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Automotive Cluster – West Slovakia

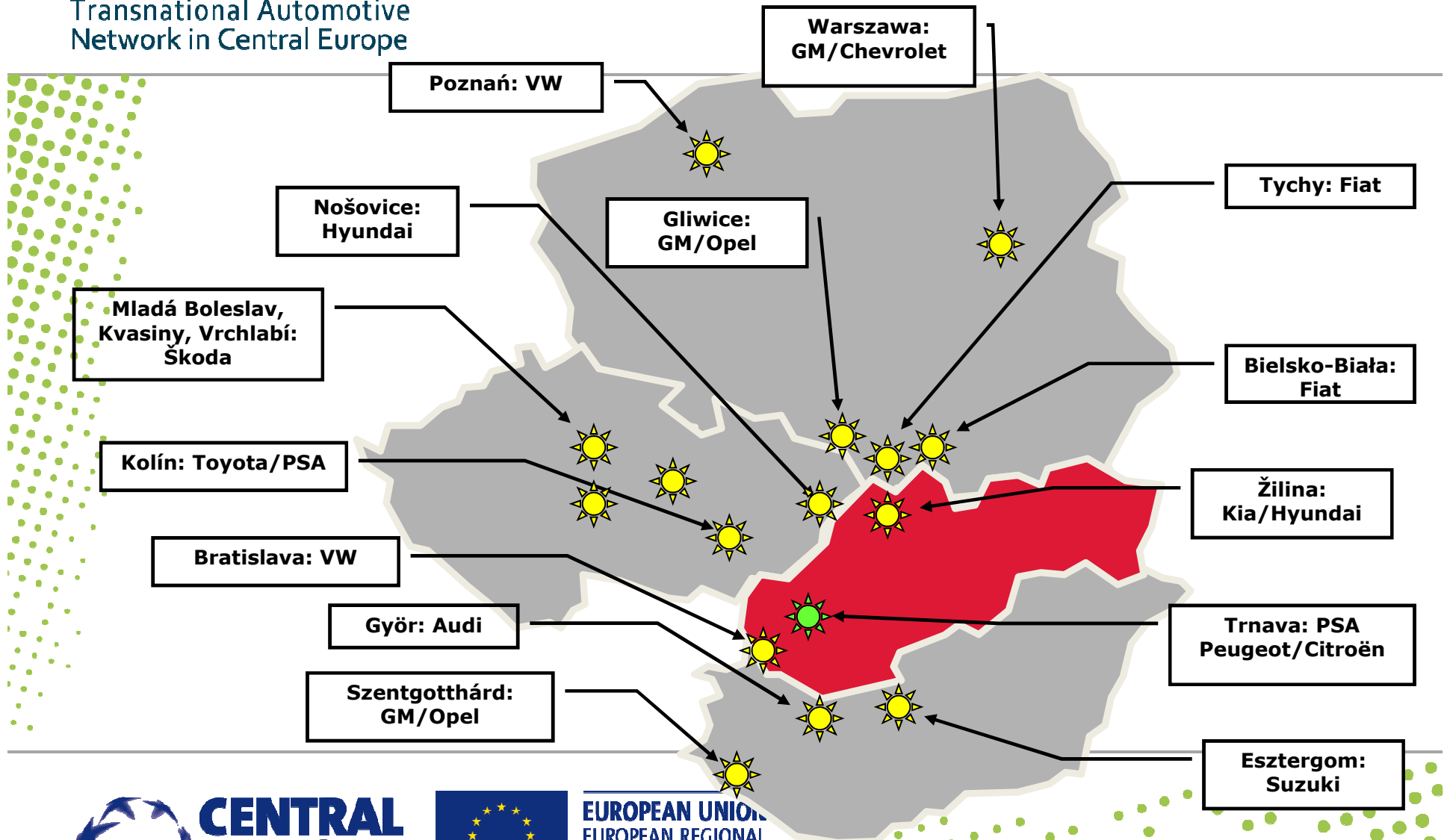
Practical Experience with our spillover

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www.autonet-central.eu



Transnational Automotive Network in Central Europe



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Slovak Automotive Ind.

