

# **Monitoring of the RIS3 process and strategy adaptation along with the new challenges**

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## Niederösterreich – facts and figures

- ▶ Area: 19.178 km<sup>2</sup>
- ▶ Population 2013: 1.6 mio
- ▶ Person employed 2012: 580.130
- ▶ unemployment rate 2012: 4.1 %
- ▶ economic growth 2013: 0,4%
- ▶ GDP 2012: € 49,6 bill
- ▶ R&D expenditures 2012: € 759 mio
- ▶ R&D share on GDP 2012: 1,53 %



# RIS<sup>3</sup> - Regional Innovation Strategy Lower Austria



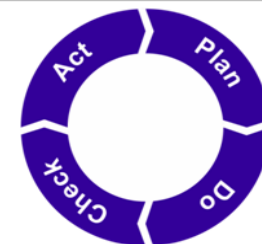
**Based on:** SWOT, needs of clients/companies, trends and challenges, potential for excellence

Implemented: Steering Committee, full commitment

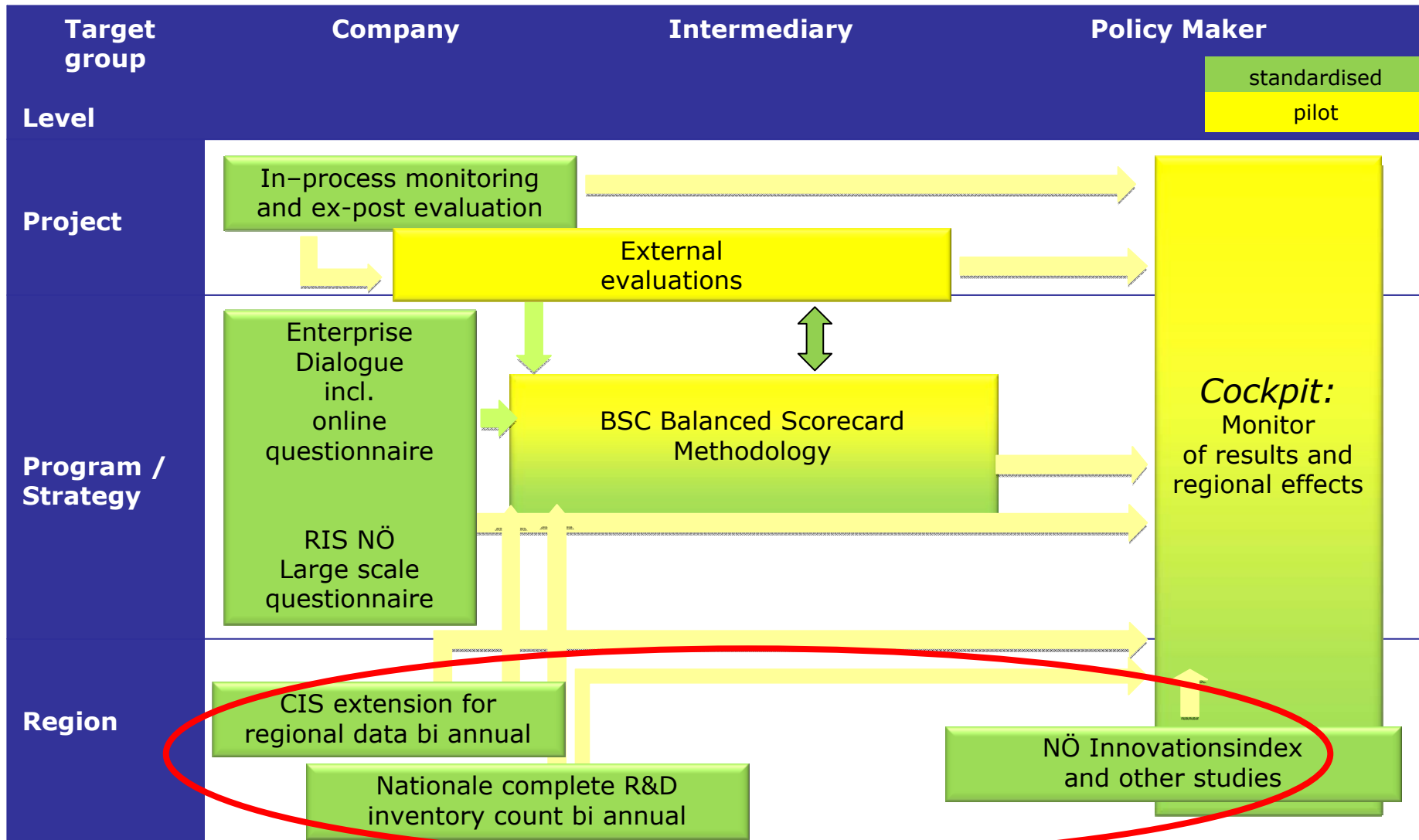
Steered by: Balanced Score Card (BSC)

Monitored and evaluated: continuous improvement process (CIP)

