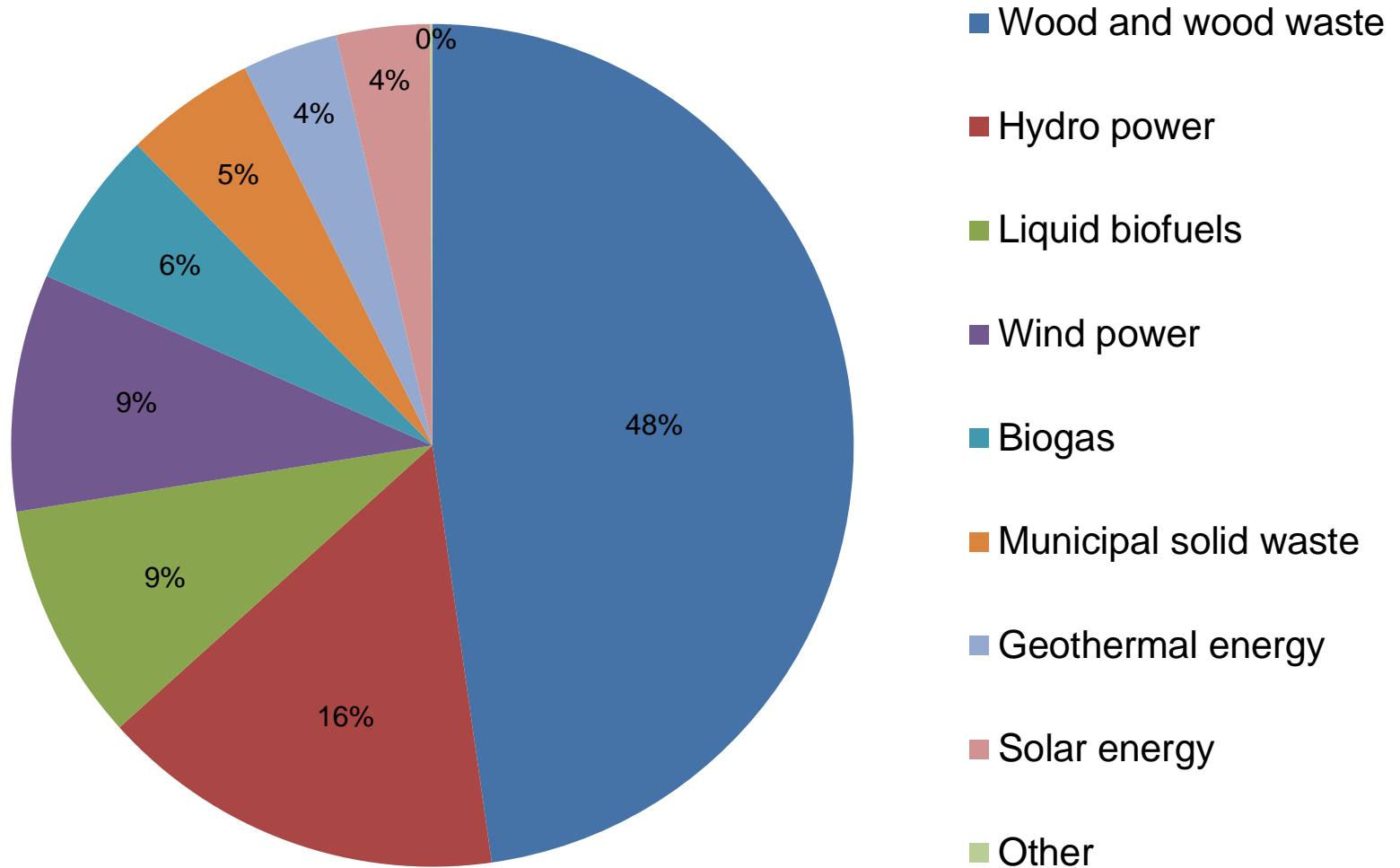


# Markets for woody biomass and wood-based energy around the Baltic Sea Region

- EFINORD coordinated project: 2013–2015
- Collaborating partners: METLA, SLU, UMB, Latvia University of Agriculture, Forest Research Institute in Poland, Aleksandras Stulginskis University, Lithuania, University of Hamburg, and the working group for renewable energy at NCM

Partners in Denmark, Estonia, and Russia not determined yet

# Composition of renewable energy in European Union, 2011 (Data source: Eurostat)



# Bioenergy markets and policies in EU

- the Renewable Energy Directive of 2009 is driving the demand for biomass on a steep upward curve
- the new European Commission proposal for 2030 climate and energy goals for a competitive, secure and low-carbon EU economy = strong commitment to develop a long term policy framework
- market forces and policy decisions, two interconnected driving factors

