

# High-Performance Computing for Effective Innovation in the Danube Region - InnoHPC -

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<http://www.interreg-danube.eu/approved-projects/innohpc>

# Why? Sometimes things just happen...

- FIŠ receives ERDF co-financed project new developmental centers **“Simulations”**, purchasing HPC and gaining competencies
- Development of ***EU Strategy for the Danube Region***, recognizing the need for more focused approach
- However, huge regional disparities!
  - East-West divide as sharp as it can be... equipment, competencies, brain drain
  - Failing policies, contributing to vicious circle of outmigration
  - Limited regional cooperation

## PARTICIPATING COUNTRIES



# What? High-performance computing for effective innovation in the Danube region

- HPC - is an emerging general purpose technology; it can improve framework conditions for innovation by drastically increasing effectiveness of innovation and reducing product development time.
- Main objective: creating transnational HPC Lab for co-designing knowledge-intensive innovative products with high value-added, in transnational value chains

# Partnership and roles

The consortium includes:

1. partners from most EUSDR countries, co incorporate context-specific knowledge about regional nuances to achieve robustness , transferability and durability of InnoHPC results;
2. academic and business partners with diversified and relevant HPC infrastructure and competencies for advanced use of HPC, from all parts of the Danube region;
3. regional and national policy-makers with role in innovation policy, entrepreneurship and technology transfer;
4. the business community, i.e. chambers of industry and a company;
5. ASP partners, ineligible but with specific competencies.

# For whom? Who are our target groups?

- Tier I and Tier II suppliers in ***automotive*** and ***electronic industry***, throughout the Danube region
- HPC competence centers
- Policy-makers and development agencies (reindustrialization)

# WP3: Regional HPC benchmark

- Cataloguing industrial absorptive capacity
- Cataloguing regional HPC capabilities
- Regional mapping – connecting supply and demand side

# WP4: InnoHPC Lab

- Designing InnoHPC Lab operational plan and services
- Designing and testing InnoHPC capacity building
- Designing sustainability and transferability tools



# WP5: Developing Web Platform

- Determining technological requirements and specifications
- Development of technological solutions
- User experience design

# WP6: Pilot projects

- Capacity-building learning interactions
- Pilot project automotive industry
- Pilot project electronic industry

**Thank you for your attention**