1.2 Mt of woodchips/agricultural waste

Origin: natural forest, fields

Within radius : 150 km Retail price : 35 €/Mwh Use: cooking

400 000 households

1.1 Mt of firewood/charcoal

Origin: savannas, fields, fallows

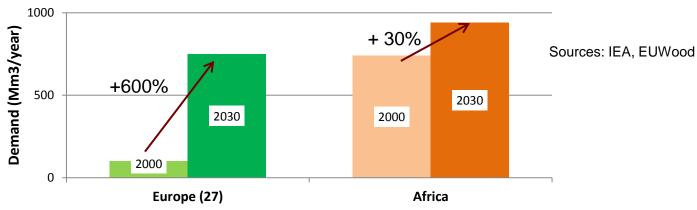
Within radius : 150 km Retail price : 30 €/Mwh



Woodfuel: a global demand



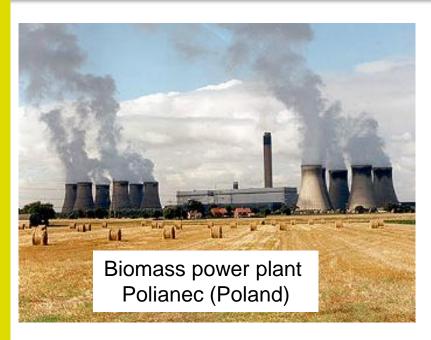




Current world demand for Fuelwood = 2 500 Mm3/year



Woodfuel: a global demand





2 different contexts, but similar concerns

Risk of shortages, need for new resources, sustainability, profitability...



... despite opposite images

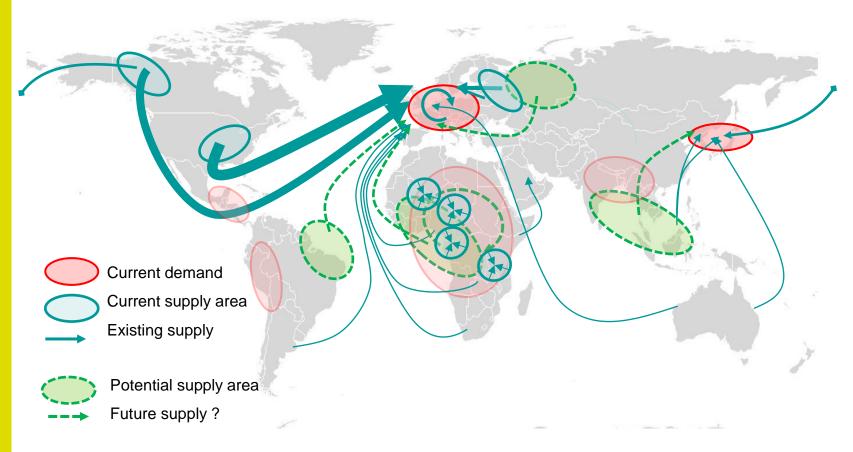


Rural employment/development GHG reduction Technological innovation Poverty
Pollution, respiratory diseases
Deforestation



Woodfuel: a global trade

trades of woodchips, pellets and charcoal



Sources: Irena 2011, Gdf-Suez 2015,

Pellcert 2012, authors 2015



Times are changing

Emergence of new stakeholders



Times are changing

Discourses are changing

- Woodfuel = profitable, modern, job reservoir, source of innovation
- Woodfuel = central to diversify energy portfolio

A window of opportunities for...

- energy plantation, modernization of traditional supply chains
- more transparency and sustainability standards
- new markets in Africa (InterAfrica, Europe, Asia)

But ...

- Various woodfuel stories and experiences
- Need for data on consumption, flux, preferences
- Need for innovative sustainable production models

