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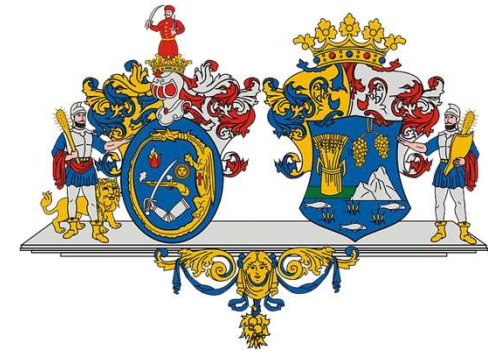
EXPRESS

Introduction to Hajdú-Bihar County

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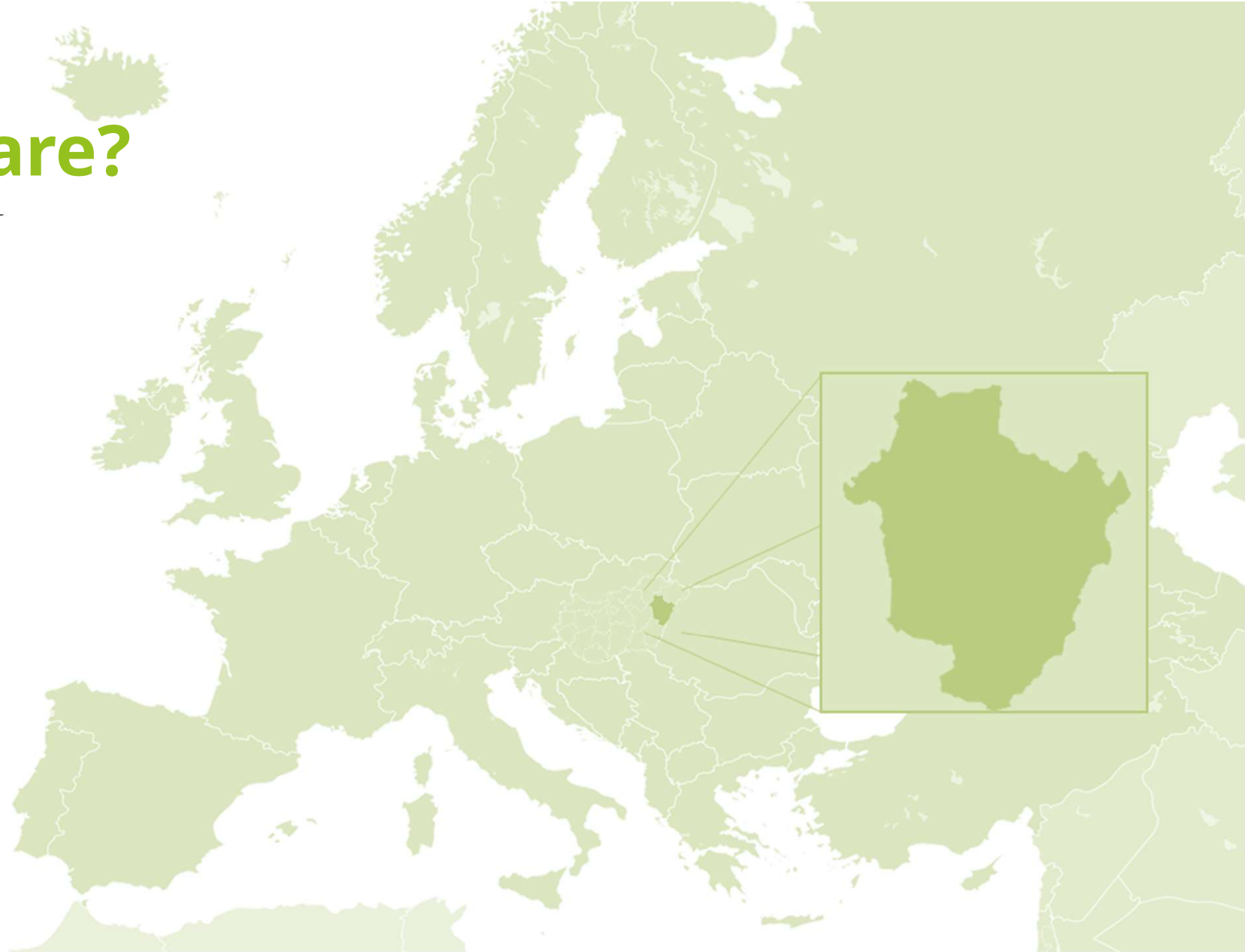
Hajdú-Bihar County Government

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Where we are?