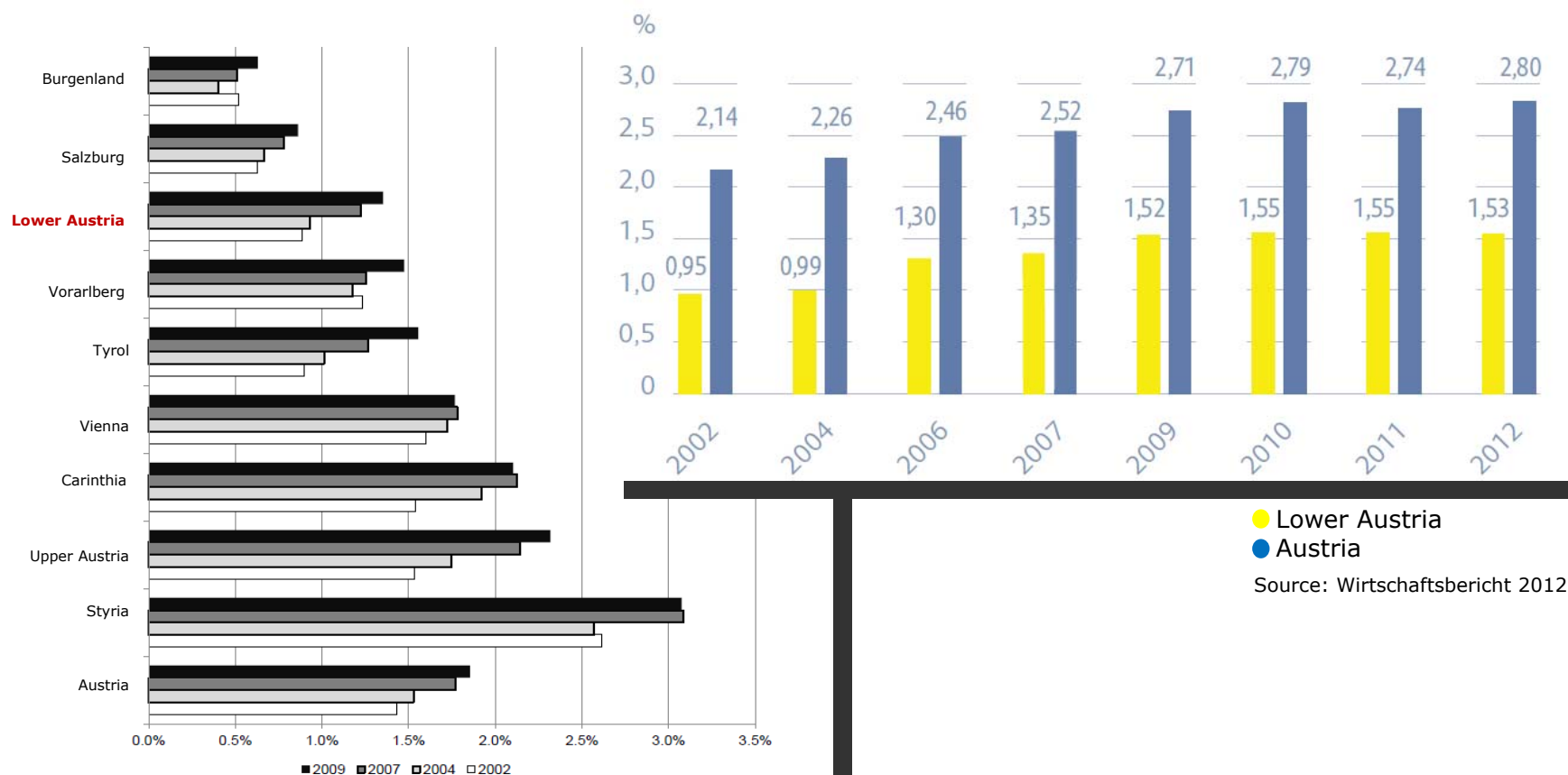
Integrated: national and European



# RIS<sup>3</sup> - Monitoring and Evaluation



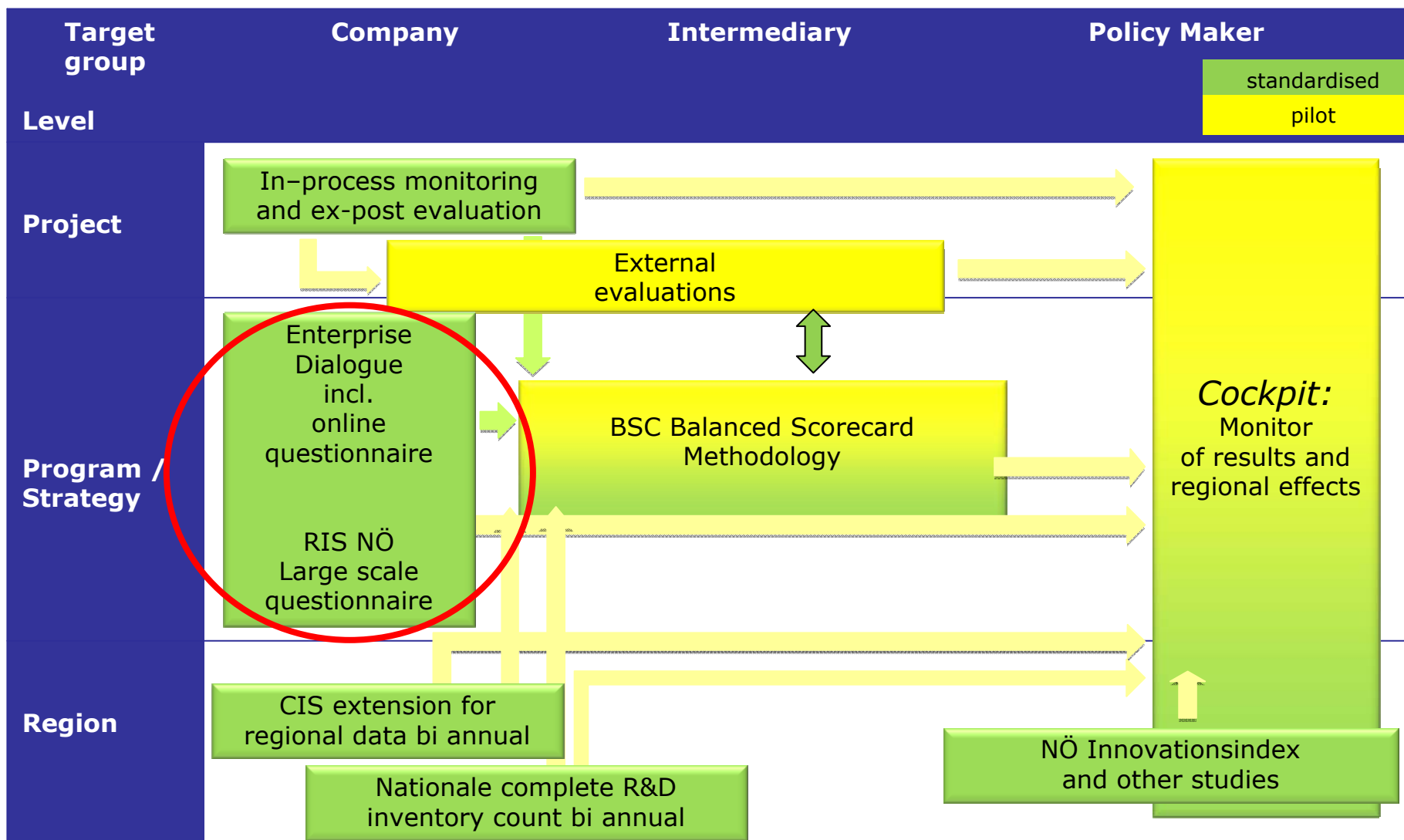
# R&D rate in % of GDP



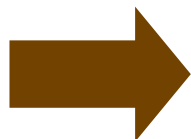
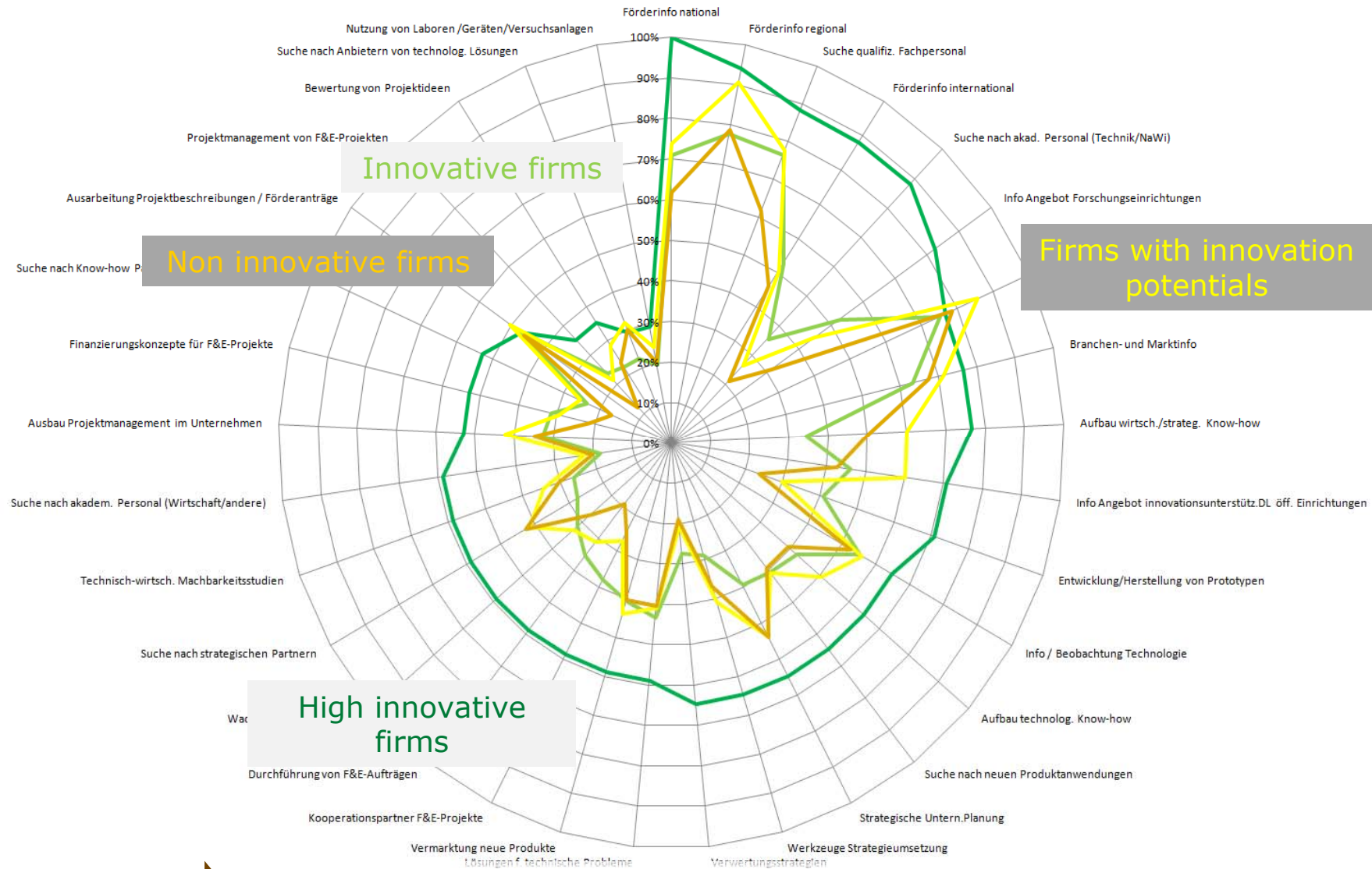
● Lower Austria  
● Austria  
 Source: Wirtschaftsbericht 2012

Quelle: JOANNEUM RESEARCH – Berechnungen; STATISTIK AUSTRIA, F&E-Erhebung 2009

# RIS<sup>3</sup> - Monitoring and Evaluation

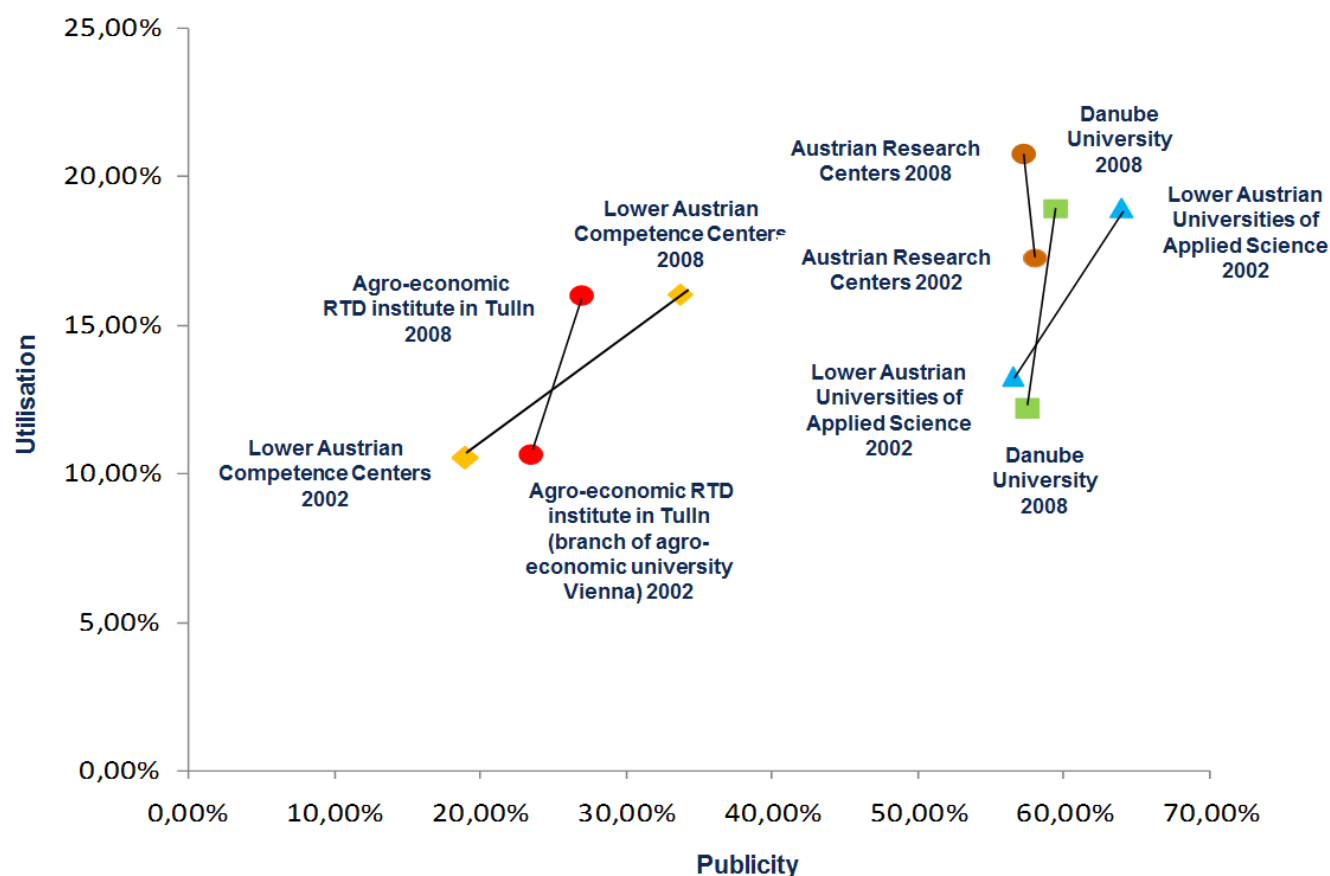


# Firms questionnaire survey 2008: firms' needs



**Expressed firms' needs is depending on innovativeness level,  
Knowledge of target group important for service providers**

## Publicity and utilisation of Lower Austrian academic institutions and RTD institutes





## Priority setting – RIS Lower Austria

- **Clear strategy, clear focus & measurable indicators,**
- **Clear responsibilities within network**
- **Clear instruments**
  - **Financial (direct) support**
  - **Advice and services** (Technopoles, Clusters, Technology and Innovation Partners)
  - **Infrastructure** (universities of applied sciences, Technology centres, Start-up centres, ...)



