

The Economic Effects of Technopols in Lower Austria



European Union
European Regional Development Fund

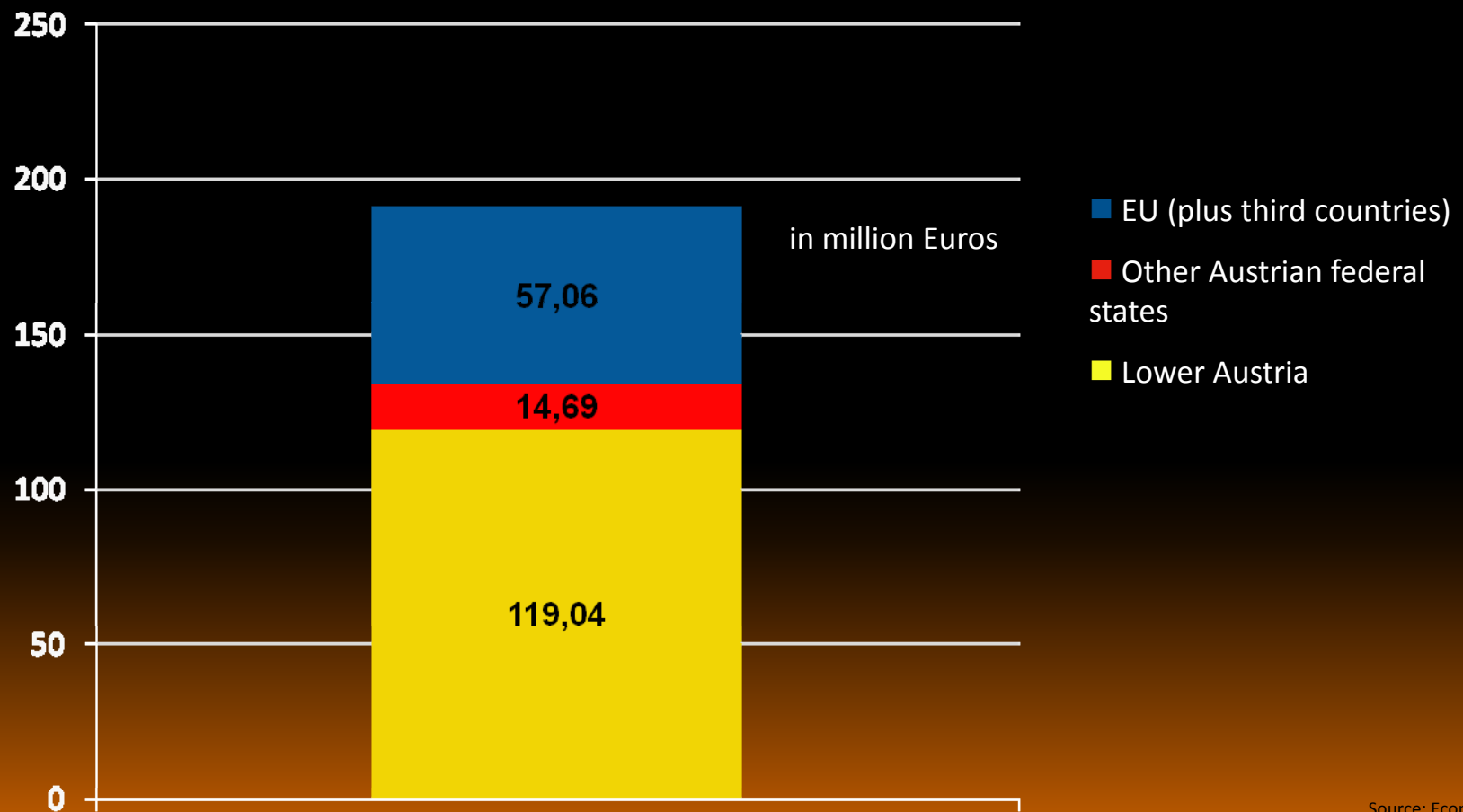


Agenda

- Focus on Technopols: facilities where education and research institutes cooperate with companies
- Structural change translates into growth dynamics
- Quantitative analysis of the economic contribution of Technopols
- Direct and multiplier (indirect and induced) effects on value added, employment, tax revenues and social security contributions
- Effects on structural change