- Three global car manufacturers (VW, PSA, KIA)
- More than 240 prod. components and parts
- 34% of total industrial turnover SR
- 36% of the total export industry in Slovakia
- Slovak AI employs about 68 thousand workers
- AI distribution network employs about 28 thousand workers
- The 2009 was produced 500 ths. vehicles





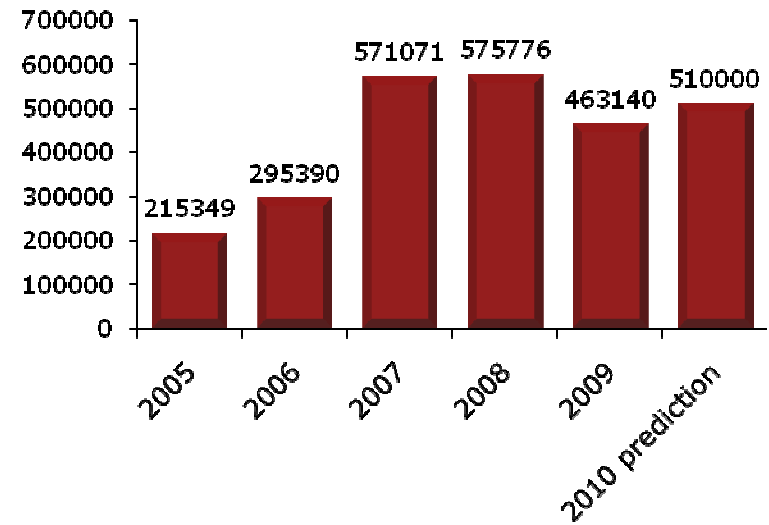
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Key Sector: Automotive



Full Capacity of 3 automobile companies
1,000,000 cars/year

Car Production in Slovakia



3rd Place
In the world in car production per 1000
INHABITANTS = 86 CARS

Source: SARIO, 2010



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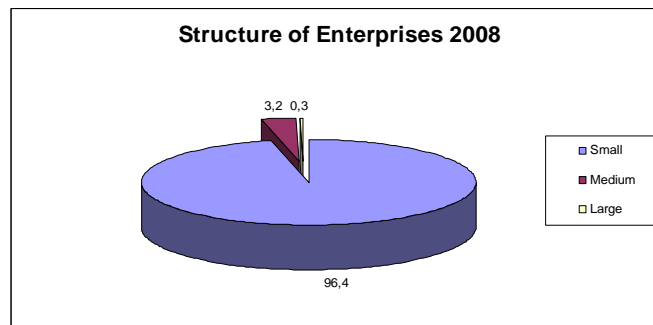
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Structure of Slovak Companies

Number of Employees	2002	2004	2006	2008
0 - 9	47 821	56 760	72 985	80 870
10 - 19	5 630	7 102	9 253	13 453
20 - 49	2 683	3 555	3 703	3 526
50 - 249	2 764	3 136	2 908	2 813
250 - 499	314	340	336	358
500 - 999	168	189	172	177
1000 & more	106	124	121	124
Total	59 486	71 206	89 478	101 321



- Small : 96,4 %
- Medium: 3,2 %
- Large: 0,3 %



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Slovak higher education in 2009

- 64 442 students enrolled in Slovak universities 1989
- **230 127** students enrolled in Slovak universities 2009 out of which:
 - **technical guidelines: 43 124**
 - daily study: 36 196
 - **graduates: 12 212, including 10 016 daily**

- **70 470 students graduated together**
 - external study: 34.38%
 - doctoral candidates: 4.75%
 - social science students: 59.2%
 - **students of technical sciences: 20.5%**



