

Technopol-Program Lower Austria

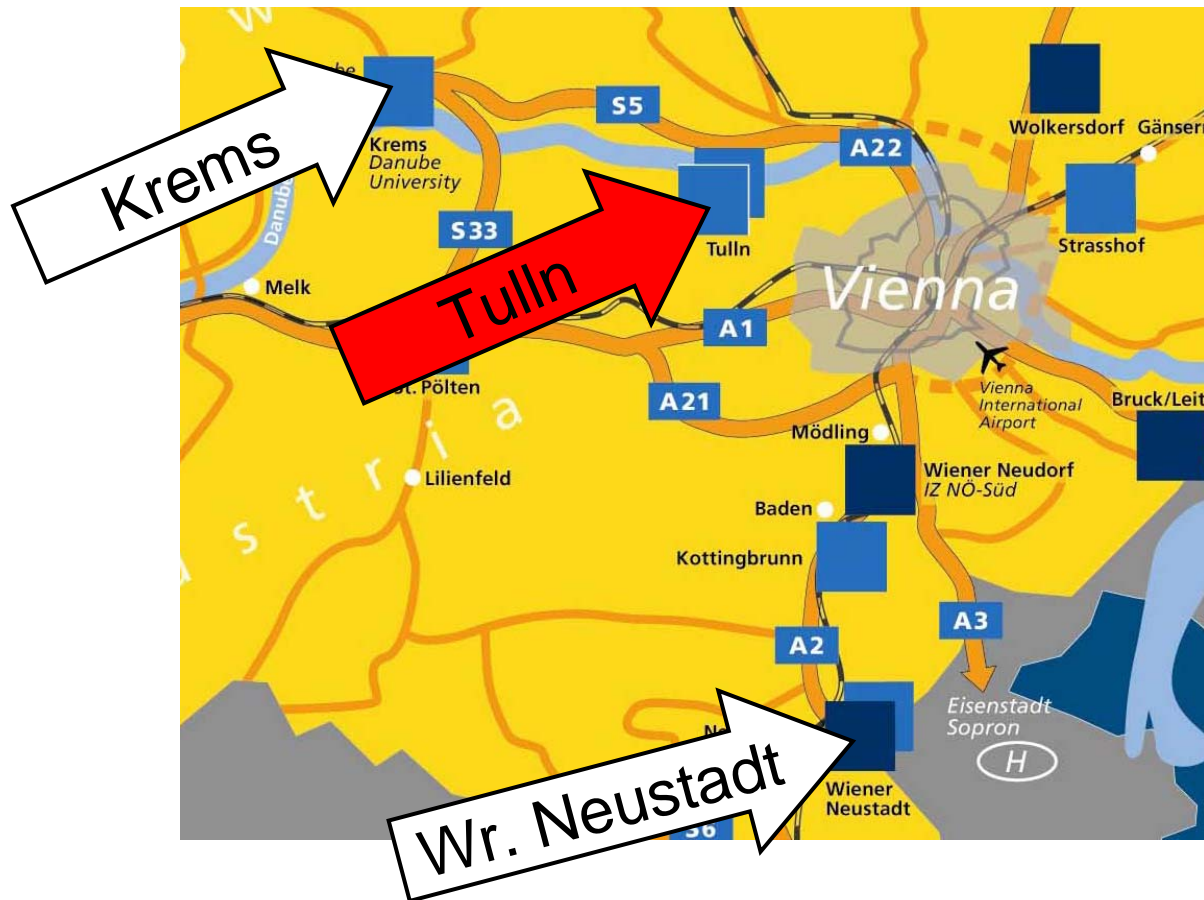


Technopol-Program Lower Austria

- **Start:** in April 2004
- **Duration:** 7 years
- **Requirements:** R&D, university education and economy at one place with synergetic emphases (three column model)
- **Objective:** to strengthen and develop existing R&D facilities and locations in Lower Austria in a technological context.
- **Tools:** Function as a hub – initiate – support – coordinate - control of applied R&D-projects and its realisation into market
- **Identified Locations:** Krems, Tulln and Wiener Neustadt



