

# CLUSTERIX 2.0

Interreg Europe



European Union  
European Regional  
Development Fund

## GP RTI Programme Lower Austria

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# Lower Austria

## Key challenges

- Agriculturally dominated region -> Technology orientation
- Lacking critical mass in public R&D
- Lacking critical urban agglomeration, low population density
- Highly diversified economy, no strong sectorial specialization
- Dominated by very small companies

## Lower Austria needs to:

- Create its unique selling proposition, no duplication of other regions
- Collaborate with neighbor regions
- Create critical mass in R&D and Innovation in niche technologies
- Facilitate innovation also in rural areas, foster innovation capacity
- Encourage co-operations between instruments



# Lower Austrian Economic Strategy

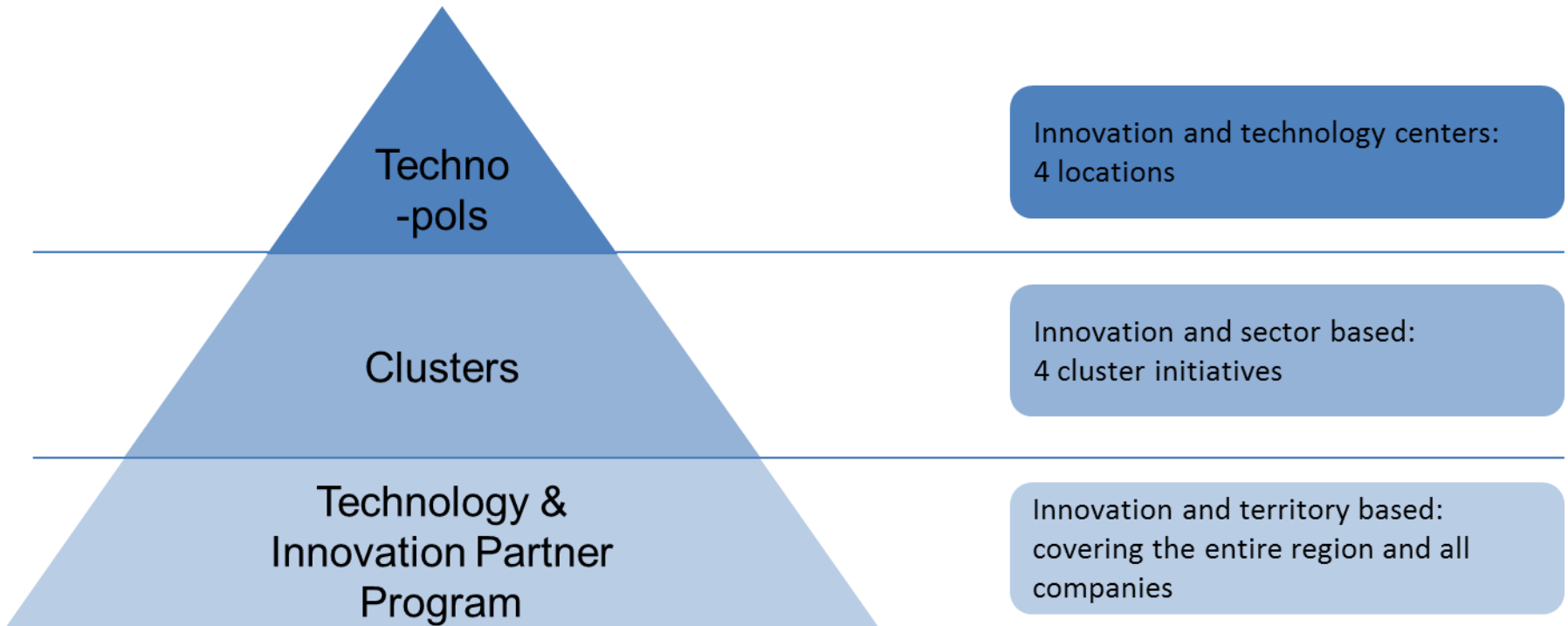
-> Economy perspective

## Core Strategies



- **Services:**
  - Technopol Programme
  - Cluster Programme,
  - Technology & innovation Programme-> „Innovation Pyramide“
- **Financing** of projects
- **R&D Infrastructure** in Focus Areas

# Core of Lower Austrian RIS3 “Innovation Pyramide”



Source: Economica, 2013

Methodology approach!

# Lower Austrian Research, Technology & Innovation Strategy

-> Research perspective (Department for Science and Culture)

## RTI Strategy (2013)

- Desk research
- 39 Interviews
- 3 events (44 part.)