INNOVATION AND TECHNOLOGY

QUALIFICATION

CO-OPERATION

INTERNATIONALIZATION

START UPS

SUSTAINABILITY

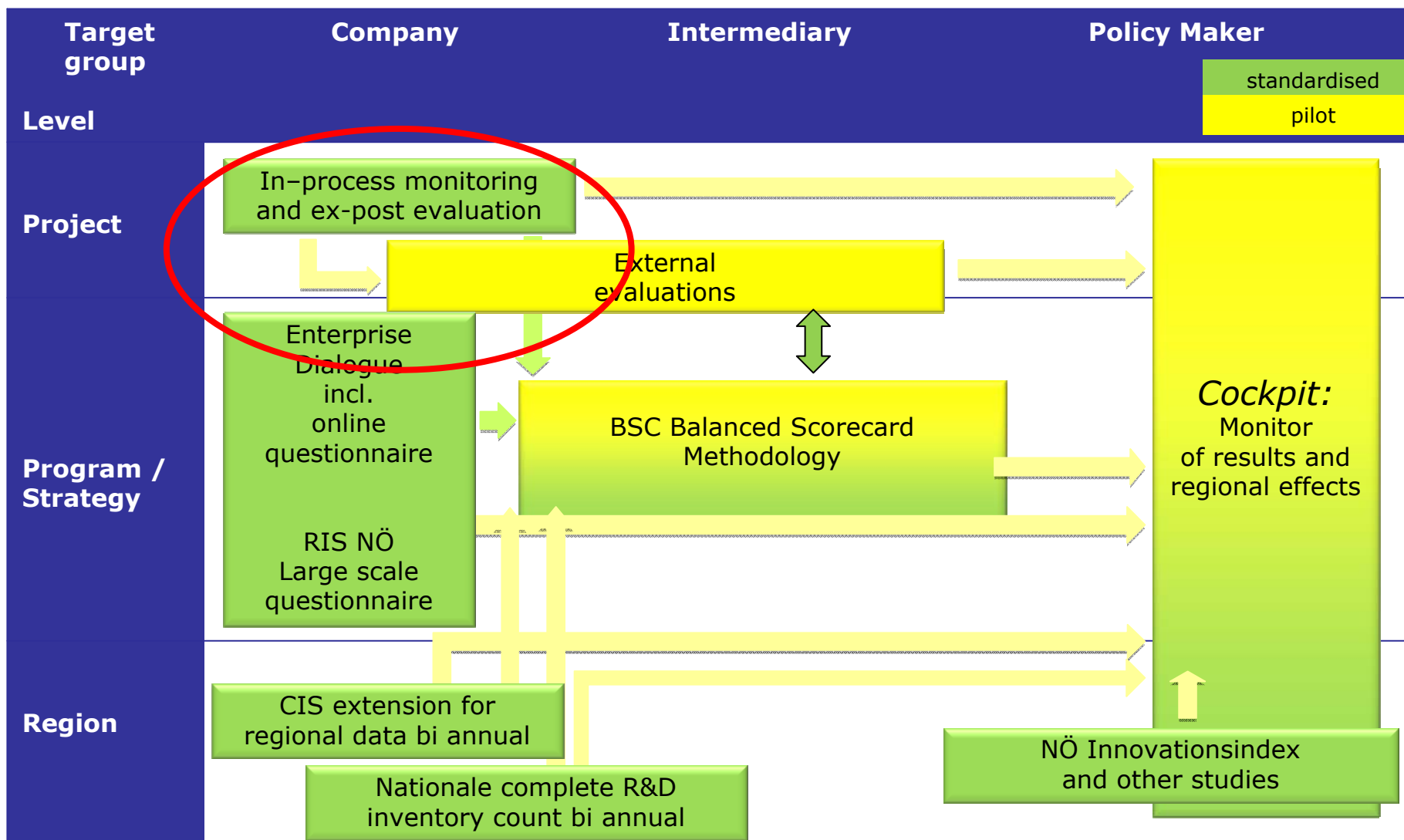
**Thematic Specialization**  
 -> **in niches, no duplication:**

Clusters, Technopoles, Technology Centres

**No Thematic Specialization**  
 -> **increase innovation capacities & competitiveness in general:**

Start-up centres, Internationalization, TIP, Qualification, Financial support, ....

# RIS<sup>3</sup> - Monitoring and Evaluation

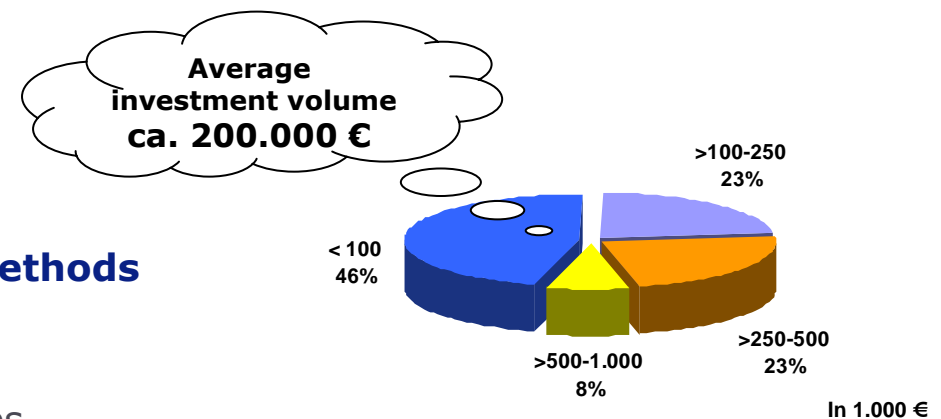


## Results: Innovation Assistant, a funding scheme

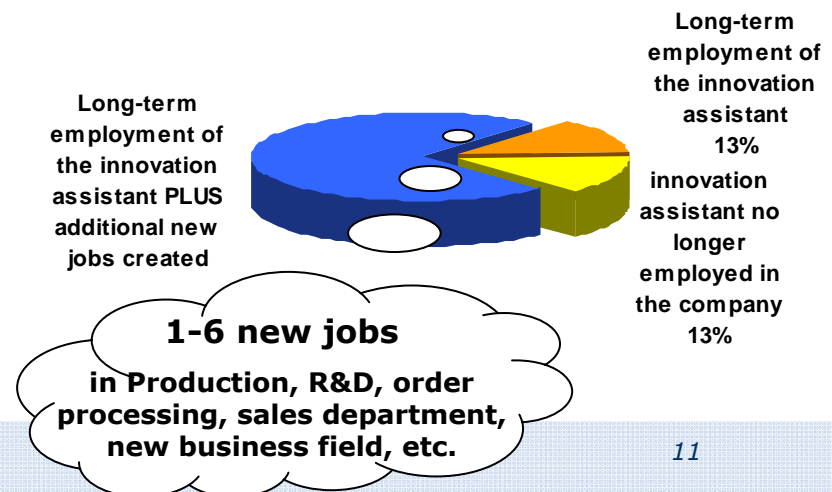
Monitoring and evaluation – some results:

- ▶ **Strengthening of competitiveness**
  - ca. 80 % innovative products / ca. 20 % innovative processes created during funding project
  - ca. 80 % significant technological improvements
- ▶ **Introduction of modern management methods**
  - More than 90 % improved their project management
  - Ca. 80 % organisational change activities
- ▶ **Stimulation of cooperation culture and know how transfer**
  - More than 50% established new long term cooperations, 50% improved collaboration with RTD and/or universities
- ▶ **Growth of the companies funded**
  - More than 85 % created new jobs
  - More than 70 % with rising sales
  - More than 50 % with rising earnings

### Companies' investments stimulated by the funding programme



### Employment effect



## Changes

- Plan funding scheme together with clients
- Start of a monitored Pilotaction (feedbackloops)
- Stop/go decision
- Adaption
- Implementation as „main stream funding scheme“
- Monitoring
- Evaluation

