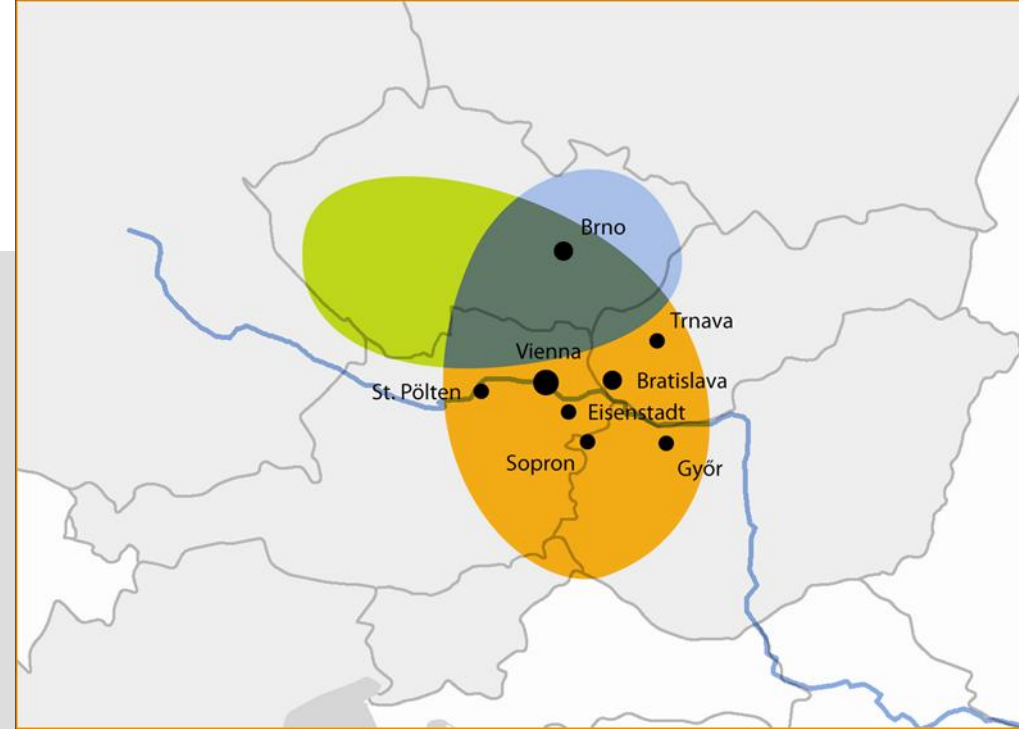


Tools for transnational innovation support in Centrope



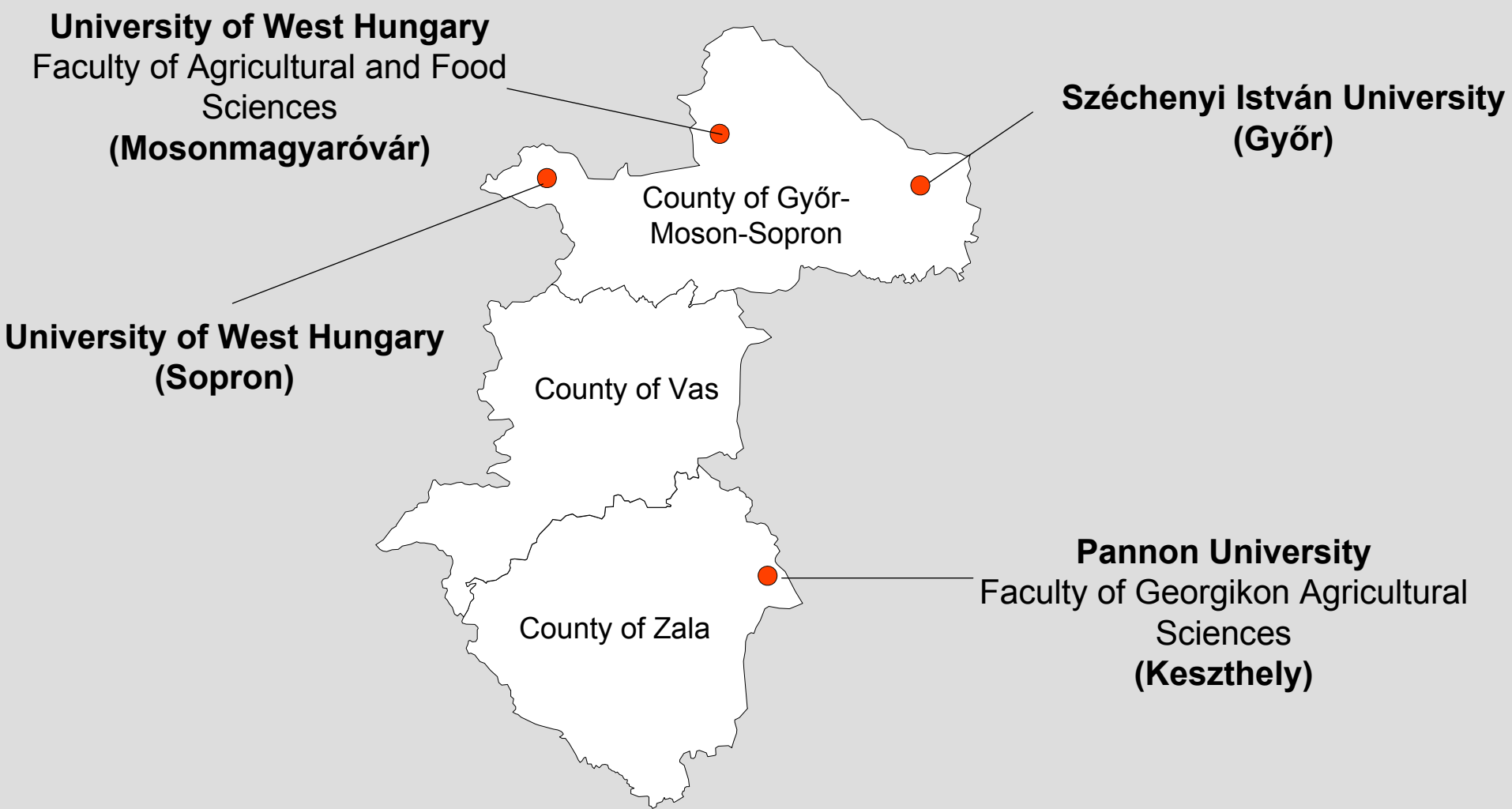
June 30th, 2010

TFZ Technologie- und Forschungszentrum Wr. Neustadt Ges.m.b.H.

Wiener Neustadt, Austria

Dobry deň! ... Jó napot! ... Vítáme Vás! ... Willkommen! ...

Universities from West-Transdanubia Region on CENTROPE_tt Map





Department of Environmental Engineering

Research Focus

General biology
Nanotechnology
Biomathematics
Ecosystem research
Engineering geology
Building physics
Noise protection, sound control
3D-surveying, Cadastral surveying
Geodetic surveying, land surveying
Geodesy, geodetic engineering
Remote sensing
GPS (Global Positioning System)
Photogrammetry

R&D results can be applied

Environmental analysis
environmental parameters
environmental indicators

Contact details

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Department of Transport

Research Focus

Transport economics (especially in
Road Transport)

Public Transport

Transport Modelling

R&D result can be applied

Modelling of public transport

Contact details

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Department of Transport Infrastructure and Municipal Engineering

Research Focus

Railway construction
Road construction
Railway engineering
Road planning
Traffic planning, - security
Traffic economics
Traffic engineering
Road construction
Accident research
Traffic system and transportation

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Regional University Knowledge Centre for Vehicle Industry

Research Focus

Mechanical technology
Materials testing
Instrument construction
Automotive engineering
Forming technology (metal)
Automotive technology
Measurement technology
Internal combustion engines

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Department of Materials and Vehicle Manufacturing Engineering

Research Focus

Materials testing
Automotive engineering
Automotive technology
Mechanical engineering
Heat engineering
Measurement technology
Plastics processing
Plastics technology
Nanotechnology

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Department of Automation

Research Focus

Computer networks
Automatic control engineering
Microelectronics
Power electronics
Robotics

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Department of Mathematics Computational Sciences

Research Focus

Computer algebra
Computer-aided animation
Mathematical statistics
Numeric computation
Game theory
Computer software
Computer-aided simulation
Numerical mathematics
Formal languages
Operations research

Contact details

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Department of Information Sciences

Research Focus

Information systems
Computer software
Information and data processing
Computer networks
Computer-aided design and
manufacture (CAD/CAM)
Software engineering
Management information systems

