



Goal and Scope of COST Action E31

„Management of Recovered Wood“

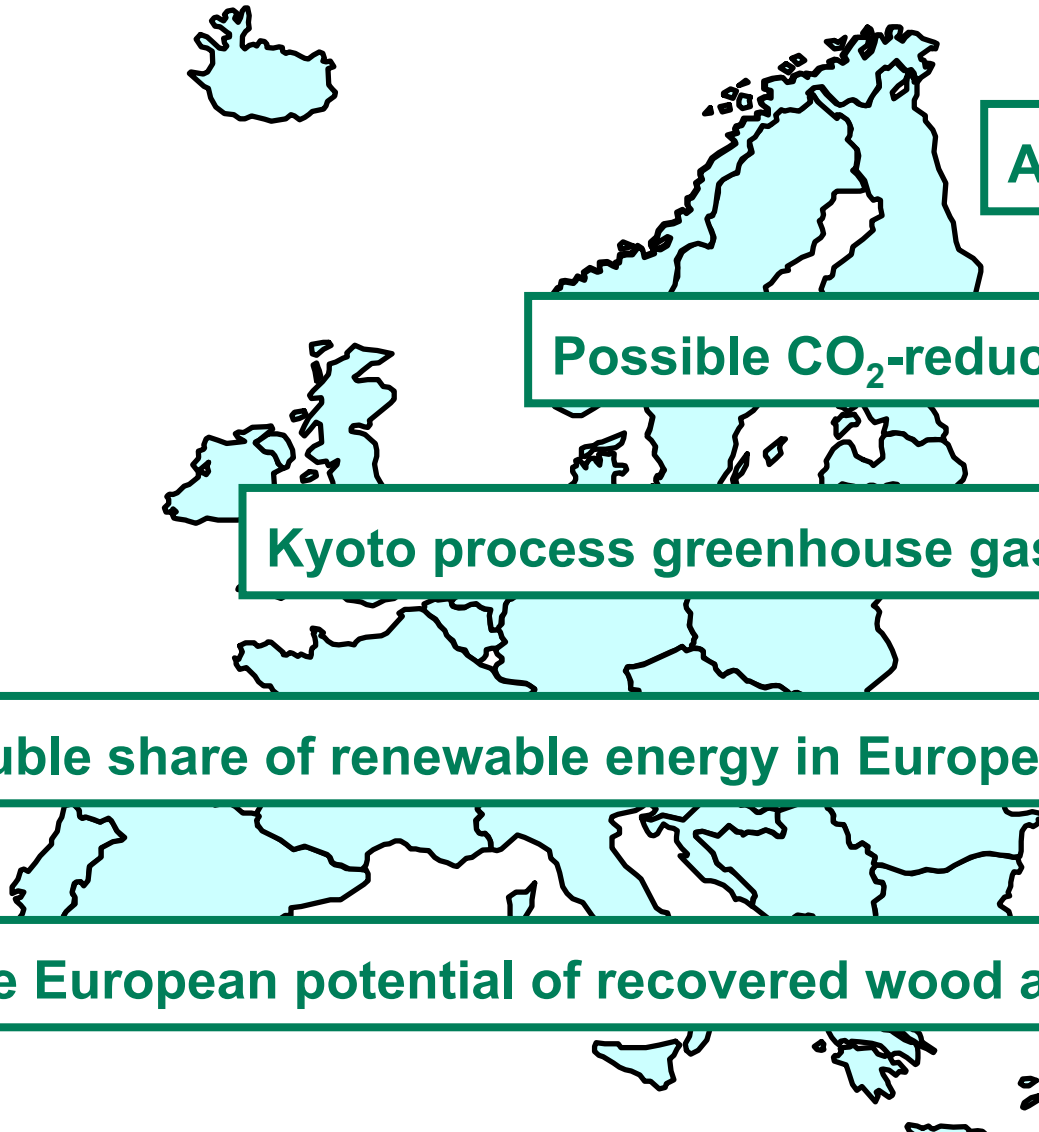


Motto of COST Action E31 ***„Management of Recovered Wood“***

**„Improvement of the management
of
recovered wood
towards a higher
common
technical, economic and environmental
standard“**



Background



Avoid land filling of wood

Possible CO₂-reduction > 100 Mio t per year

Kyoto process greenhouse gas reduction by 8% (2010)

Double share of renewable energy in Europe 6% (1997) to 12% (2010)

Available European potential of recovered wood about 50 - 100 Mio t_{dry}/a



Systems of Recovered Wood Treatment

Management options for recovered wood

Secondary resource management

Disposal

Wood for energy use

Using wood as material

Combustion without energy use

Landfill

Natural decomposition



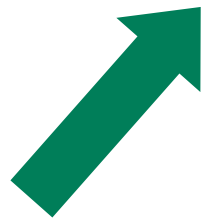
What is „Recovered Wood“ in COST Action E31?