Who we are?

Hajdú-Bihar County Government (HBCG) is a regional body responsible for **regional development**, spatial planning, rural development and coordination tasks.

HBCG works in strong and continuous **collaboration** with all relevant actors at national, regional and local level.

HBCG implements several **international activities** focusing on its development priorities.



Overseeing the interests of

PEOPLE

534 219 inhabitants



MUNICIPALITIES

made up of 82 municipalities

ORGANIZATIONS

Several types of organisations

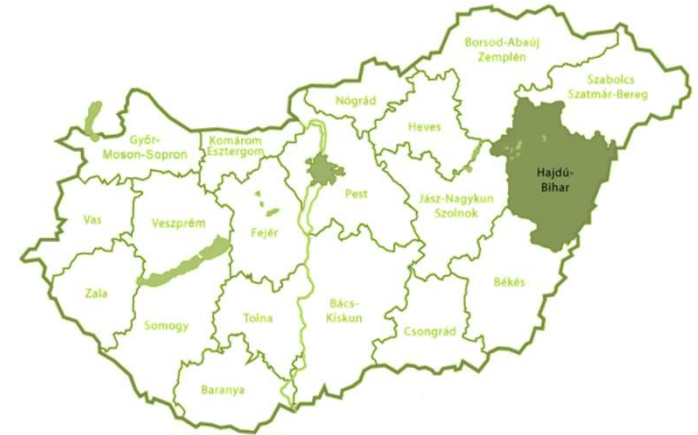


ENTERPRISES

18 800 registered enterprises

Hajdú-Bihar County

- Located close to the eastern border of Hungary
- Area of 6211 km²
- Capital of the county: **Debrecen**
- Favourable, bordering location
- Dual economic structure
 - **Debrecen** as a centre with university, high level services, multinational companies, innovation
 - **Rural areas** with massive agricultural potential (arable lands, fruit and vegetable production)
- HBCG:
 - Regional planning procedures, implementation and co-ordination of spatial development
 - Rural development (decision making, monitoring of programmes, cooperation with LEADERS/CLLD-s)
 - Sport, youth, minority issues



INTERNATIONAL projects 2014-2020

- **OUR WAY** (*Preservation and promotion of cultural and natural heritage through Greenways*)
- **EUREGA** (*European regions of gastronomy building resilience by protecting and stimulating culinary cultural heritage, creating new jobs and economic growth*)
- **Night Light** (*Improving regional policies to reduce light pollution and protect and valorise dark night skies*)
- **CLUSTERS3** (*Leveraging Cluster Policies for successful implementation of RIS3*)
- **PURE COSMOS** (*Public authorities Role Enhancing COmpetitiveness of SMEs*)
- **CitiEnGov** (*Cities for a good energy governance*)
- **DelFin** (*Development of Financial Ecosystems for the Promotion of Social Entrepreneurship in Rural Regions*)
- **HealingPlaces** (*Enhancing environmental management capacities for sustainable use of the natural heritage of Central European SPA towns and regions as the driver for local and regional development*)
- **RENATUR** (*Improving regional policies to better protect natural heritage of peri-urban open spaces*)
- **SinCE-AFC** (*Enhancing the Entrepreneurship of SMEs in Circular Economy of the Agri-Food Chain*)
- **LFC** (*Local Food Chains*)