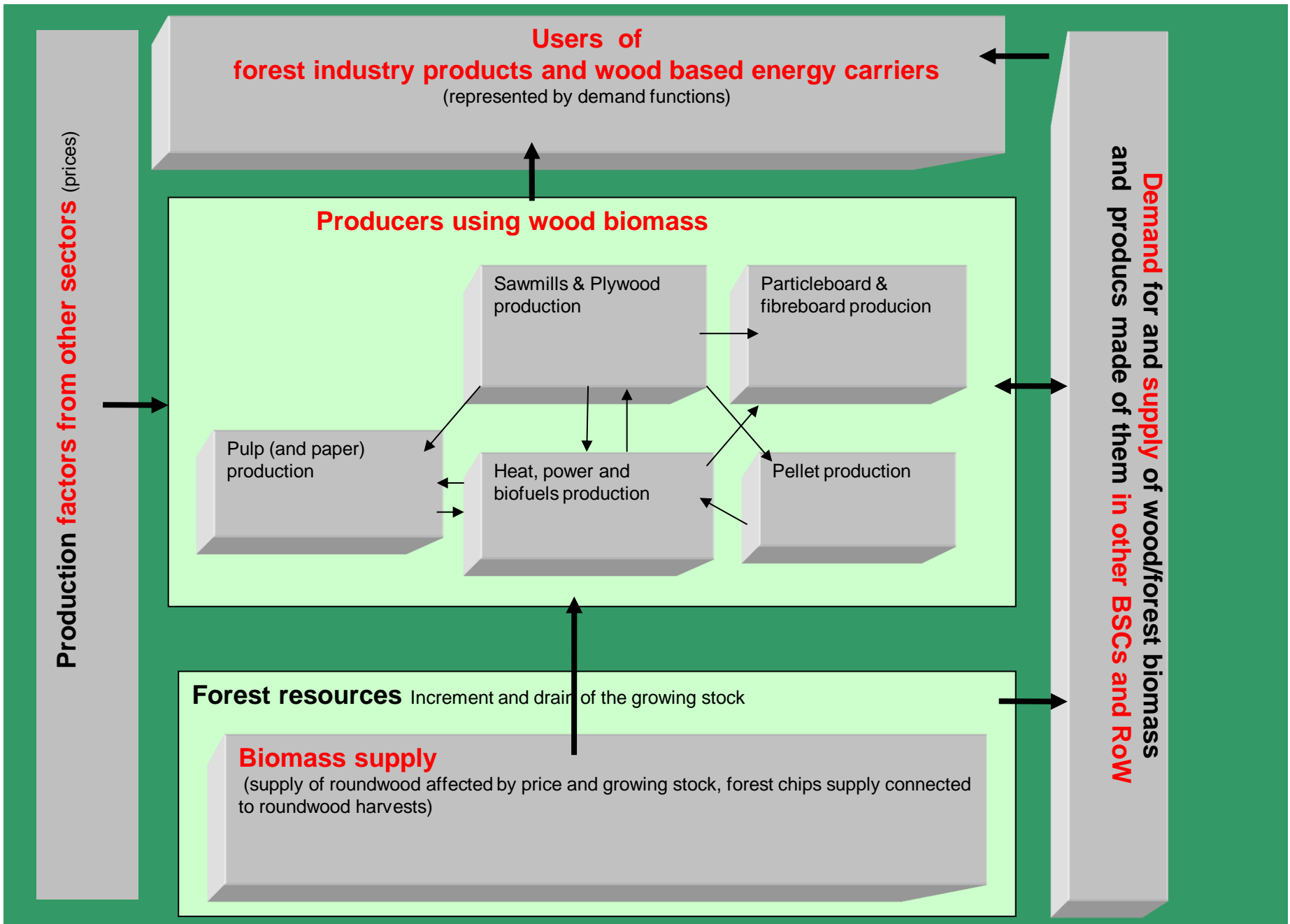
# Wood based bioenergy in EU (2011)

- Fuel/fire wood from forests 49%
- Solid by-products from forest industry 17%
- Black liquor 15%
- Other wood and wood waste  
(e.g. recycled wood) 20%

# Questions to be examined

- How will the markets for renewable energy develop in the Baltic Sea countries (BSCs) ?
- Supply, demand, price and trade flows for wood biomass under alternative policies and future scenarios
- The competition for wood biomass across the BSCs, and among alternative uses (energy carriers, raw material forest industry)
- The resulting future role of forest biomass in the energy supply in the BSCs?

# Structure of the *proto* model in one Baltic Sea country



# Some ideas about the model for the Baltic Sea region



# Collaboration among involved partners

- METLA, SLU, UMB (responsible for model development)
- Partners in Latvia, Poland, Lithuania, Germany (country specific studies)
- Above partners jointly responsible for developing platform for data collection
- The working group for renewable energy at Nordic Council of Ministers (development of policy scenarios)



# The seed money from Nordic Council of Ministers

- A prototype model is under test at UMB
- All the collaborating partners to sit together to
  - assess the prototype model
  - review the specific case studies to be run in different countries
  - initiate the formation of a common platform for data collection
- Thereafter: **case studies in different countries** and a number of reports, 1-2 more meeting(s), a comprehensive research proposal, **a full scale comprehensive model**