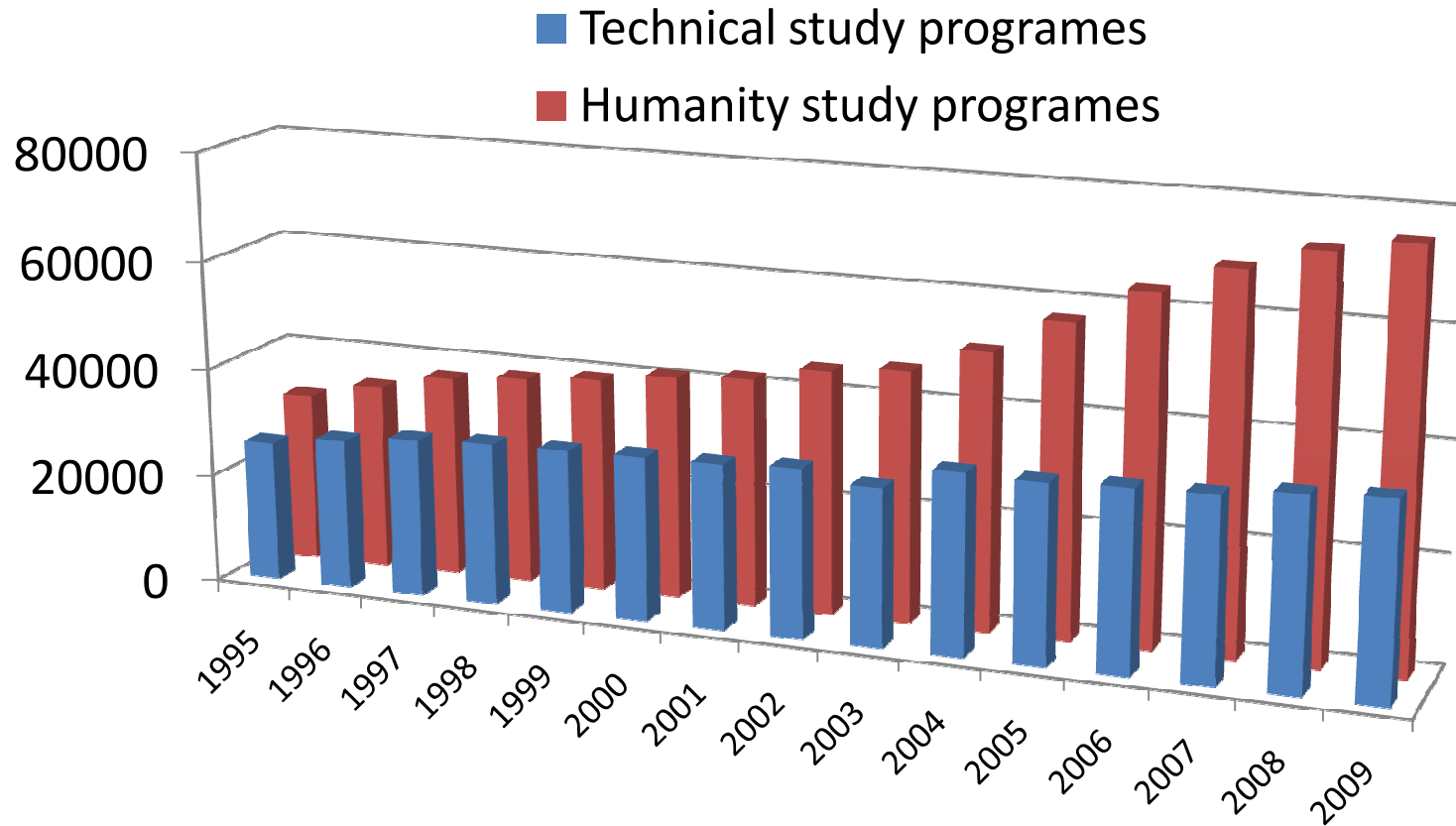
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Slovak Higher Education 1995 - 2009



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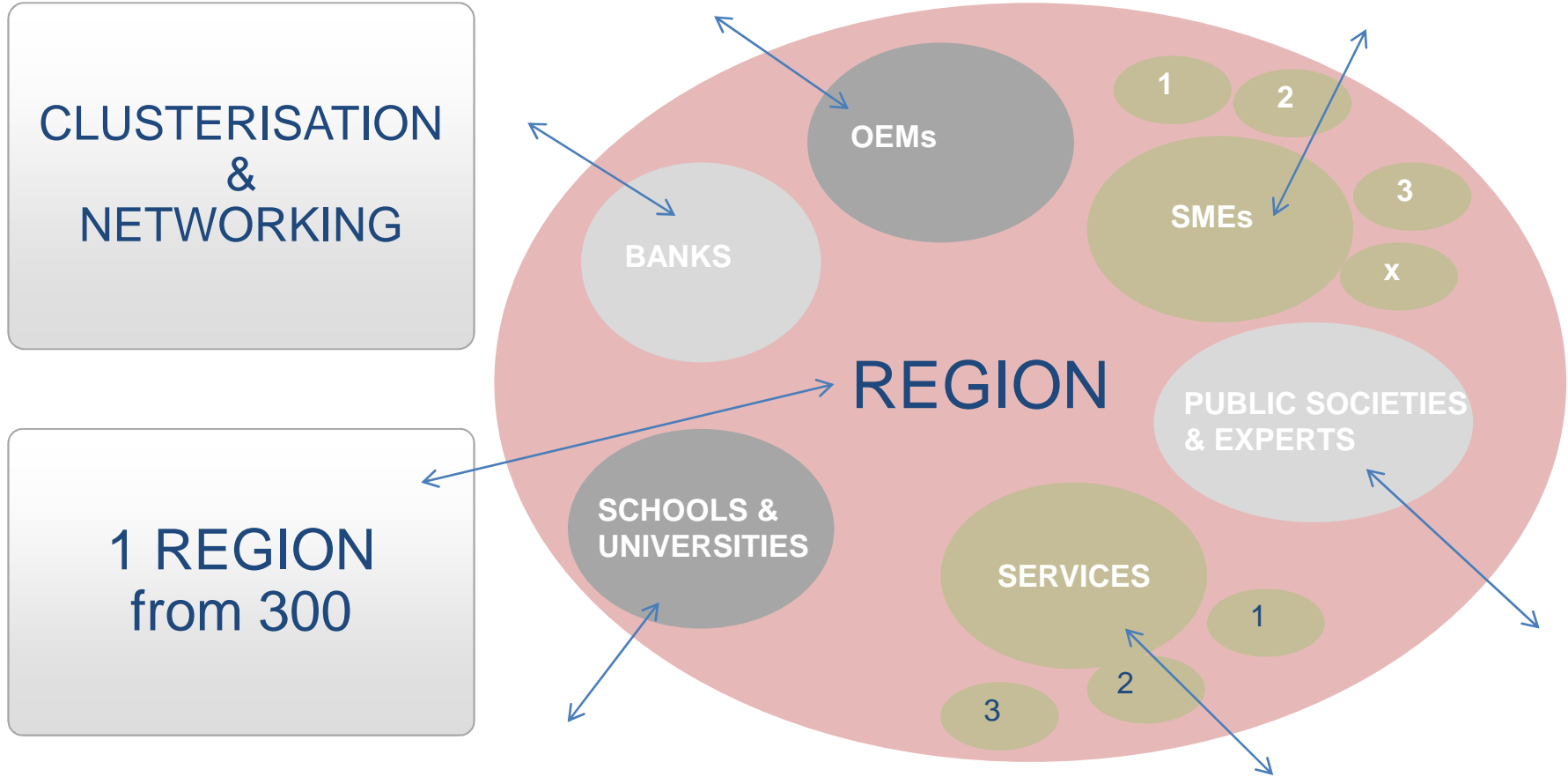
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Automotive Industry - Relations