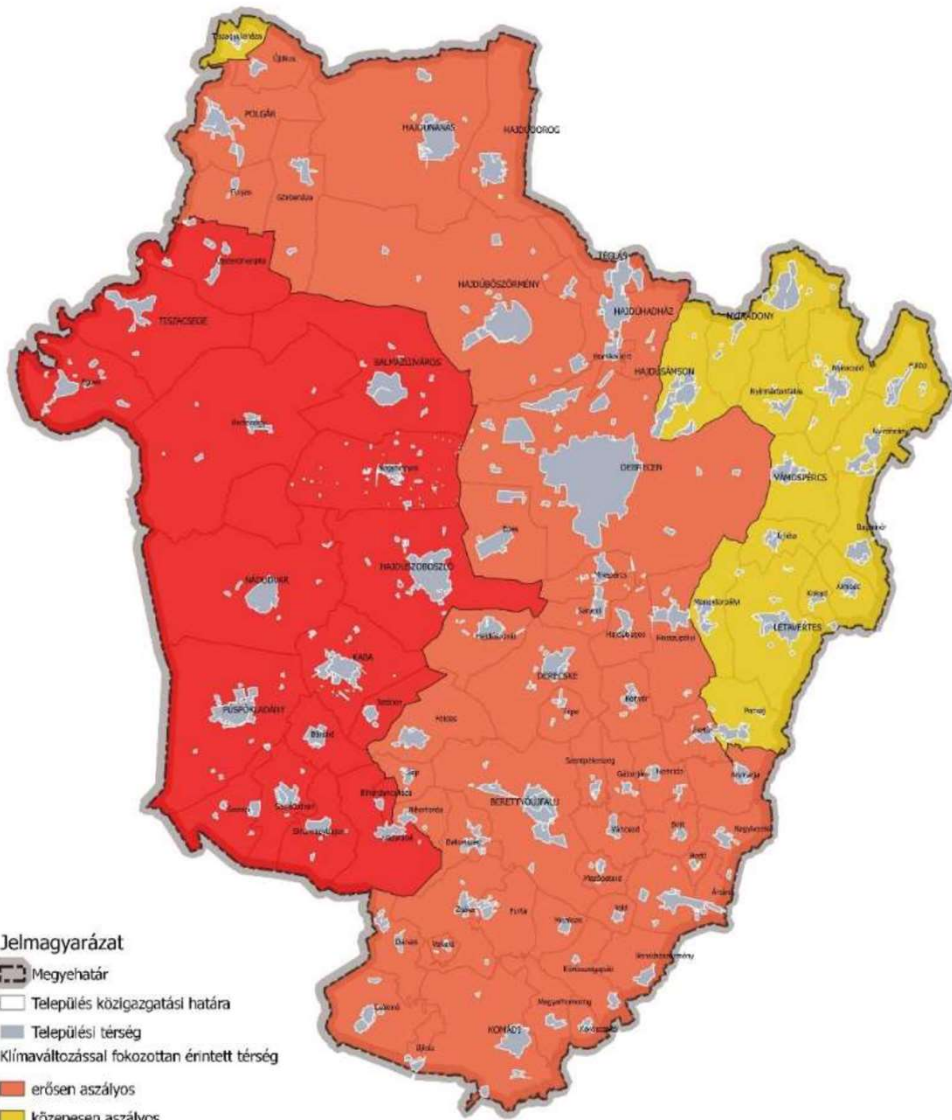
EXPRESS project's linkage to strategies and regional development work

One of the 5 strategic objectives of HBC: "Effective climate protection and adaptation in the county": to strengthen energy efficiency and the use of renewable energies and to ensure support for social adaptation programmes