- Recovered wood includes **all kinds of wooden material that is available at the end of its use as a wooden product** (“post-consumer” or “post-use” wood).
- Recovered wood mainly comprises
 - + packaging materials,
 - + demolition wood,
 - + timber from building sites and
 - + fractions of used wood from residential, industrial & commercial activities.
- Therefore **not in the scope of COST E31** are
 - forestry residues (tops, thinnings and branches) from forest operations and
 - black liqueur from pulp production.

Origins of „Recovered Wood“

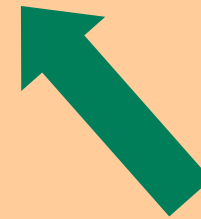


Main focus of COST Action E31



Wood processing side

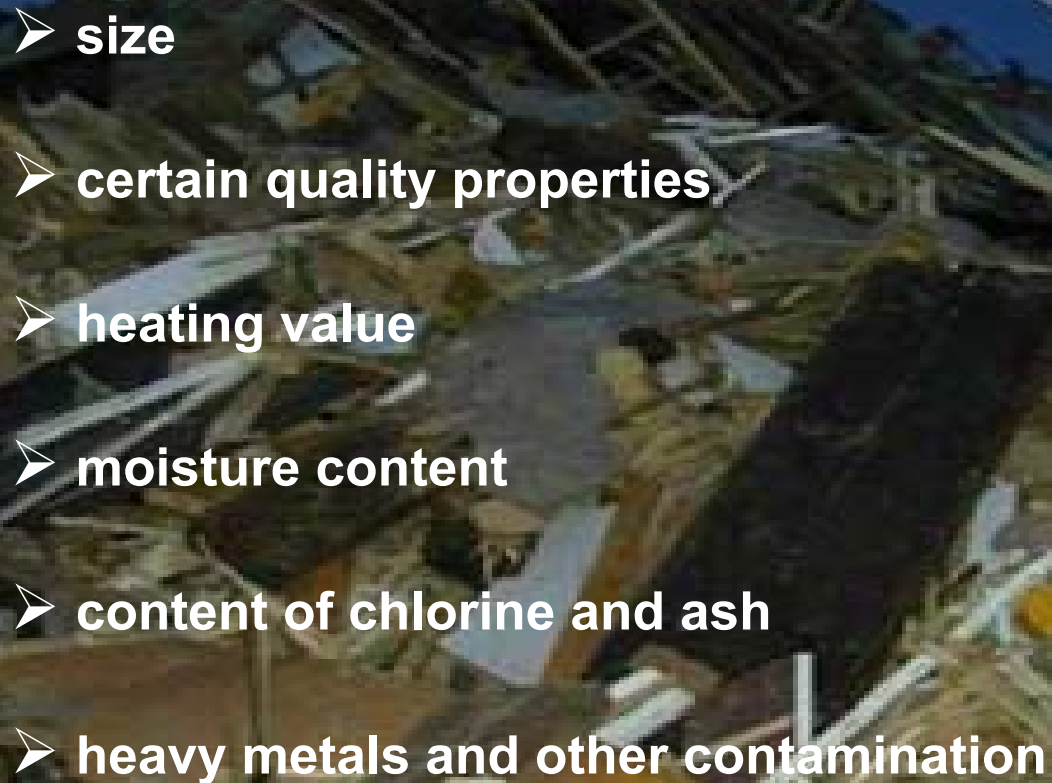
- saw mill
- wood manufacturing industry
- particle board industry



Wood utilisation side

- construction and demolition activities
- residential and commercial sectors
- packaging collection

Most Important Parameters of „Recovered Wood“

- 
- **size**
 - **certain quality properties**
 - **heating value**
 - **moisture content**
 - **content of chlorine and ash**
 - **heavy metals and other contamination**



Objectives

Analysis of management approaches for recovered wood in European countries

Improvement of databases on technical, economical, ecological and statistical information