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Cluster structure

Founding members



TRNAVSKÝ
SAMOSPRÁVNÝ
KRAJ



mesto Trnava

Associated members



S A R I O

Slovenská agentúra
pre rozvoj investícií a obchodu



Automotive Cluster – West Slovakia established on 23.11. 2007



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Setting the main goals

- Focusing on creating conditions for process innovations and sub-contracting for the Tier I and Tier II companies
- University - Center of applied development
- Education focused on practical applications and needs of the economy
- Building Centres for Technology Transfer in regions
- Forming a network of companies and universities, but also developing the cooperation in the technological impact range of 500 km
- Priority for the projects of EU - the benefits „for the economy“



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Our Goals

In an effort to support of Regional Government and City of Trnava, possible outlets were determined:

- Creating of conditions for building up technical infrastructure for development of technological processes in STU MTF
- Building of Industrial and Technological Park in Trnava for innovative companies
- International cooperation in EU - Automotive Industry
- Establishment of the permanent education according to praxis needs
- Process development in field of Plastics, Metal forming and welding, Assembling and Machinering



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Cluster Members



and more...



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Services towards members

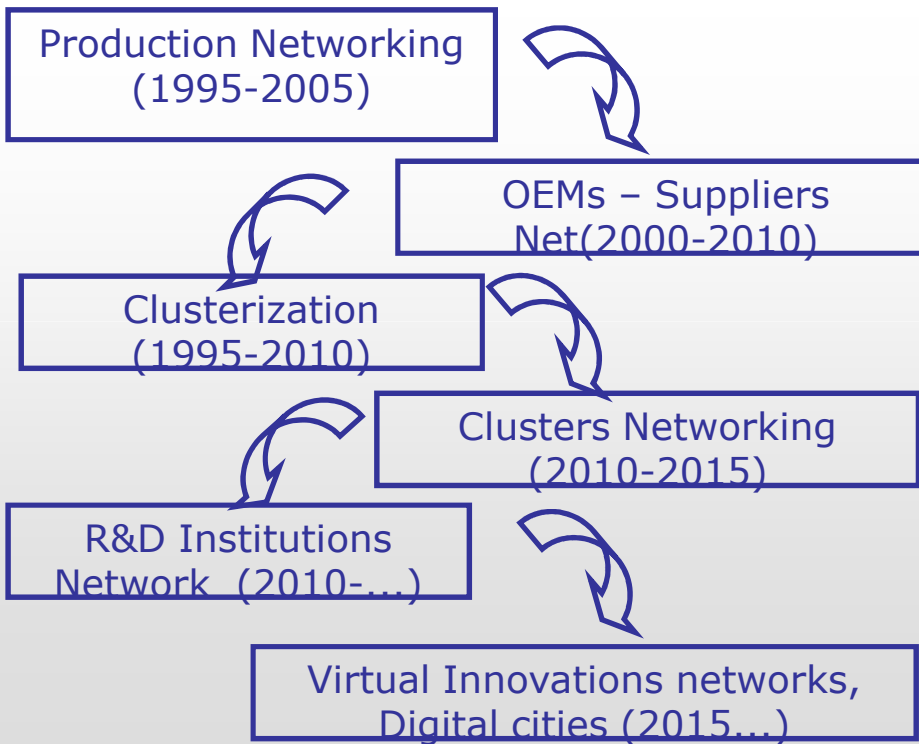
- Cluster meetings
- Member guidance
- Companies visits – exchange of experience
- International connections
- Business and contracting meetings of production companies
- Exhibitions
- Education
- Common purchase for companies
- Guidance in EU projects
- Preparation of project European internet business portal for the subcontractor sector of automotive industry.
- Support and lobby for cluster members