## Lead projects

- Identification in WGs
- Pre checked by SC
- Approval by MC
- Financing: regional calls + nat./EU funds

**Regional  
budget:  
3 Mio. € / year**

## RTI Programme (2014)

- 5 Research Areas
- 10 Focus Topics
- 10 Working Groups

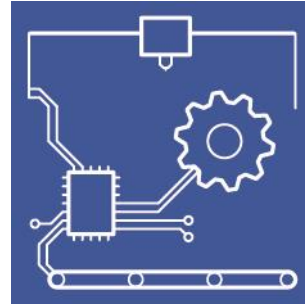
## Further Development of RTI Programme

- Focus topics remain
- Identification of new lead projects

# 10 Focus topics:

Focus topic	Coordinated by
Cultural and Social Sciences	
Museums and Collections	
Biodiversity	
Water	
<b>Renewable Resources and Bioenergy</b>	Green Building Cluster + Technopol Wieselburg
<b>Food and Feed Safety</b>	Technopol Tulln
Sustainable Agriculture / agro-production	
<b>Medical technology and Biotechnology</b>	Technopol Krems
<b>Material and Surface technology</b>	Technopol Wr. Neustadt
<b>Manufacturing and Automation</b>	Mechatronics Cluster

# Example: Manufacturing and Automation

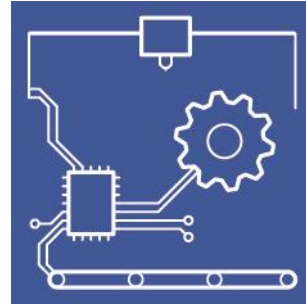


- Coordination: Cluster Manager Mechatronics Cluster
- Participants: TU Vienna, Fotec, companies, Chamber of Commerce, Federation of Industry
- Feasibility Study: 3D-Printing (Chamber of Commerce, Federation of Industry, cluster)





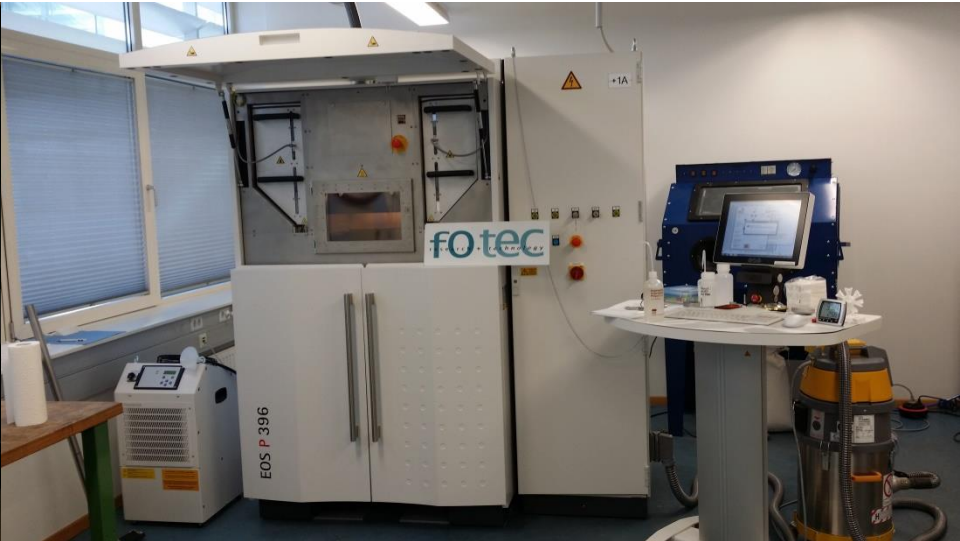
# Example: Manufacturing and Automation



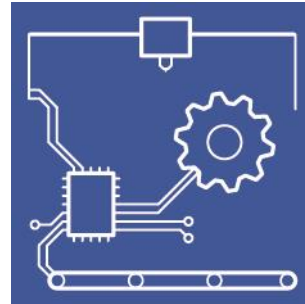
## **Additive Manufacturing / 3D Printing (Fotec):**

- Infrastructure investment: Development of a Laboratory for Manufacturing Innovation (LMI) at Fotec/FH. Wr. Neustadt, 2.1 Mio €
- ADDManu (Austrian „lighthouse“ project, Project volume 4 Mio. €, 700,000 € in Lower Austria)
- AM4Industry (CORNET project -> qualification for 30 companies, 500,000 €)
- New Curriculum 3DPrinting at University of Applied Science Wr. Neustadt

# Laboratory for Manufacturing Innovation



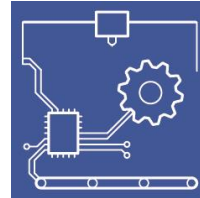
# Example: Manufacturing and Automation



## High Performance Cutting (TU Vienna, Institute for production technology):

- DynaTool (CORNET project , 500,000 €)
- HUBTech (CORNET project, 500,000 €)
- Endowed professorship (“Stiftungsprofessur”, 2 Mio. €)
- COMET K1 Center CDP (big research project, 17 Mio. €: 45% public (nat.+reg.), 5% R&D, 50% companies)
- KIC Added Value Manufacturing, collocation center in Vienna (submitted)