Contact details

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Department of Physics and Chemistry

Research Focus

Biomechanics
Plasma physics
Mathematical physics
Atomic, nuclear physics
Laser physics
Mechatronics
Radiochemistry
Radiation chemistry

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Department of Logistics and Forwarding

Research Focus

Transport economics

Packaging

Designing and testing
transport packaging

Distributive trades

Modelling of physical
distribution systems

Business logistics

Simulation of industrial
logistics processes

Ergonomics

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Department of Telecommunication

Research Focus

Communication engineering
Telecommunications
Radio engineering
Human-computer interaction
Audio technology
Electromagnetic compatibility
Telecommunications engineering

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Institute of Food Science

Research Focus

Meat hygiene

Meat technology

Food technology

Microbiology

Traditional microbiology

Food analysis

Milk hygiene

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Institute of Plant Growing

Research Focus

Agronomy

Cereal cultivation, cereals

Plant protection

Contact details

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University of West Hungary

Faculty of Agricultural and Food Sciences



Institute of Mathematics, Physics and Informatics

Research Focus

Laser spectroscopy

Spectroscopy (also: molecule -)

Photoacoustic spectroscopy

Photothermal methods

Colorimetry

Applied physics

Rheology

Agrometeorology

Climatology

Food analysis

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University of West Hungary

Faculty of Agricultural and Food Sciencies



Institute of Animal Husbandry

Research Focus

Artificial insemination

Milk technology, dairy farming

Animal husbandry

Fisheries economics, ichthyology

Aquaculture

Genetics of domesticated animals

Poultry gene reservation

Feed analysis, animal nutrition

Functional food

Forage conservation

Animal breeding, livestock ethology

Biotechnology

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Institute of Plant Biology

Research Focus

Organic farming

Microalgae,

Plant hormones,

Biopesticides,

Renewable energy (also energy
sources, raw materials)

Biodiesel,

Hydrogen production

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Institute of Informatics and Economics

Research Focus

Information systems
Information and data processing
IT security
Web engineering
Computer networks
Software engineering
Communication engineering
Telecommunications
Telecommunications engineering

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Knowledge Centre for Forest and Wood Utilisation Non-profit Ltd.

Short summary of services and activities

Research Focus

Forest economics, forest ecology
Forest engineering, forest protection
Forest technology, forestry
Wood chemistry, wood research
Pulp and paper technology
Forest and timber trade policy
Wood preservation, wood technology
Regenerable raw materials
Silviculture

- implementation and comprehensive management of agrarian technical research and development projects mainly in forestry and wood industry;
- technology transfer;
- intellectual property (IP) protection consultancy;
- 3DTECH® Laboratory: reverse engineering, 3D rapid prototyping, quality control;
- scientific dissemination, journal publishing;

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University of Pannonia

Faculty of Georgikon Agricultural Sciences



Department of Crop Production and Soil Science

Research Focus

Agronomy

Plant nutrition and plant fertilization

Soil-plant-nutrient
relationships

Soil testing

Soil fertility studies
Soil nutrient dynamics

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University of Pannonia

Faculty of Georgikon Agricultural Sciences



Department of Plant Sciences and Biotechnology

Research Focus

Biochemistry, biotechnology
Environmental chemistry, botany
Analytical chemistry, plant breeding
DNA analysis (also: genetic fingerprinting), genetics, phylogeny
Bioinformatics, genomics, mycology
Ecology of plants, plant morphology
Evolution, biodiversity, phytochemistry
Genetic engineering, - technology
Plant physiology, plant anatomy
Vegetation science, renewable energy (also energy sources, raw materials),
Agricultural-bacteriological examinations), agroecology

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University of Pannonia

Faculty of Georgikon Agricultural Sciences



Department of Agrarian Technology

Research Focus

Biophysics
Heat pumps
Energy technology
Solar technology
Renewable energy (also energy sources, raw materials)
Agricultural machines and equipment

Contact details

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Department of Horticulture

Research Focus

Plant nutrition and plant fertilization
Agroecology
Plant protection
Plant breeding
Fruit growing
Vegetable growing
Fruit tree protection
Horticulture
Ornamental horticulture
Viticulture

R&D results can be applied

Fruit production
Ornamental plant productions
Green surface design
Horticultural plant propagation
Vegetable production
Viticulture