Overall Economic Effect

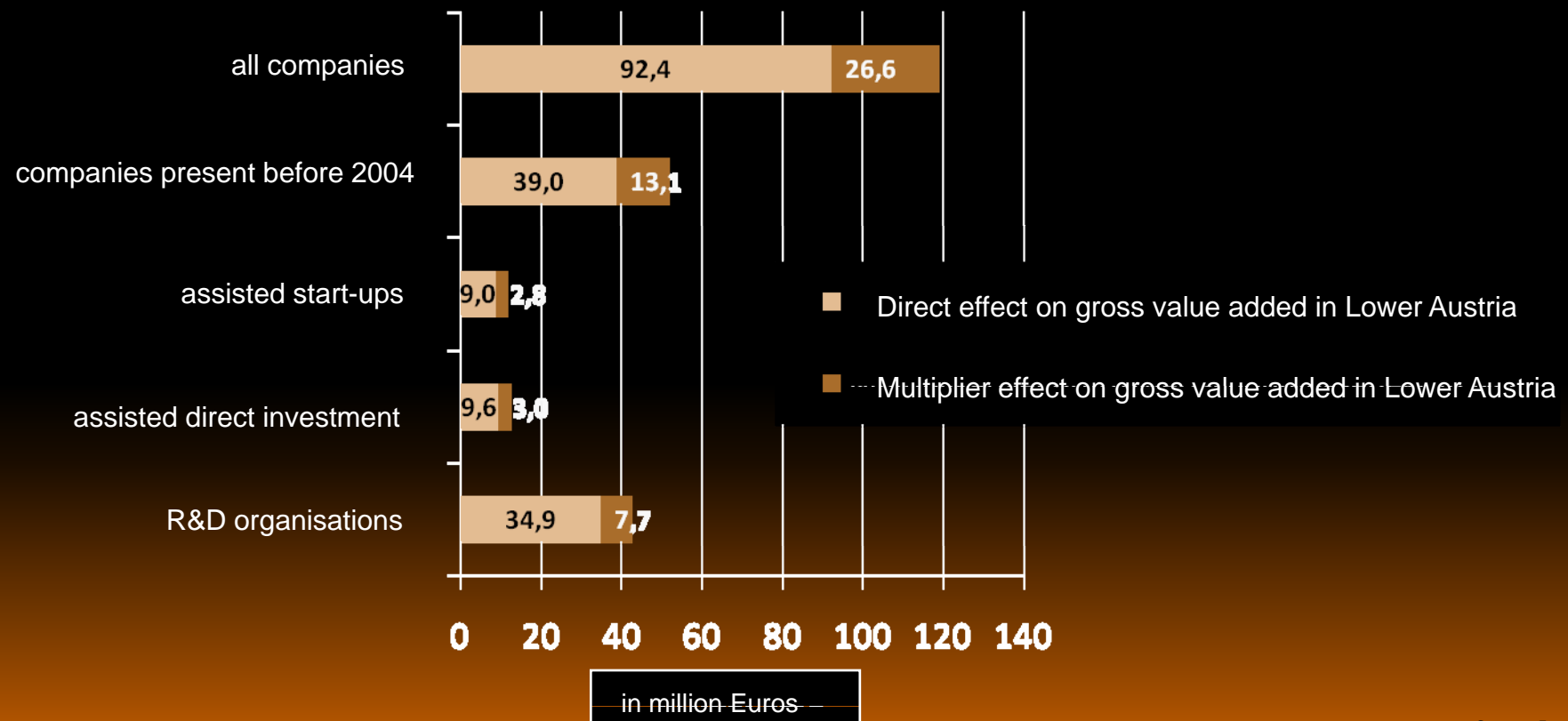
Gross Value Added



Source: Economica.