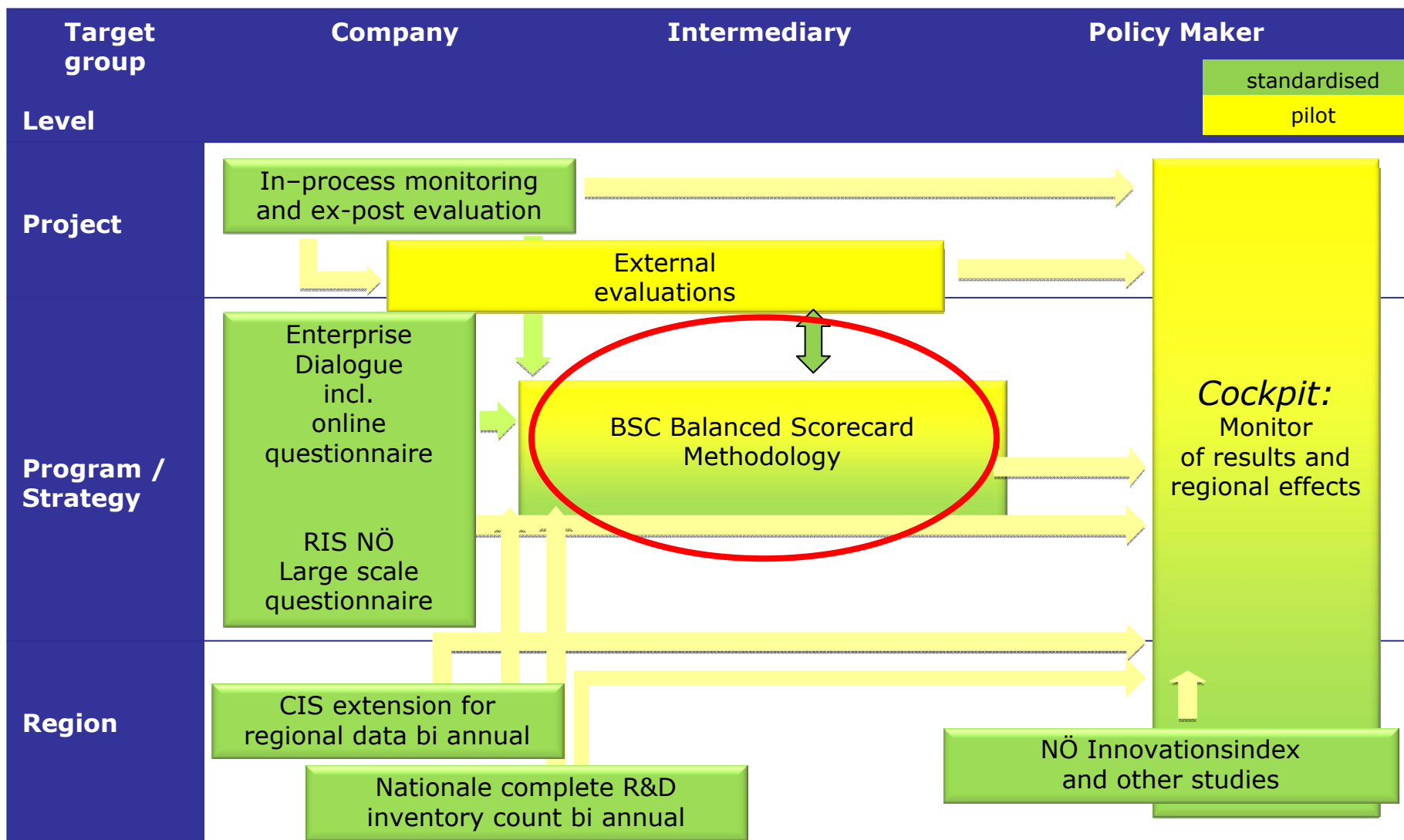


Next period:

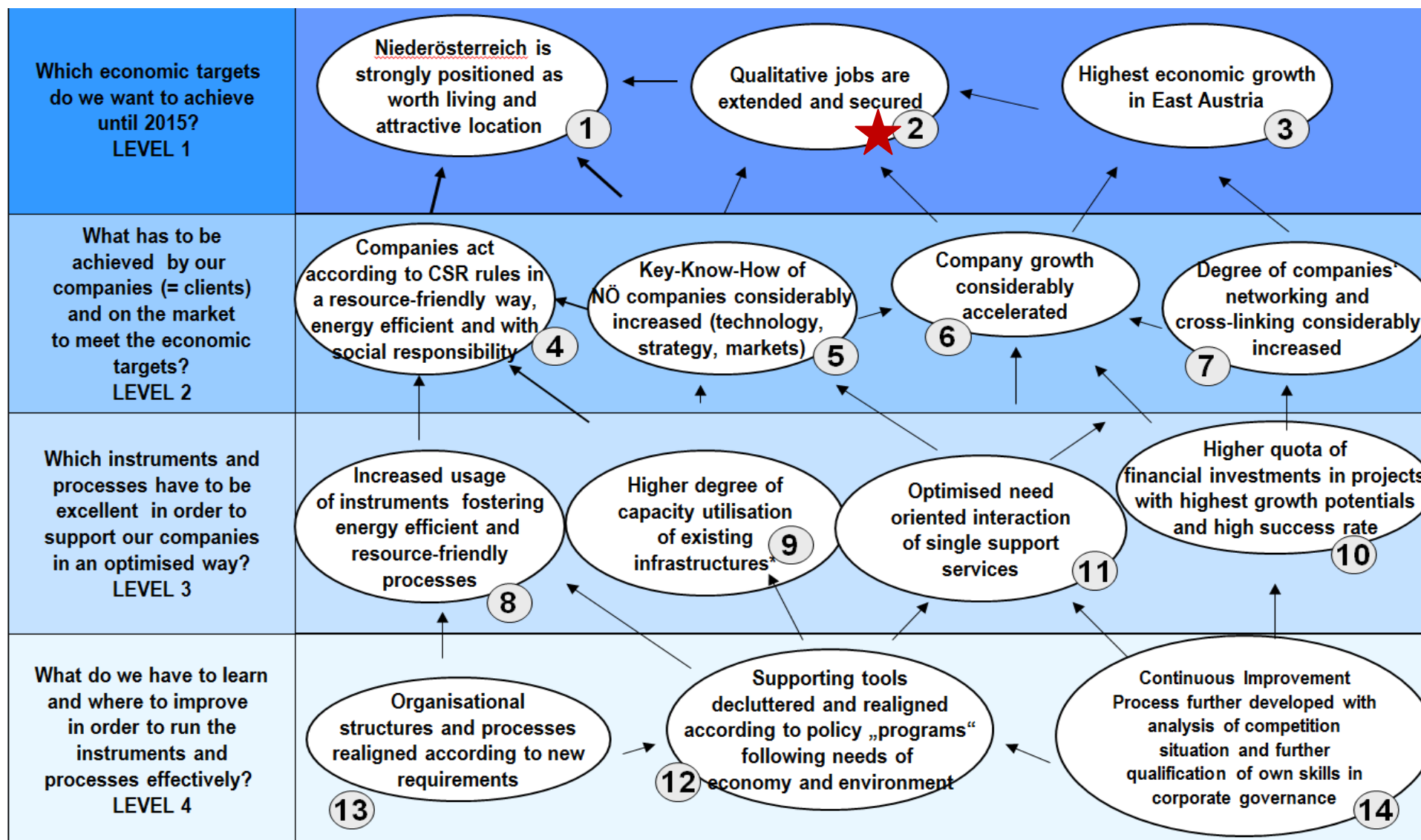
Concentration on schemes with high leverage effects

Changes: loans -> guarantees, grants -> loans, cancelations, ...

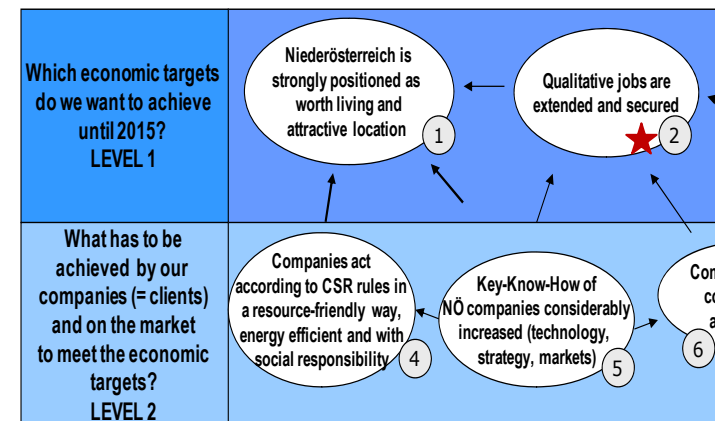
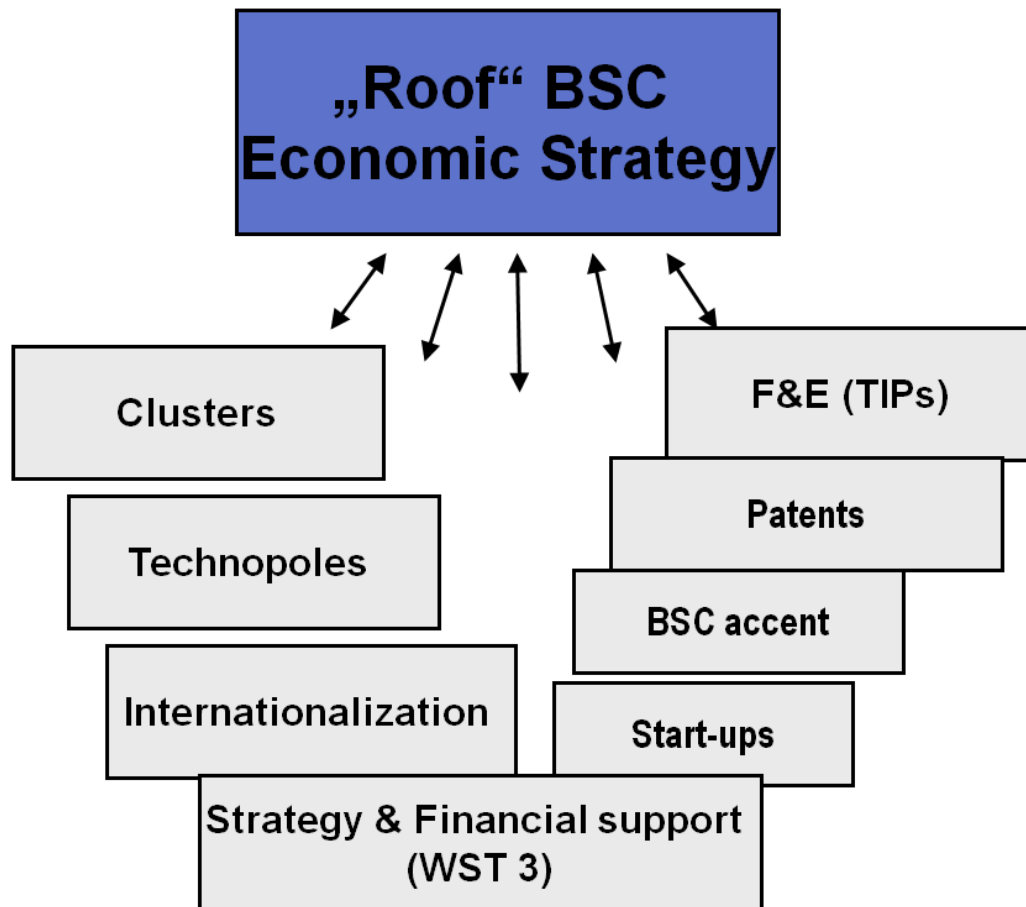
# RIS<sup>3</sup> - Monitoring and Evaluation