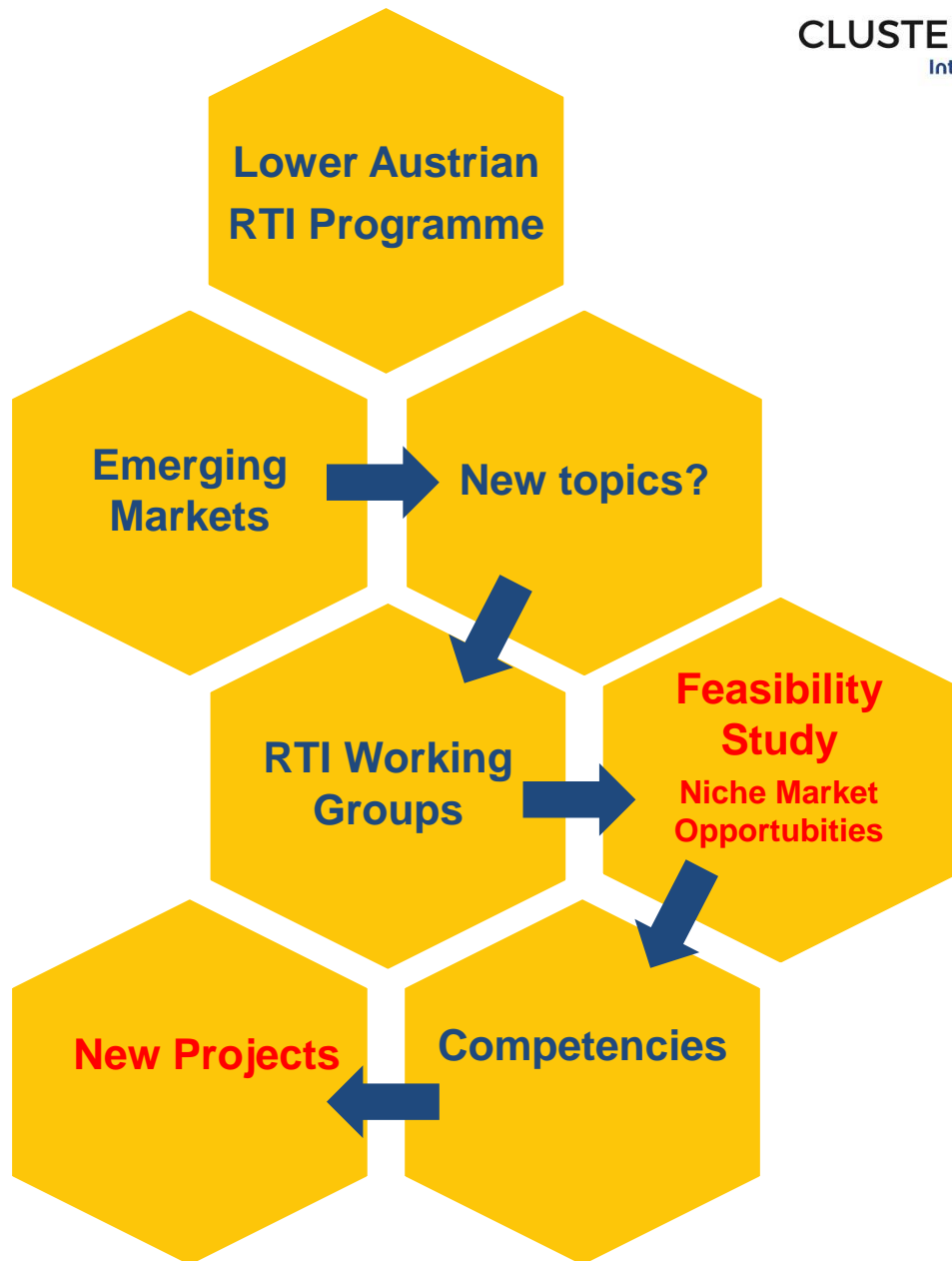
# Example: Manufacturing and Automation



## Lessons learned:

- Effort / costs of process: 4 meetings of the working group in 2014/2015 (2/y)
- Project volume mobilized in total: 20 Mio. €
- Outcome / impact:
  - Focus on agreed topics, involvement of all stakeholders -> trust development
  - Commitment of companies, chamber of Commerce, Federation of Industry -> co-financing of projects
  - Leverage effect for Lower Austrian funding -> national/European/private funds
- Key success factors: coordination by „neutral“ facilitation (cluster manager), trust, commitment

## Next steps:



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## Thank you!

Questions welcome



*Project smedia*