Regional Economic Effect

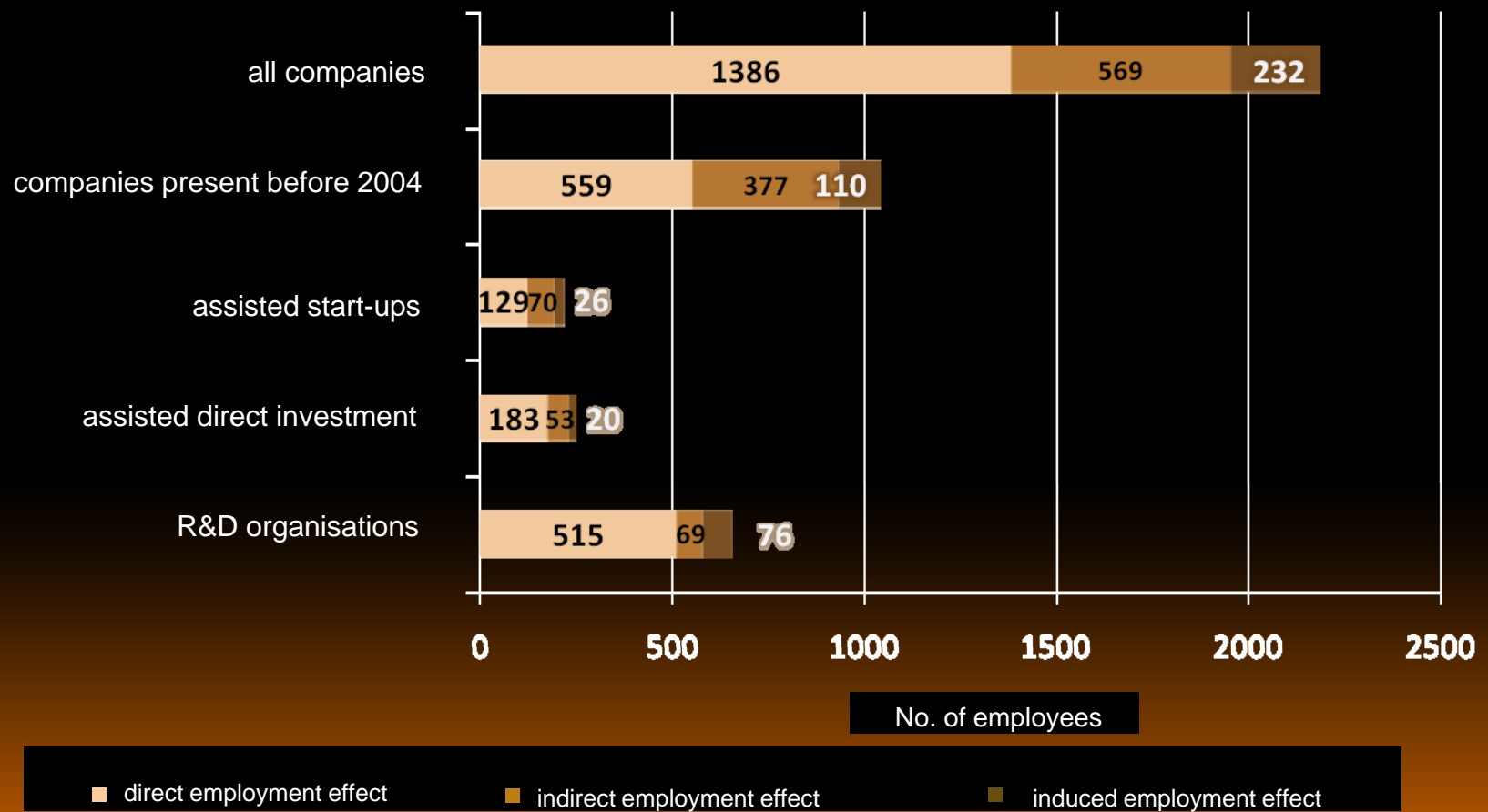
Gross Value Added, Lower Austria



Source: Economica.

Regional Economic Effect

Employment, Lower Austria



Source: Economica.

Overall Economic Effect

Tax and other revenues resulting from employment

- Taxes and social security contributions resulting directly from employment: €27.2 million
- Total tax and other revenues resulting from employment: €39.5 million

Source: Economica.

Business Creation Dynamics

Active businesses in Lower Austria

	2004	2009	Change
Commerce & Crafts	28,143	40,175	42.8%
Manufacturing Industry	2,256	2,324	3.0%
Wholesale & Retail Trade	44,113	44,970	1.9%
Banks & Insurance	1,192	1,206	1.2%
Transportation	4,910	5,394	9.9%
Tourism & Leisure	12,908	13,550	5.0%
Information & Consulting	13,481	16,282	20.8%
	107,003	123,901	15.8%

Source: Lower Austria Economic Chamber, Economica

Robust momentum across all of Lower Austria ...



European Union
European Regional Development Fund



Business Creation Dynamics

Active businesses in Technopol districts

	2004	2009	Change
Commerce & Crafts	4,697	6,978	48.6%
Manufacturing Industry	332	352	6.0%
Wholesale & Retail Trade	7,195	7,367	2.4%
Banks & Insurance	183	187	2.2%
Transportation	730	815	11.6%
Tourism & Leisure	2,143	2,213	3.3%
Information & Consulting	2,073	2,624	26.6%
	17,353	20,536	18.3%

Source: Lower Austria Economic Chamber, Economica

... yet Technopol districts are at the top of structural change!



European Union
European Regional Development Fund



Structural Change

Employees (excl. self-employed) by economic sector

Change 2004-2009		All 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	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%

Source: Public Employment Service Lower Austria (AMS), Economica

Zone of Attraction – Employees

IFA Tulln

- Density of employees drops according to $dist^{0.86}$
- Doubling distance → Density of employees decreases to 55%
- This is a particularly “flat” → Attractive location!

Conclusion

- 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

Contact

Economica Institut für Wirtschaftsforschung
Economica Institute for Economic Research

christian.helmenstein@economica.at

guenther.grohall@economica.at

Tel.: +43 (0) 676 / 32 00 - 401

Schottenfeldgasse 29

1070 Vienna

Austria



European Union
European Regional Development Fund