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Recent development of the Global Automotive Industry



The most significant progress:

- ICT + electronics
- Safety Technology
- Environmental technologies

The most important Competitive Advantage:

The ability to innovate

Zdroj: www.acea.be



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Projects

- Project „AC Centrope“
- Project „Autoplast“
- Project „Autoclusters“
- Project „AutoNet“
- Project SK – HU
- Project Industrial and
Innovative Park



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- Cross-border cooperation project AT – SK
- International Benchmarking Comparison of the Companies (SWOT)
- Contracting Meetings of Slovak and Austrian Companies
- Common Internet Portal and Networking
- Education for company's Employees:
 - Innovative Company
 - Certification of Lectors for the Secondary technical Schools
 - Project Management



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AUTO PLAST



- Crossborder cooperation project SK – CZ
- Building of „Laboratories for Construction and Simulation of plastics Forming“ in STU MTF and Accreditation of new study Programme „Plastics technologies“
- Education for companies and secondary technical Schools in the Region
- Creation of Conditions for the Development of Plastic Technologies
- Transfer of Experiences from plastic Cluster in Zlín and innovative Solutions for the Companies
- Exhibition plastic Producers in Autoshow in Bratislava and Brno



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Clusters without Borders

- Crossborder cooperation project HU – SK
- Hungarian and Slovak SME (small and medium Enterprises), Suppliers in automotive industry
- Project will organize [new forms of cooperation](#) based on partnership meetings, exchanges and joint-business events such as exhibitions, trade missions
- Creating of the database of SME
- Organizing conferences, suppliers days & participation on prestigious automotive exhibitions
- Organizing the business mission to Eastern trade market (Ukraine)



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- In constructing proces -10 mil. €,
- Start building from 11/2009 to 05/2011
- Lead Partner – the City of Trnava
- Aimed at innovative Companies specialized on R&D Implementation into the Companies
- Providing of prototype Production in Cooperation with STU MTF
- Area for sophisticated Production, production and technological Area
- Aim: development and improvement of technological processes



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Cooperation in South East Europe, from 4/2009 to 2/2012.

ACWS is a lead Partner for this Project.

- Cooperation of 11 Partners from 9 Countries in SEE, Sk, Slo, It, Cro, Serb, Bg, Ro, Hu, At
- Analyse Innovation policy in SEE in Automotive Industry
- Analyse Innovation Capacity in SEE /R&D, Universities, Companies/
- 3 Interreg Projects implementation in partners Countries: plastics, metal forming, electronics, or environments
- 3 new Project preparations for 7 FP
- Networking and Cooperation in SE Europe www.autoclusters.eu





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AutoNet



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- Innovations across the Central Europe, project of 9 partners from seven countries (D, Pol, CR, Svk, Slo, It, Hu)
- Common Policy recommendation for Education and Innovation Process
- MatchMaking activities to create innovative cooperation in automotive industry and MatchMaking Database Service
- Partner Cooperation and Innovation Activities, to improve regional services for automotive actors
- Transfer of best practices between the regions
- Clusters Networking in Central Europe (searching for innovative cooperation)



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The Web site shall one of the main instruments of project both **internal** and **external** information and dissemination of outputs and results.

The domain: www.autonet-central.eu

CE Match-Making Service as free public online service will be accessible via project website.





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Network Acting

Network marketing

Network Thinking

Network Organizing



Network Acting



„ **Network learning** " is currently one of the most valuable outcomes for firms that participate in networks that allow them to **develop** and **increase competencies in a flexible behavior.**



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Thank you for your attention...

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