DFG Research Training Group 1703
"Resource Efficiency in Interorganizational Networks"
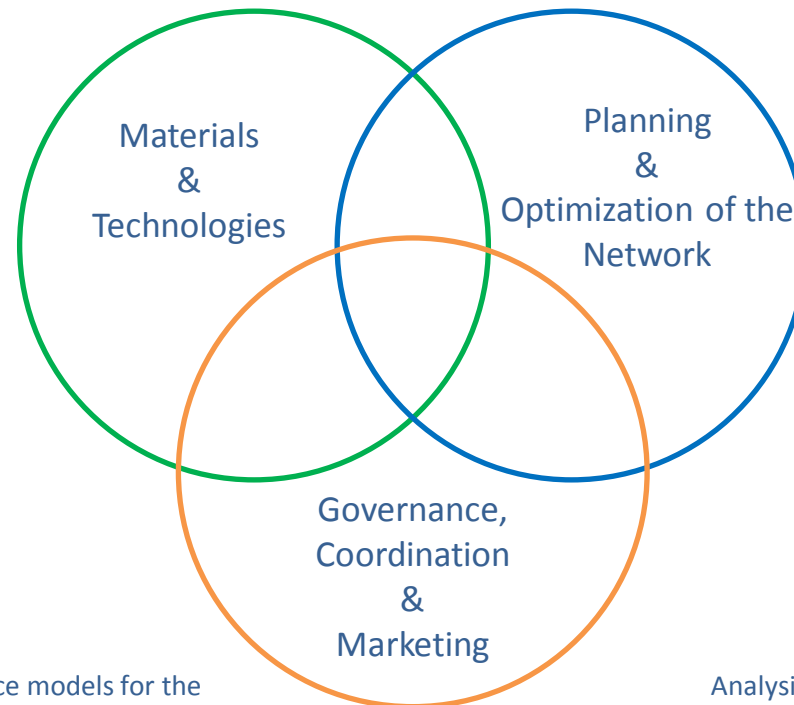
- **Development and implementation of methods to improve the resource utilization**
- **Efficient utilization of renewable resources in combined production processes**
- **Cascade utilization**

- **3 cohorts for 3 years each**
- **Members:** 11 professors, 16 doctoral students (1st cohort)
- **Involved divisions:** Production and Logistics, Wood Biology and Wood Technology, Agricultural Engineering, Information Management, Mathematical Optimization, Application Systems and E-Business, Marketing and Retailing

- **Qualification:**

  - Interdisciplinary teamwork
  - Specialisation in the personal field of study
  - Basic multidisciplinary knowledge in topical areas beyond (e.g. Network analysis, Optimization, Wood technology, …)
  - Acquirement of key skills (e.g. Project Management, Dynamic in Groups,…)

Analysis of the chemical, physical, and mechanical properties of renewable raw materials and of the possibilities for further material processing

Analysis of the mass flow of renewable raw materials and their specific specialties and risks

Modelling of the value network and its analysis under the influence of uncertainties

Development of support and information systems for the analysis and planning of the network

Materials & Technologies

Planning & Optimization of the Network

Governance, Coordination & Marketing

Development of ideal reference models for the coordination and communication from business to business

Analysis of market potentials at customer level and development of marketing concepts