Contact details

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University of Pannonia

Faculty of Georgikon Agricultural Sciences



Department of Crop Production and Soil Science

Research Focus

Agronomy

Plant nutrition and plant fertilization

Soil-plant-nutrient
relationships

Soil testing

Soil fertility studies

Soil nutrient dynamics

R&D results can be applied:

Nutrient Management

Contact details

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Institute of Plant Protection

Research Focus

Agronomy

Plant nutrition and plant fertilization
role of weeds in soil - plant
system,
crop-weed competition for
nutrients and water,
effect of fertilization and soil
management on the
weedeness,

Plant protection

precision weed control

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Potato Research Centre

Research Focus

Agronomy
Agricultural-bacteriological
examinations
Agricultural-chemical examinations
Agricultural-virological examinations
Seed cultivation and testing
Plant nutrition and plant fertilization
Plant protection, plant cultivation
Plant breeding, seed growing
 potato genetics
 potato biotechnology
 potato breeding

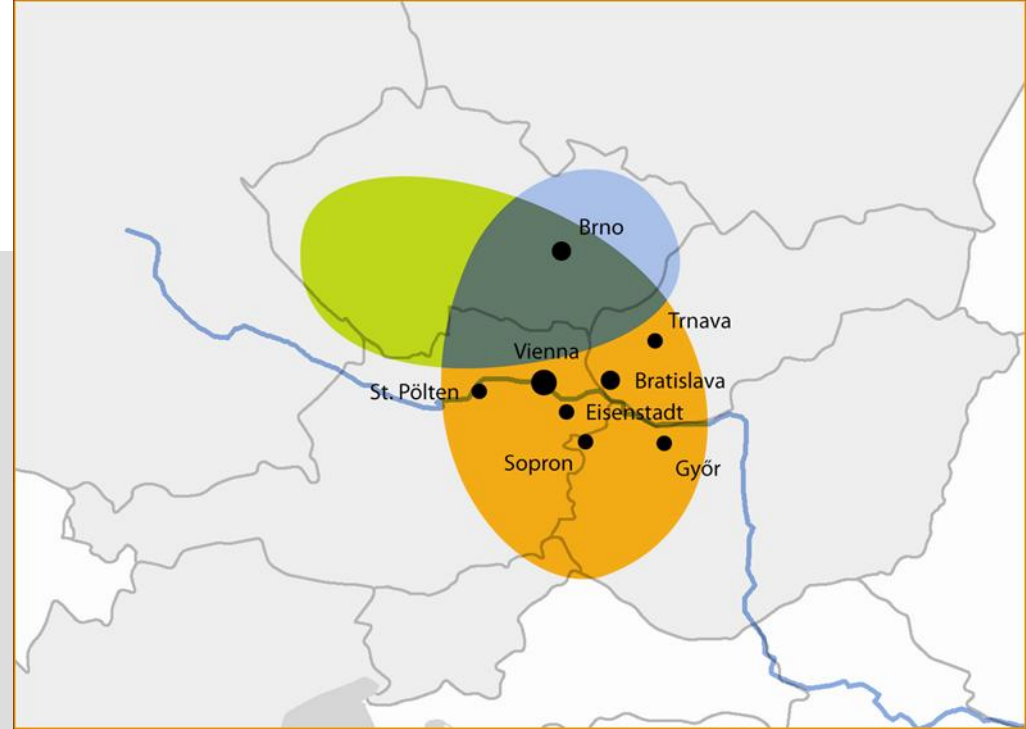
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Some Cluster Initiatives in West Transdanubia Region

- Pannon Automotive Cluster (2000)
- Pannon Wood and Furniture Cluster (2001)
- Pannon Thermal Cluster (2001)
- Pannon Logistics Cluster (2005)
- Pannon Textile Cluster (2005)
- Pannon Mechatronics Cluster (2006)
- Pannon Cluster of Local Products (Handcraft Cluster) (2005)
- Pannon Renewable Energy Cluster (2006)
- Pannon IT Cluster 2007
- Sopron Region IT Cluster 2007
- Sopron Region Logistics Cluster (2007)
- Regional Pellet Cluster (2008)
- Professio Metal Industry and Vocational Cluster (2008)
- Hungarian Vehicle Engineering Cluster (2009)

Danke !
Děkujem!
Köszönöm!
D'akujem!



Roland Dancsecs
Project manager
West Transdanubian Regional Development Agency