## Lower Austrian "Roof BSC" for NÖ Economic Strategy 2015



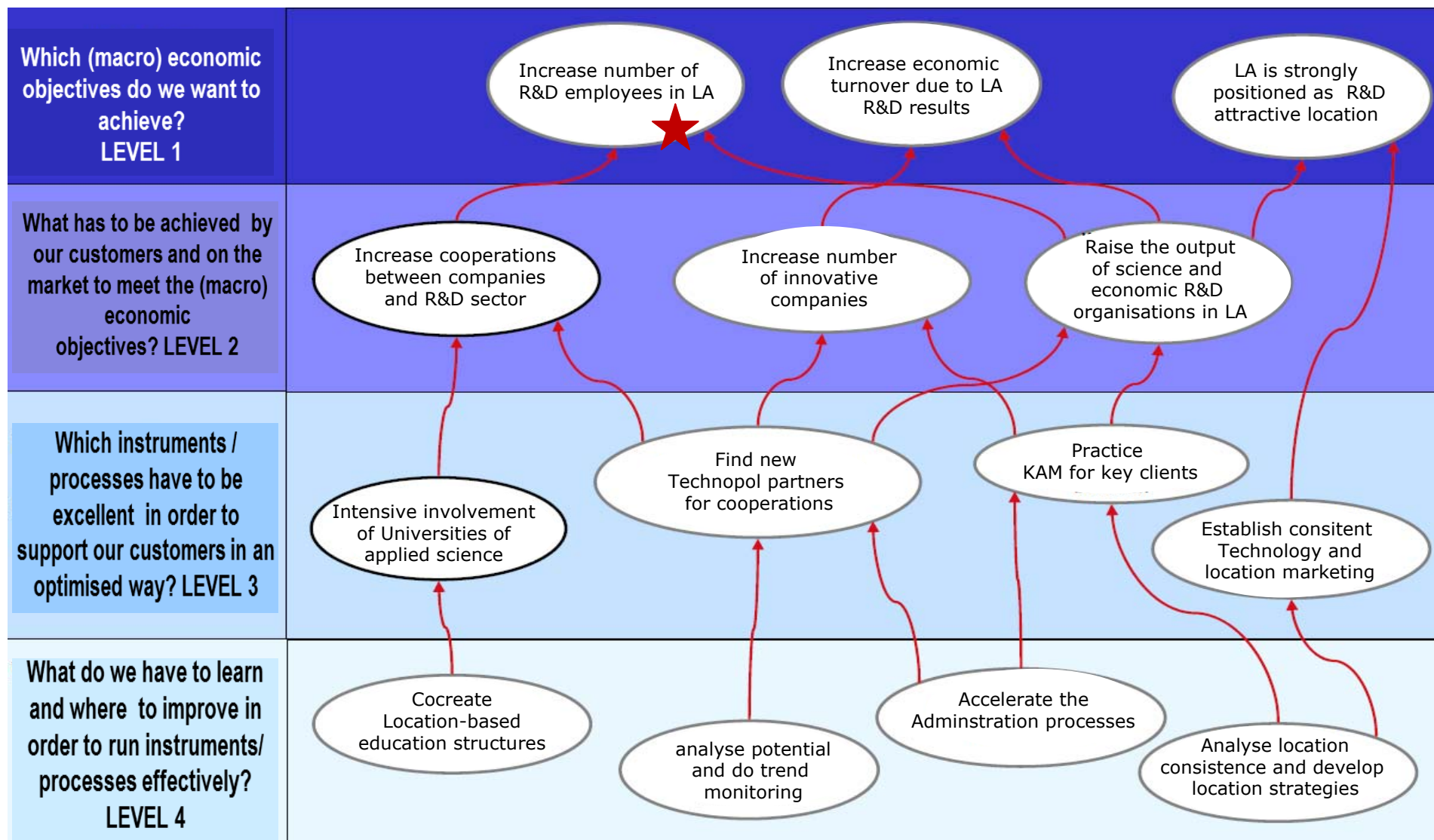
# Linking „Roof BSC“ with BSCs for single Policy Programs



Measurable indicators



# BSC Technopols





# Technopolprogram

- ▶ **Technopol Krems: Medical biotechnology**

focus: „regenerative medicine“

e.g, extra corporal blood-purification,  
tissue engineering, cell therapy, ICT -visual computing

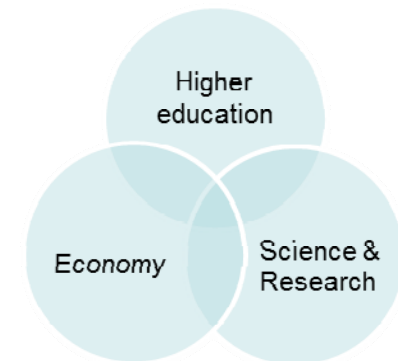
- ▶ **Technopol Tulln: Agro- and environmental biotechnology**

focus: plant- and animal-production, (bio)-analytics, natural materials  
technology, environmental biotech

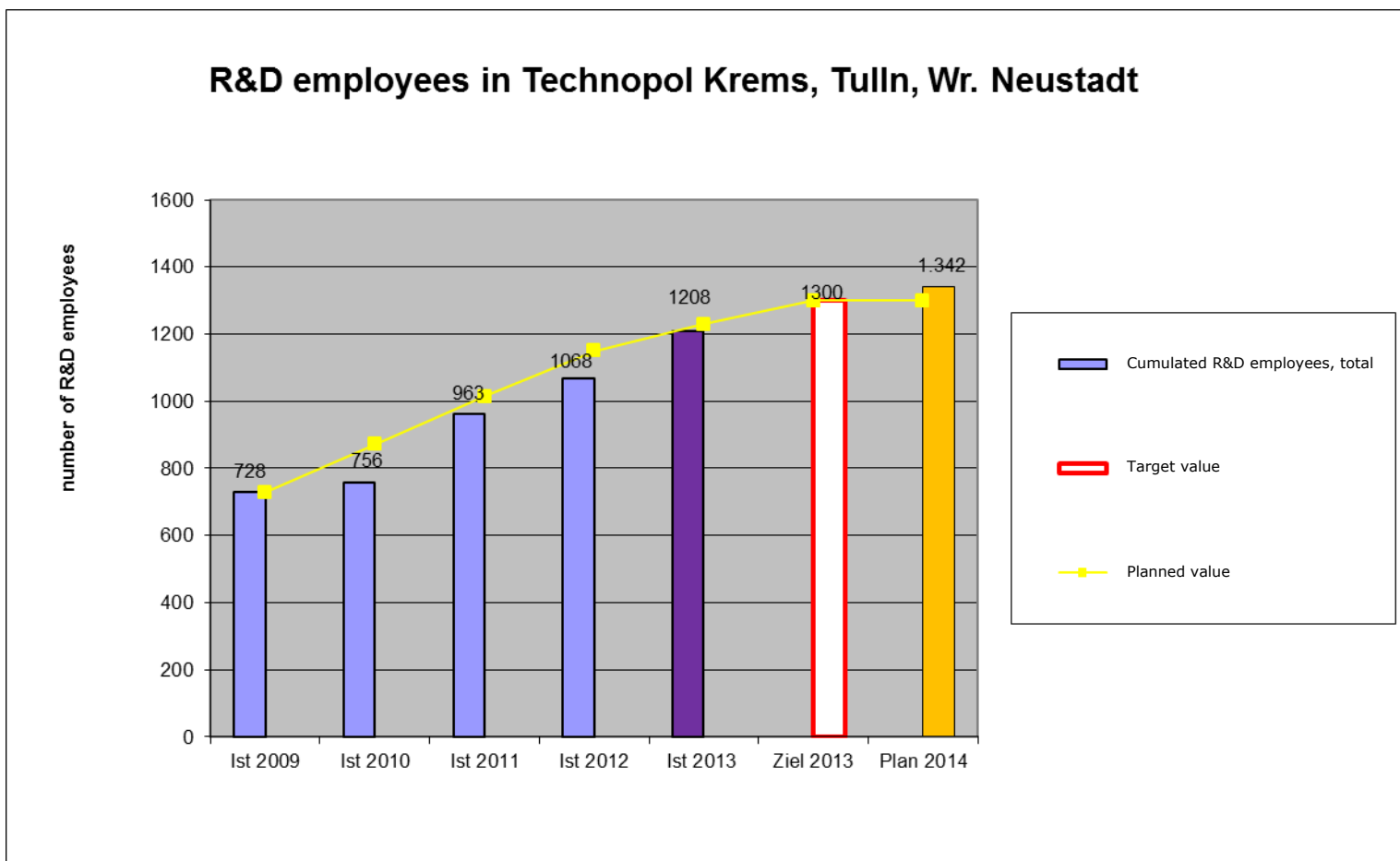
- ▶ **Technopol Wr. Neustadt: Medical and Material technologies**