Examine potentials of recovered wood as

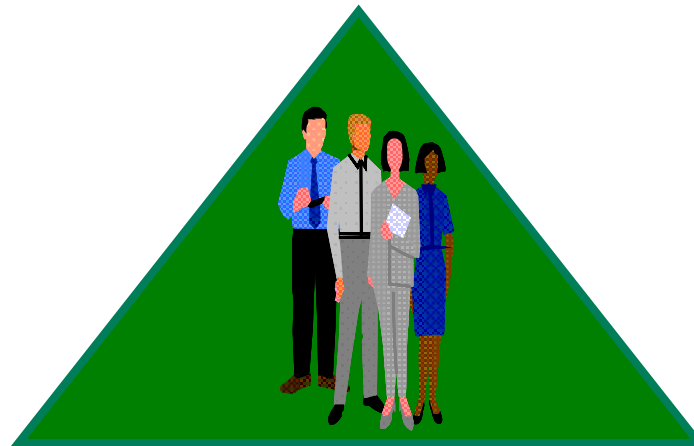
- **secondary raw materials**
- **energy sources**

Identify promising approaches for implementation of advanced systems for the management of recovered wood



The Working Triangle

**Multi-disciplinary Seminars,
Workshops and
Conferences**



Workgroup 1

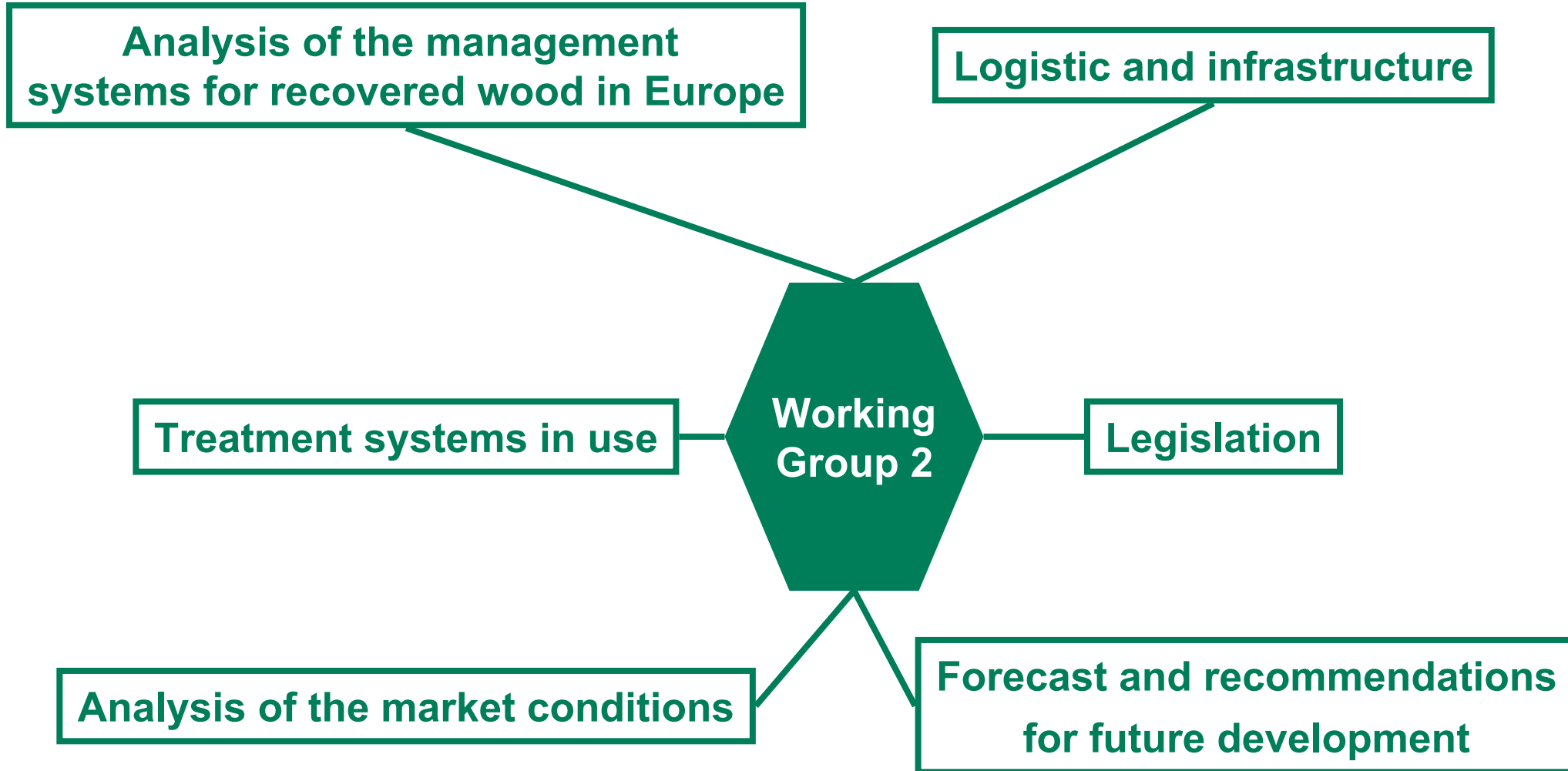
***„European Management
of Recovered Wood“***