Technopol-Locations in Lower Austria



Technopol-Program Lower Austria

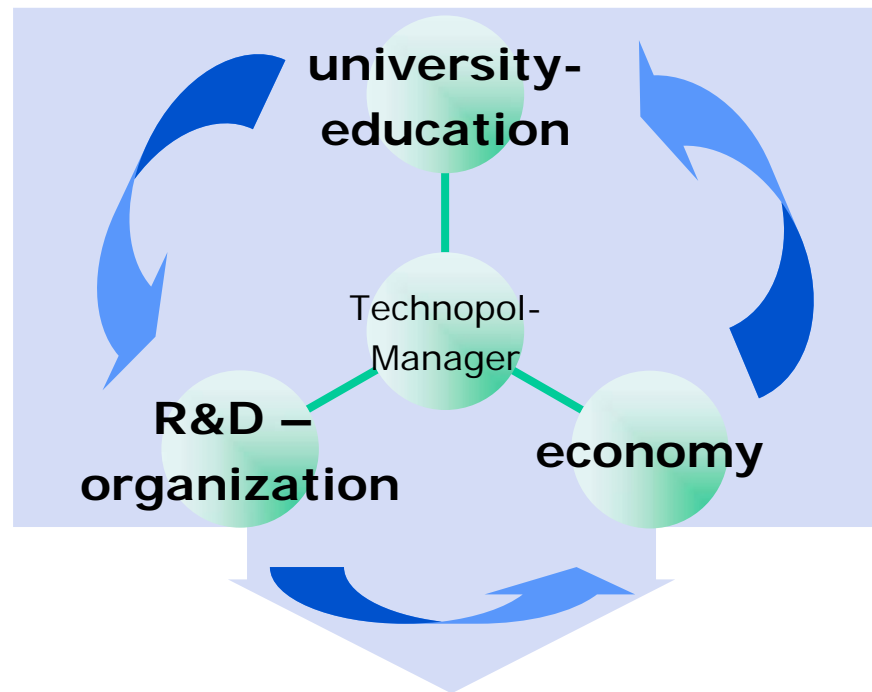
Concerning utilization of research capacities and technology-based industry the technopol-program of Lower Austria pursues several strategies:

- Development and extension of Technopols at the region of Krems, Wiener Neustadt and Tulln
- Strengthening of technology transfer
- Utilization of public research capacities especially by development of competence in demand of regional companies
- Support of technology based corporate foundations

Objectives

- Building bridges between economy and university research.
- Strengthen applied research in Lower Austria.
- Strengthen the economical realisation in Lower Austria.
- Increase of added value at the technopols and in the province.
- Creation of employments with Start up´s and Spin off´s.
- Increase of name of recognition of Lower Austria as a land of technology.

Duties of a Technopol-Manager



R&D - Projects

Start up / Spinn off

Know how Transfer

Technological site development

Technopol-locations and emphasis

- **Krems:** „medical biotechnology“ with focus „regenerative medicine“ e.g. extra corporal blood-purification, tissue engineering, cell therapy. ~ 35 researchers
- **Tulln:** Agro- and environmental biotechnology with focus on plant- and animal-production, (bio)-analytics, natural materials technology, environmental biotech, ~ 170 researchers
- **Wiener Neustadt:** „Modern industrial technologies“ like surface technologies, centre of competence for electrochemistry and tribology, micro-system technology, integrated Sensor systems, medical applications, injection moulding technology, ~ 150 researchers

Technopol Krems

Research establishments

- Danube University Krems
- Centre for Biomedical Technologies
- Christian Doppler Laboratory for absorber technologies
- IMC- University of Applied Sciences Krems

University education

- Danube University Krems
- IMC - University of Applied Sciences Krems

Services

- RIZ NÖ Nord
- BTZ Biotechnology Centre Krems
- Biotec Area Krems



Technopol Tulln

Research establishments

- IFA Tulln – Interuniversity Research institute for Agrobiotechnology
- CD Labour for mycotoxin-research
- University of Applied Sciences Wiener Neustadt/ location Tulln
- Zuckerforschung Tulln

University education

- University of Applied Sciences WN/ Tulln
- IFA Tulln (BOKU / Marie Curie Trainings-site)
- Landwirtschaftliche Fachschule Tulln