focus: materials, sensors, tribology, medical-technology, surfaces

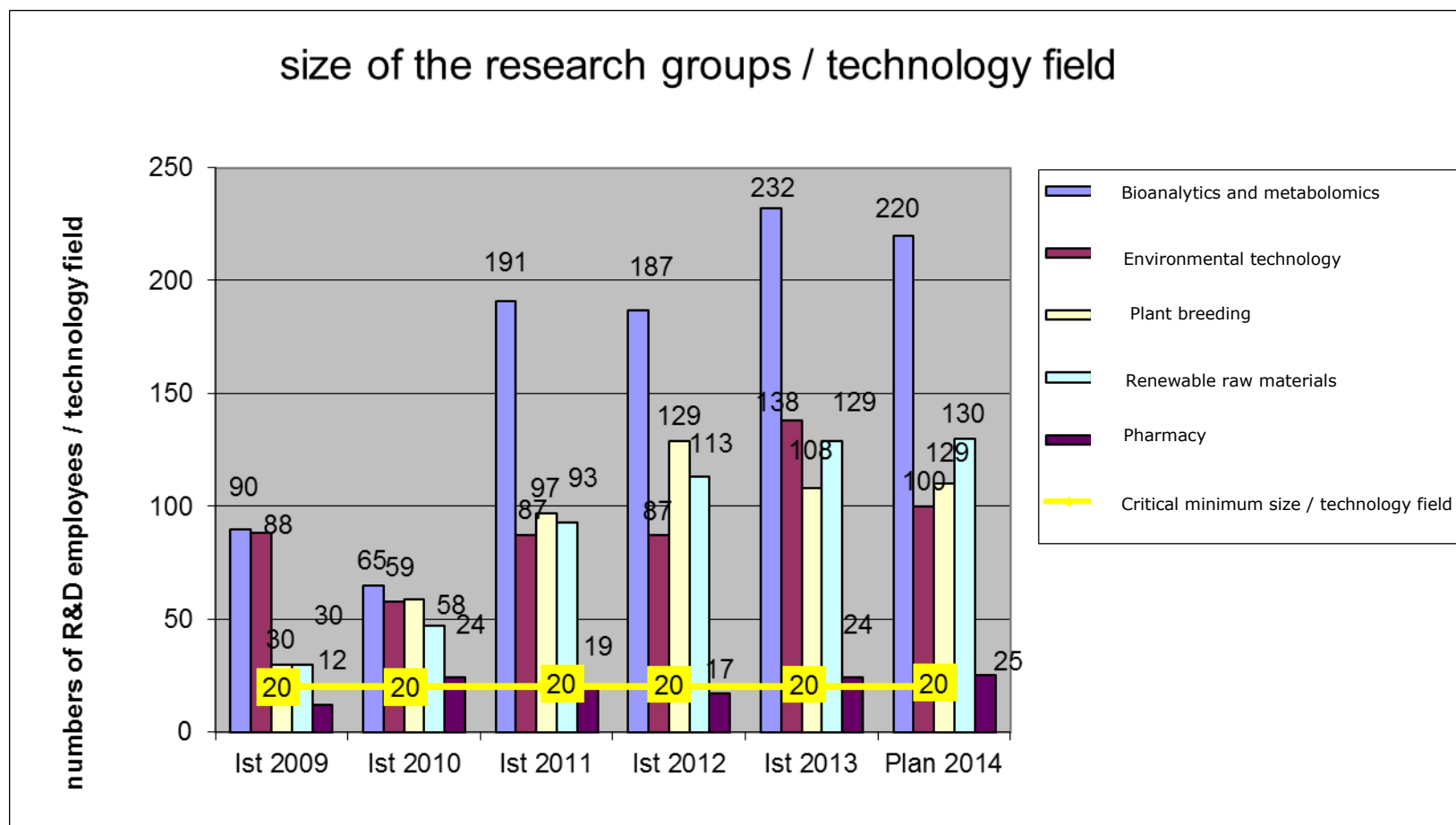
**R&D, university education and economy at one place with  
synergetic emphases (three column model)**



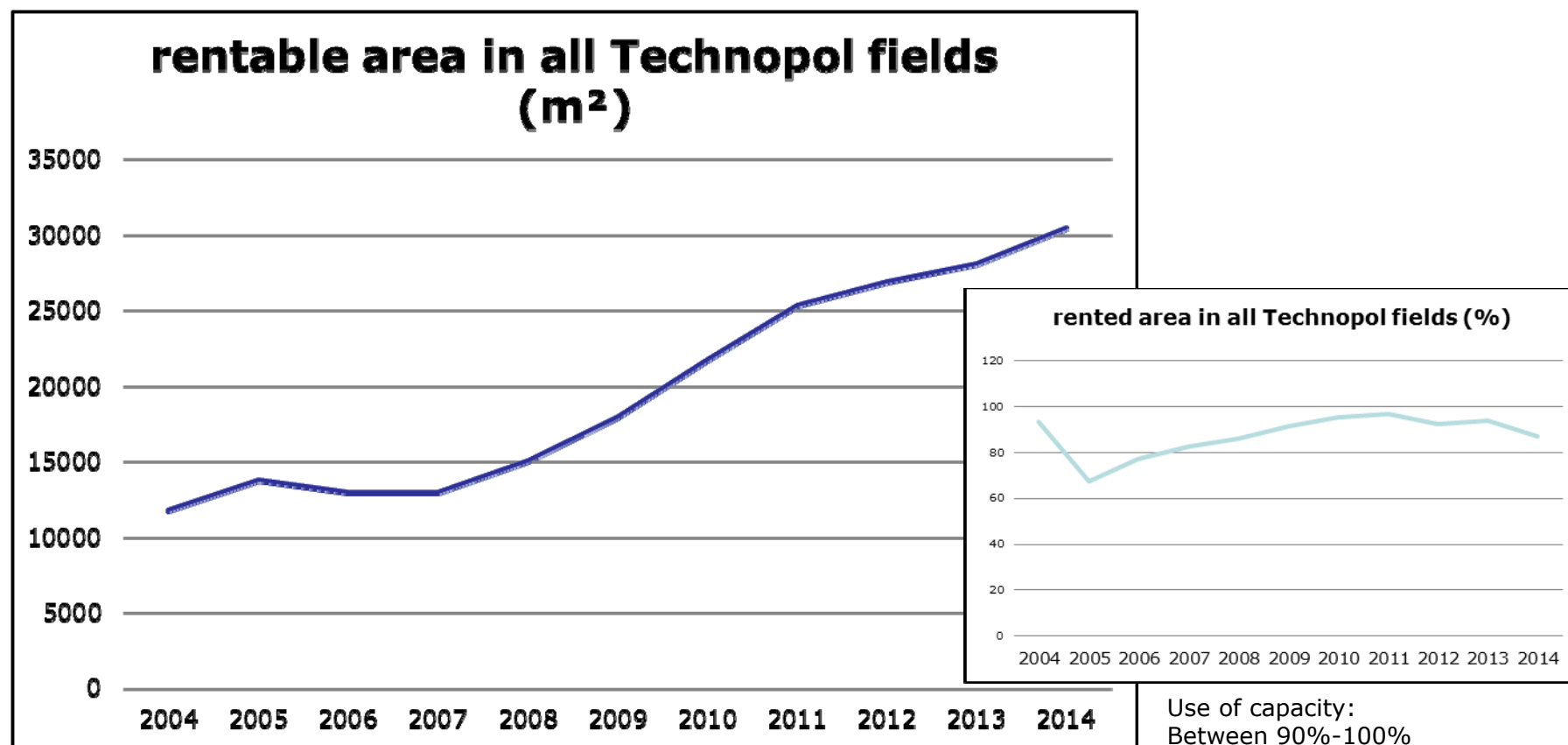
# Development of R&D employees in the Technopol locations



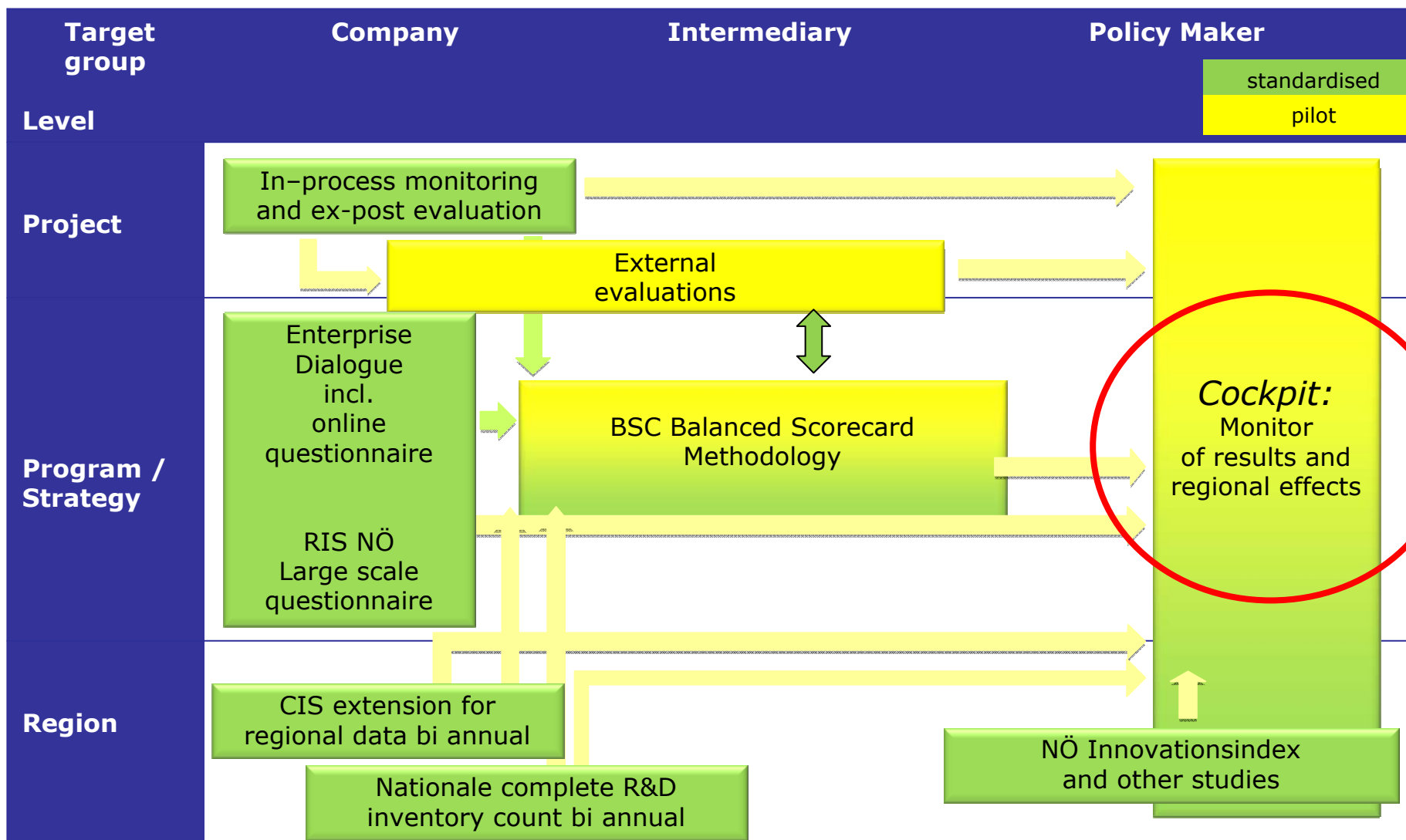
# Technopol Tulln: R&D employee development / technology field



