



R+D on sustainable utilization of forest-products

Tibor L. Alpár

*Vice Rector for Research and
international Relations*

University of Sopron

alpar.tibor@uni-sopron.hu

Common roots in V4

- ▶ The first educational unit of Uni-Sopron was founded in 1735
- ▶ in Selmecbánya (Banská Štiavnica, currently in SK)
- ▶ Moved to Sopron after I. World War

- ▶ *Technizal University in Zvolen*
- ▶ *Mendel University in Brno*



Az erdészeti akadémia új épülete.

Sustainability

- ▶ „Green university“:
sustainable utilization of
renewable resources
- ▶ Background:
 - ▶ Core root in 18th
century: mining and
forestry
 - ▶ Carl von Karowitz in
18th century:
Sylvicultura oeconomica
– sustainable
management of forests
 - ▶ 1992 Rio: Agenda 21 –
general recognition of
necessity of
sustainability

FACULTIES

Alexander Lámfalussy Faculty of Economics: sustainable economics

Faculty of Forestry: sustainable forest, environment and climate

Simonyi Károly Faculty of Engineering, Wood Sciences and Applied Arts: sustainable utilization of forest and other renewable resources, process technologies

Benedek Elek Faculty of Pedagogy: focusing on sustainability in education

Co-operations with V4 countries

- ▶ Bilateral inter-governmental projects
- ▶ Danube project
- ▶ Interreg projects

- ▶ Czech Republic:
 - ▶ Mendel University
 - ▶ Czech Technical University in Prague
 - ▶ Tomas Bata university in Zlin
- ▶ Poland:
 - ▶ Katowice School of Economics
 - ▶ University of Economy in Bydgoszcz
 - ▶ Gdansk University of technology
 - ▶ University of Technology in Koszalin
 - ▶ Warsaw University of Life Sciences
 - ▶ Poznan University of Life Sciences
 - ▶ University of Agriculture in Krakow
- ▶ Slovakia:
 - ▶ Technical University in Zvolen
 - ▶ Slovak University of Agriculture in Nitra
 - ▶ Constantine the Philosopher University in Nitra
 - ▶ University of Economics in Bratislava

Research Competences in Focus

Bioinformatics

Non-destructive
Testing of wood

**Nano-technology
in Wood and
Paper products**

Data
management,
data mining

Bio-composites

Wood anatomy,
Wood protection

- **WoodIndustry 4.0**

- Energy efficiency
of buildings

- **EcoLogical Wood
construction**

- Paper and
cellulose
technologies

**Biogas
fermentation
technologies**

Agro-forestry

Climate change

**Forest population
genetics**

**Waste
management and
recycling**

Creative Industry

**Plantation wood
species**

**Geoinformatics,
digital image
analysis and
digital
photogrammetry**



Contacts

- ▶ Dr. Tibor L. Alpár
Vice Rector for Research and International Relations
- ▶ University of Sopron
- ▶ H-9400 Sopron, Bajcsy Zs. u. 4.
- ▶ Phone: +36 99 518 210
- ▶ E-mail: tudrh@uni-sopron.hu
- ▶ Web: www.uni-sopron.hu / www.uniwest.hu
- ▶ www.facebook.com/soproniegyetem