Services

- Technopark Tulln GmbH
- Technologiezentrum Tulln GmbH



Technopol Wiener Neustadt

Research establishments

- AC2T research - Austrian Centre of Competence for Tribology
- ARC Seibersdorf research GmbH- Health Services
- ECHEM – Centre of Competence for Applied Electrochemistry
- FISS – R&D Institute for Integrated Sensor Systems
- FOTEC – Forschungs- und Technologietransfer GmbH
- IMA – Centre of Competence for Integrated Microsystems Austria
- MedAustron (Particle Accelerator for Cancer Therapy)
- University of Applied Science Wiener Neustadt

University education

- FH Wiener Neustadt

Services

- RIZ NÖ Süd
- Technologie- und Forschungszentrum TFZ



Three column model in Tulln: FH degree program “Biotechnical Processes”

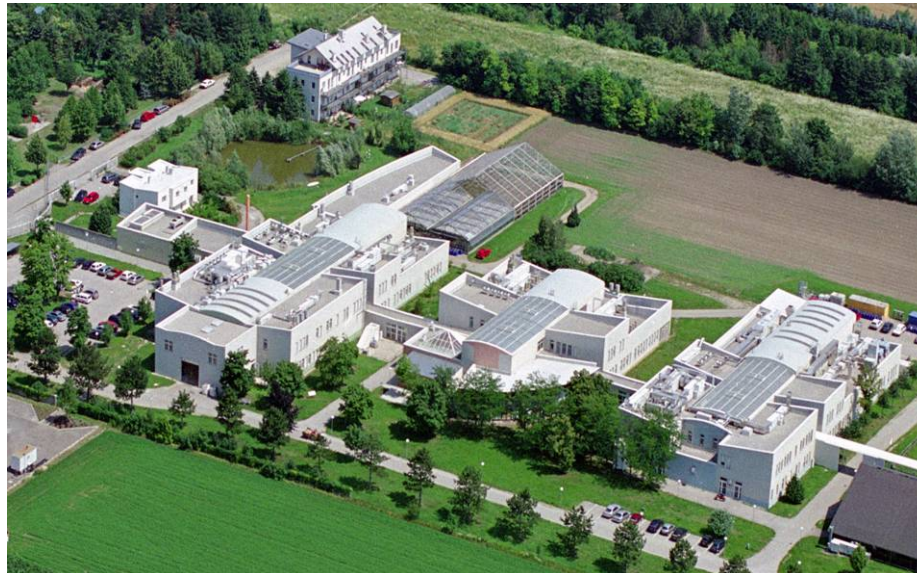
- This degree program was developed in close co-operation with the IFA Tulln and opened in 2002. The duration **bachelor degree** is six semesters with selectable specialities:
 - Fermentation
 - Natural cosmetics
 - Bioplastics
 - Analytics of foodstuff and animal feed
- The final **master degree** is done in additional four semesters with the specializations:
 - Process analytics
 - Environmental technology and monitoring
 - Quality in foodstuff and animal feed
 - Biological agents



Three column model in Tulln: IFA-Tulln

Two columns of the three-column-model in one place

- Research & development
- Education



Three column model in Tulln: Companies at Technopol Tulln



55pharma Drug Discovery & Development GmbH



Bio-ferm GmbH



Biomín GmbH



Biopure Referenzsubstanzen GmbH



ecoplus Niederösterreichs Wirtschaftsagentur GmbH



Quantas Analytics GmbH



Romer Labs Diagnostics GmbH

Actions of Technopol-Management at Tulln (1)