Workgroup 2

***„Treatment Options
for Recovered Wood“***

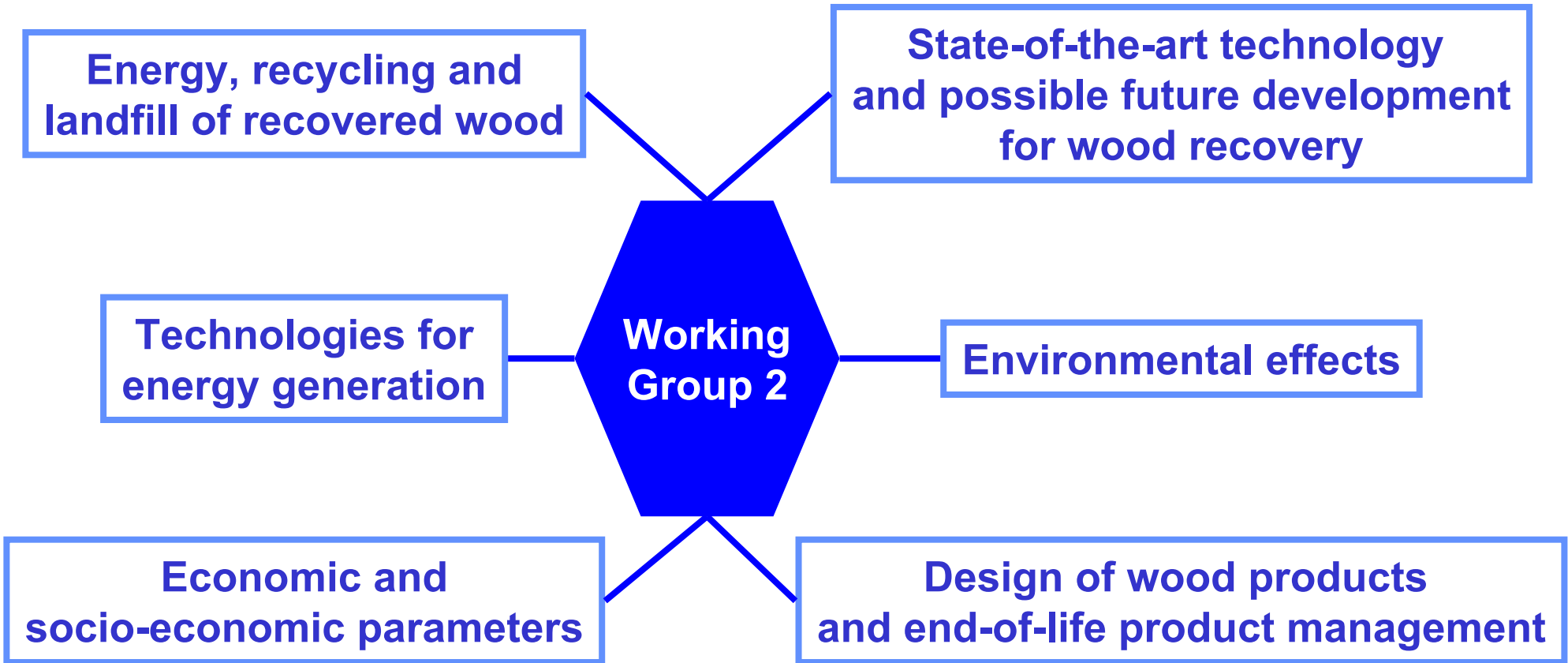


Workgroup 1 - European Management of Recovered Wood



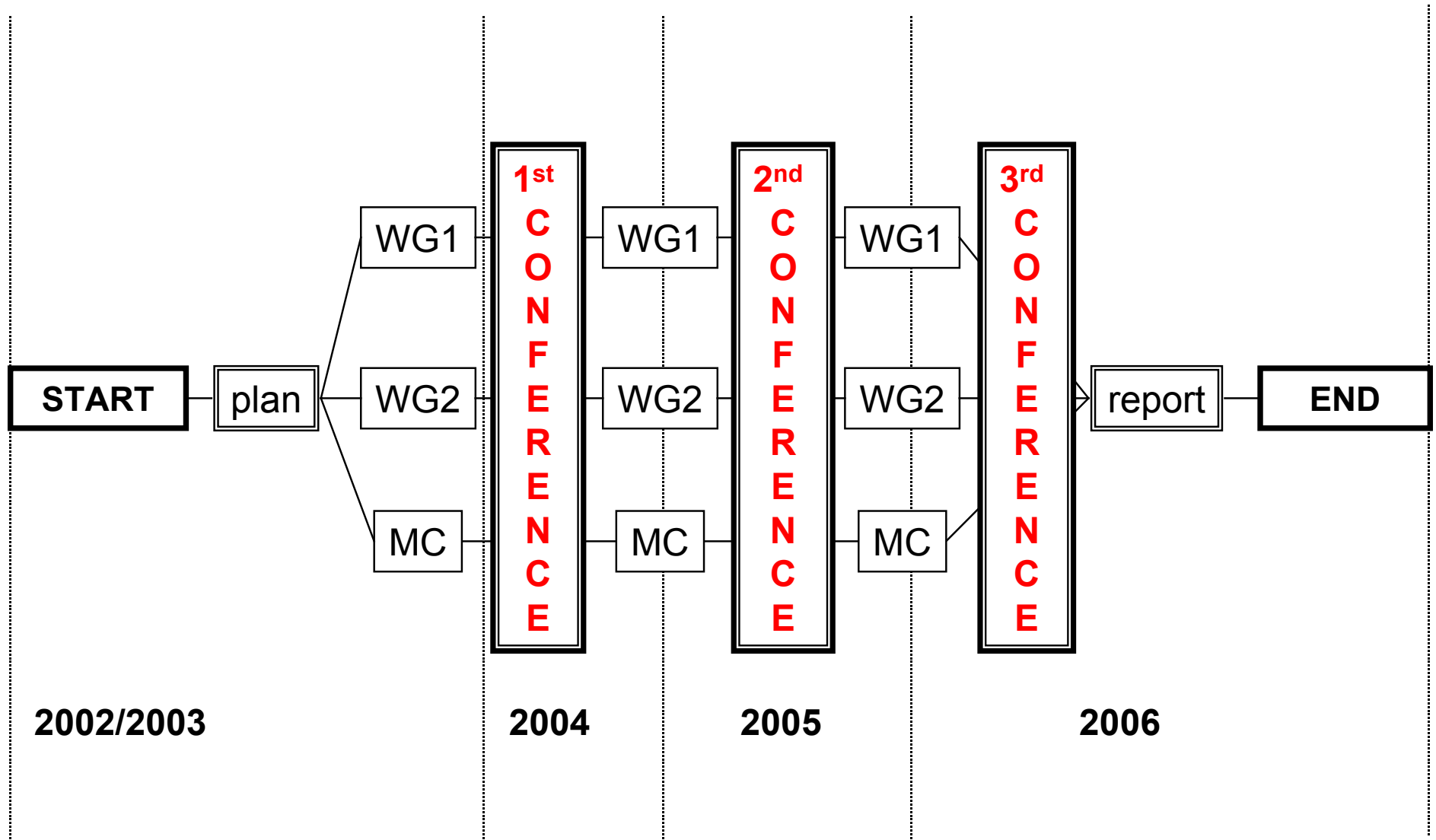


Workgroup 2 - Treatment Options for Recovered Wood





Organisational Structure and Timetable





Countries Participating in COST Action E31



**16 Countries signed
Memorandum of
Understanding (MoU)**

3 Countries interested



Benefits



Expand the relevant data base

Provide strategic information for stakeholders

Bring together a multi-disciplinary and multi-cultural 'team'

Establish a European forum for the management of recovered wood

Give an overview of the different management options for recovered wood



Outlook

- ➔ Reduce environmental loads by creating recovered wood management options that minimise landfill and incineration without energy use
- ➔ Mobilise additional biomass as a sustainable energy source
- ➔ Advance the methodology for environmental, technical and economical evaluation of different recovered wood treatment options
- ➔ Improve methods of data collection and exchange
- ➔ Develop tools for the comparison of different management options for recovered wood





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