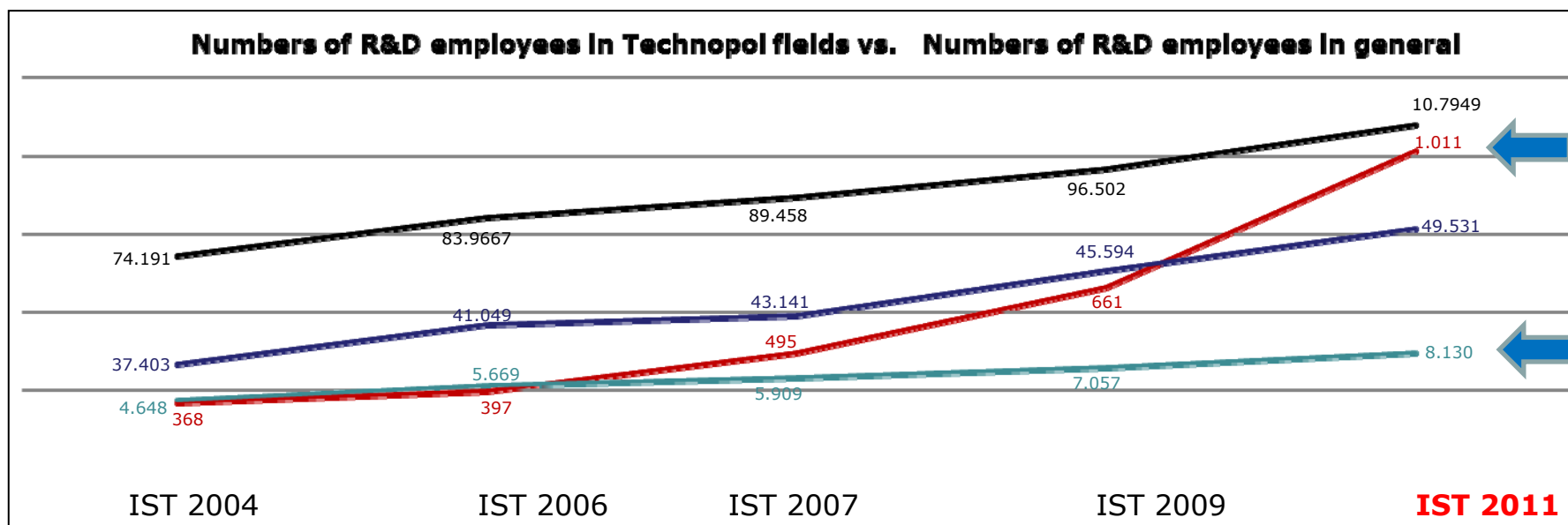
## Infrastructure: Rentable area in all Technopols in m<sup>2</sup>



# RIS<sup>3</sup> - Monitoring and Evaluation



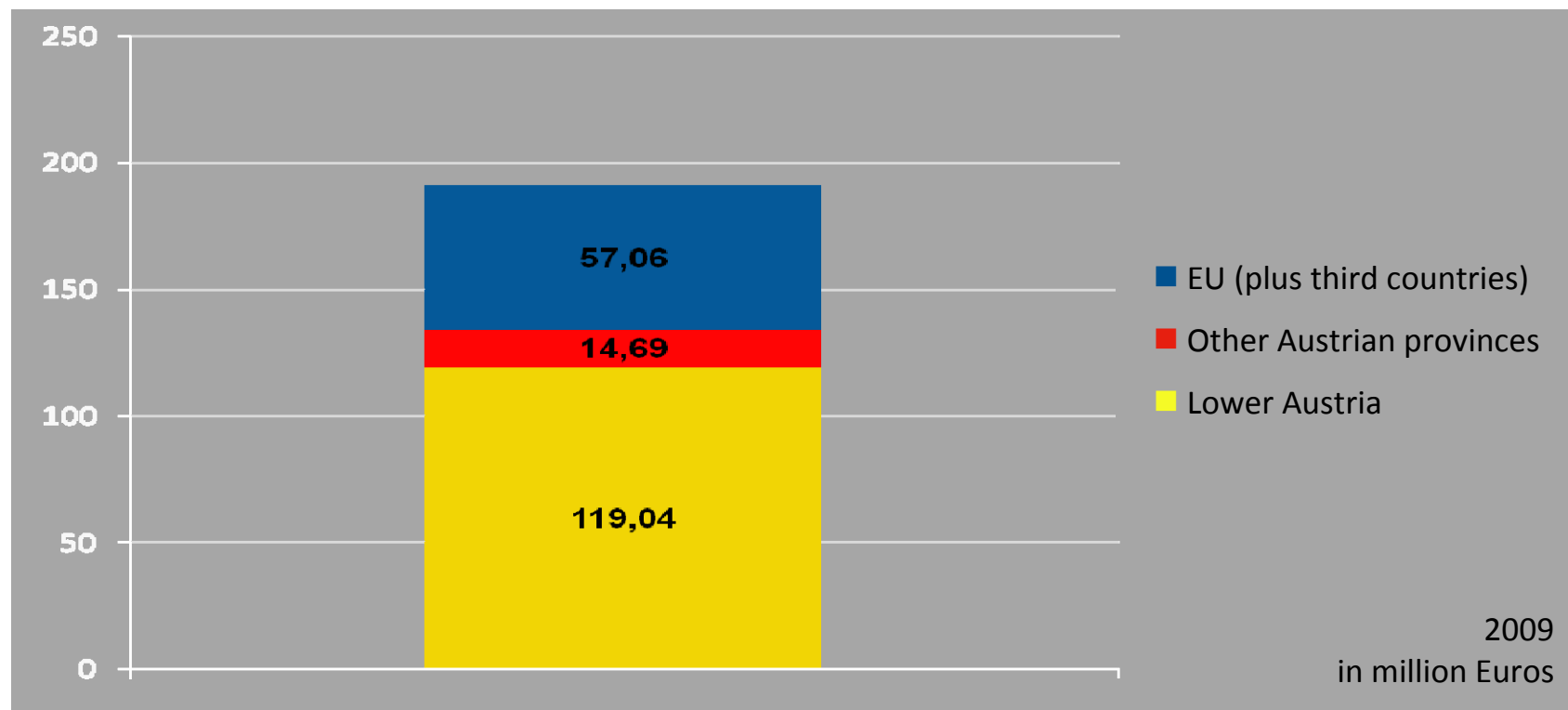
# numbers R&D employees in the Lower Austrian Technopol fields



	IST 2004	IST 2006	IST 2007	IST 2009	IST 2011
<span style="color: red;">●</span> <b>numbers of R&amp;D employees in Technopol fields, LA</b>	<b>368</b>	<sup>= IST2005</sup> <b>397</b>	<b>495</b>	<b>661</b>	<b>1.011</b>
<span style="color: teal;">●</span> number of R&D employees in Lower Austria, all sectors	4.648	5.669	5.909	7.057	8.130
<span style="color: blue;">●</span> number of R&D employees in East Austria, all sectors	37.403	41.049	43.141	45.594	49.531
<span style="color: black;">●</span> number of R&D employees in Austria, all sectors	74.191	83.966	89.458	96.502	107.949