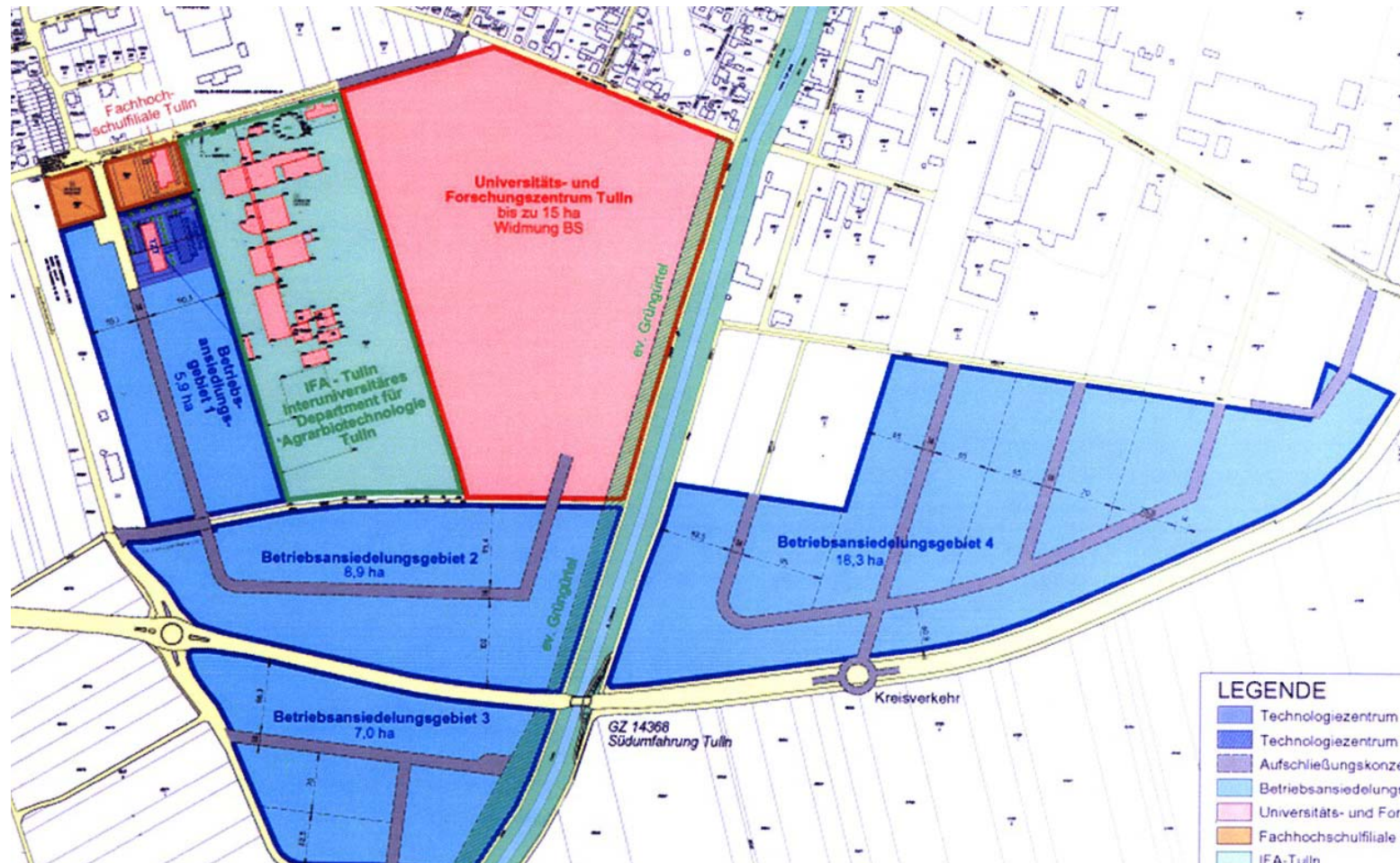
- Location marketing
 - Trade fair appearance (e.g. Bio 2006/07)
 - Consistent branding of “Technopol Tulln”
- Press communications 2006
 - 129 press releases
 - 6 contributions on radio and TV
 - 3 press conferences
 - 5 delegations from politic and economy (Finland, Taiwan, Tunisia, etc.)
- Local business settlement
 - E.g. Quantas Analytics, 55pharma...



Actions of Technopol-Management at Tulln (2)

- Project management
- Research projects e.g. „Modern bioanalytic in foodstuff and animal feed“
 - Close cooperation between center of analytic chemistry (IFA) and FH-degree program
 - Output:**
 - 4 diploma thesis at IFA / 2 at FH
 - 5 poster-presentations at international congresses
 - 3 publications
 - 1 spin-off (Quantas analytics)
 - 1 business settlement (Romerlabs)

Future developments at Technopol Tulln





www.ecoplus.at/technologie

www.technopark-tulln.at

Dipl.-Ing. (FH) Lukas Porak

l.porak@ecoplus.at

Project Manager Technopol Tulln

Dipl.-Ing. Claus Zeppelzauer

c.zeppelzauer@ecoplus.at

Division Head Companies & Technology

Department Head Technopols / Technopolmanager Tulln