

COST E36 - Modelling and Simulation in the Pulp and Paper Industry

E36 is a European COST Action on modelling and simulation in the pulp and paper industry to support the scientific exchange of knowledge in this field

Objectives and Benefits

The main objective of the Action is to promote the development and application of modelling and simulation techniques in pulp and paper manufacturing processes. The main benefit will be a better understanding of the process mechanisms and their control loops. This will help to find solutions for currently pending problems in the paper industry: improving paper quality, optimising wet end chemistry, enhancing runnability and reducing emissions by improving process design, process monitoring and decision support during operation. In the long run, this Action should also contribute to designing new or superior product properties.

Why this COST action?

- The big questions in simulation are still to be solved or are just about to be solved (paper properties, wet end chemistry)
- The complexity and the high velocity of processes can not longer be mastered by individuals or simple automation tools
- A large number of research projects have been started or are about to start and probably simulation will be one key issue in FP6
- There is no general awareness in the mills concerning simulation and therefore a need for the dissemination of know-how
- Simulation is a typical future problem-solving approach
- An number of applications of simulation tools will have high growth rates in future

Key E36 Figures

14 participating countries:

Belgium, Denmark, Finland, France, Germany, Netherlands, Norway, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom

Members:

40 of the most experienced simulation experts in Europe representing all major scientific players in the field of modelling and simulation in the pulp and paper industry

Duration: 4 years (22.1.2004 – 21.1.2008)

Budget: approx. 60 T€ per year

COST ...

- ... is one of the oldest funding mechanisms of the European Commission
- ... was established to promote the exchange of scientific knowledge within the European Community
- ... is a predecessor of the Networks of Excellence (NoE) defined within the 6th Framework Programme
- ... is funded by the European Community within the 6th Framework Programme and managed by the European Science Foundation (ESF)

Questions?

www.costE36.org