## Example Scorecard Technopol – Measurable indicators

- ▶ Technopol: Overall Economic Effect - Gross Value Added



## Economic Effect - Structural Change Employees (excl. self-employed) by economic sector

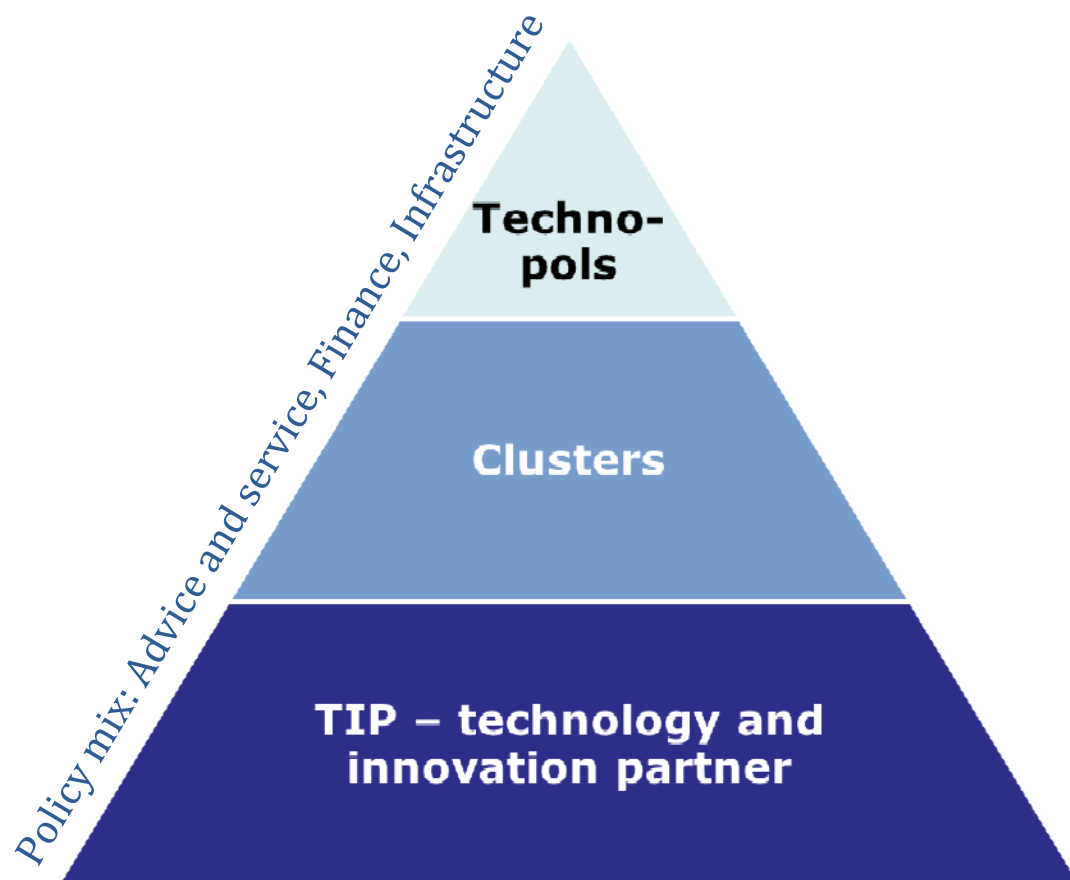
Change 2004-2009		All NÖ districts	Technopol districts
Total		9.24%	11.49%
A	Agriculture, forestry, and fishing	-2.43%	-3.81%
B	Mining and quarrying	13.86%	27.74%
C	Manufacturing	0.68%	1.36%
D	Energy supply	15.44%	7.99%
E	Water supply	23.41%	24.14%
F	Construction	2.28%	3.50%
G	Wholesale and retail trade	8.26%	8.89%
H	Transportation and storage	-2.11%	-1.44%
I	Hotels and restaurants	9.39%	14.83%
J	Information and communication	19.96%	20.59%
K	Financial and insurance activities	13.10%	15.89%
L	Real estate activities and industry related services	11.09%	17.96%
M	Professional services (scientific, technical)	23.84%	26.39%
N	Other services (administrative, support services)	22.30%	28.42%
O	Public administration	14.35%	15.72%
P	Education & childcare	31.71%	39.62%
Q	Healthcare and social work activities	15.20%	12.13%



## Conclusions: Example Technopol

- ▶ Technopols enhance **regional value** creation chains and networks
- ▶ Technopols support the **structural transformation** of the Lower Austrian economy
- ▶ Technopols promote the creation of a **knowledge-intensive economy**

# Lower Austrian Innovation Pyramid (S3 priorities) Changes



Innovation and Technology Centers:  
***3+1 locations***

Innovation - sector based:  
5 clusters:  
***2 clusters closed***

Innovation - territory based:  
covering the entire region  
and all companies:  
***more focus on market***



KNOW  
HUB



## Interreg IV “Regional Initiative Project“ **KNOW HUB**

**Enhancing the regional competencies in strategic  
management of innovation policies**

priority “Innovation and the knowledge economy”

[www.know-hub.eu](http://www.know-hub.eu)

# Partner



Adam Mickiewicz University Foundation, Poznan Science and Technology Park - Lead Partner (PL)



European Association of Development Agencies (EADA) (BE)



INNOVA Észak-Alföld Regional Development and Innovation Agency Nonprofit Ltd (HU)



Basque Government, Department for Industry, Innovation Commerce and Tourism (ES)



North France Innovation Development (FR)



Méditerranée Technologies, Provence-Alpes-Côte d'Azur (FR)



**Amt der NÖ Landesregierung, Abteilung Wirtschaft, Tourismus, Technologie (AT)**



Arbeitsgemeinschaft der Landkreise und kreisfreien Städte in Weser-Ems (DE)



Banská Bystrica Self-governing Region



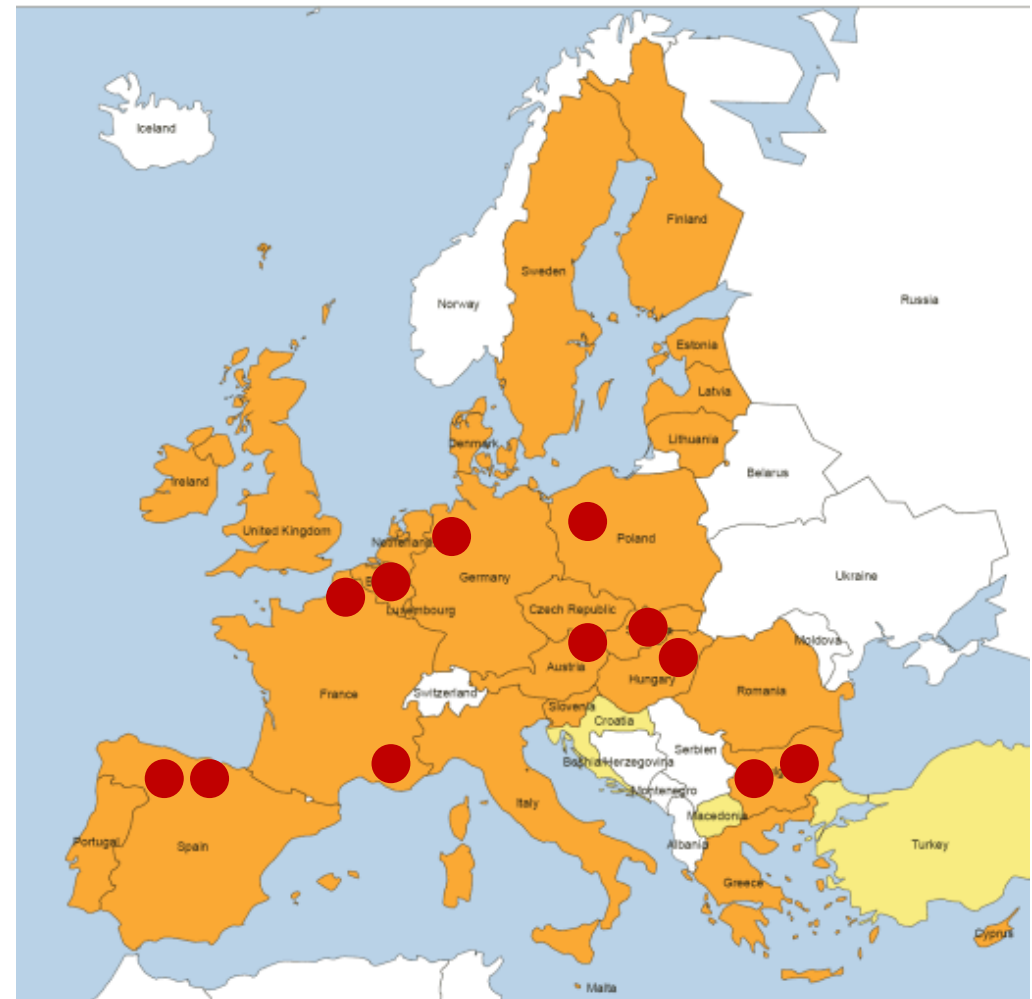
Castilla y León Regional Government – the Castilla y León Universities Foundation (ES)



Applied Research and Communications Fund Sofia (BG)



Municipality of Gabrovo (BG)



# About the KNOW HUB project

- **Main issues:**
  - „Regional Innovation Smart Specialisation Strategies“ – RIS3
  - Successful instruments of regional innovation policy
- KNOW-HUB bridges the gap of shortage of knowledge, skills and experience of European regions in designing and implementing smart and effective strategies for innovation.

[www.know-hub.eu](http://www.know-hub.eu)



# About the KNOW HUB project

The screenshot shows the KNOW HUB website interface. At the top, there are navigation links for Accessibility, Site map, and Go to Content. The main header features the KNOW HUB logo, the INTERREG IVC logo (Innovation & Environment, Regions of Europe Sharing Solutions), and the European Union logo (European Regional Development Fund). A yellow navigation bar contains links for Knowledge Base, Blog, About Know-Hub, and INTERREG IVC. A dropdown menu is open under Knowledge Base, listing Encyclopaedia, Documents, Good practices, and Videos. The main content area is titled BLOG and shows a list of articles with dates and titles. A sidebar on the left includes a Recent section with a text snippet and a Video section with a video player. On the right, there is a search bar, a login form, and a newsletter subscription form with a red arrow pointing to the newsletter button.

Accessibility | Site map | Go to Content

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Video

2013.12.18. GP - Balanced Scorecard - KNOW-HUB

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2014.04.30. | Business service sector  
Business Services will play a central role in the reindustrialization of Europe, both through the provision of innovative and productive services to other firms, and through the servitization of manufacturing.

2014.04.25. | Field experience as a RIS3 expert - by Christian SAUBLENS  
Being an external expert for the validation of the RIS3 process and advising the organisation in charge of the design of the RIS3 is an interesting and exciting task. Indeed, it allows one to offer outside views on its design and its content and to advise where to look at in order to find inspiration for doing things differently. It also allows taking part in brainstorming exercises to overcome bottlenecks. I had the privilege to work with the Canary Islands (ES) and Nord-Pas-de-Calais (FR).

2014.04.15. | KNOW-HUB Training in Bilbao  
Regional Innovation Policy in practice Training Session for policy makers and practitioners 1-2 April 2014

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Thank you,  
any questions?



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