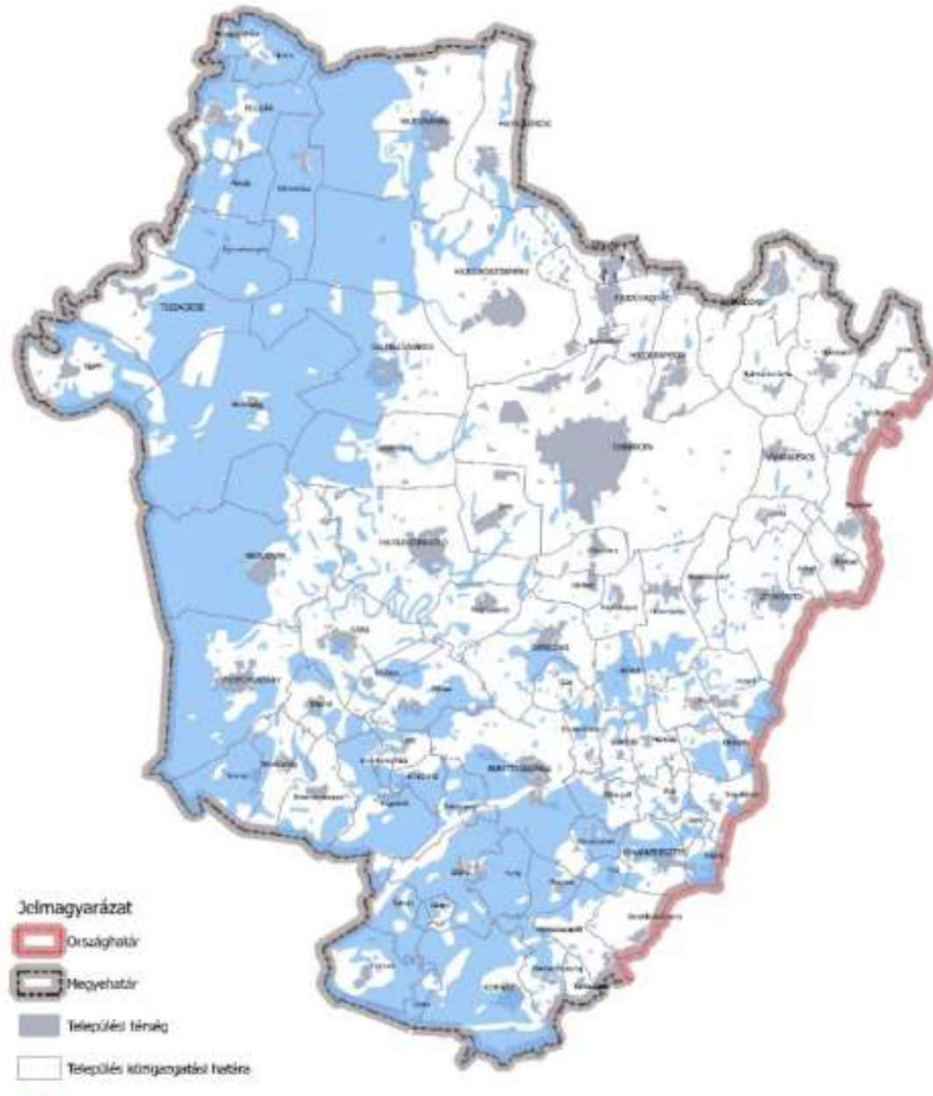
Priority 2 of the Regional Development Programme: ***Climate adaptation and climate protection in the county***

- 2.1 Improving the energy efficiency of residential and public buildings
- 2.2 Strengthening the use of renewable energy in the sector, increasing its share
- 2.3 Developing district heating systems by increasing the share of renewable energy sources
- 2.4 Incorporate renewable energy use in the energy upgrading of buildings
- 2.5. Creation of renewable energy parks
- 2.6. Establishment of municipal and regional energy communities and energy depots
- 2.7. Improvement of inter- and intra-municipal intelligent public transport, the transfer of the population
- 2.8. Climate-friendly development of road transport
- 2.9. Development of municipal climate adaptation facilities
- 2.10. Establishing a network of municipal and regional climate managers
- 2.11. Strengthening climate awareness through innovative awareness-raising tools using innovative approaches
- 2.12. Climate-adaptive, multifunctional land use, flexible use of plants and broad tolerant varieties



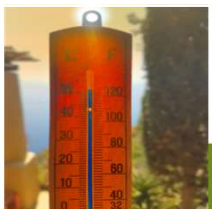


Zoning of areas affected by climate change



Regularly flooded areas (inland water)

Current situation



- Adverse effects of climate change to a greater extent than the national average (droughts, weather extremes, inland water)



- Strong need to change: residential, public and commercial energy use, transport, agriculture, waste management



- Climate efforts are strongly supported by the Climate Strategy

Biggest challenges

- necessity to increase the self-sufficiency of the county (62% of greenhouse gas emissions come from energy consumption emissions, with households and public buildings accounting for a significant share)
- applicable methods, new approaches, potential new structures and basically an overall guidance how to achieve such objectives at regional and local levels
- production and local use of renewable alternative energy should be promoted especially in disadvantaged areas



necessary to assess the extent to which the potential of the wider area is being exploited in the districts (solar, geothermal, biomass, etc.)



in which areas their use can be economically and environmentally sustainable



The south-western part of the is the most favourable area:
global irradiance can reach 1300 kWh/m²/year
Towards the north and east, this value decreases slightly, but
even in the worst areas it reaches 1 250 kWh/m²/year



Optimal biomass potential is available in the area, mostly in
agriculture by-products and to a lesser extent, from
herbaceous energy crops



Significant geothermal potential: 111 registered operating hot
water wells, of which 38 produce water warmer than 60 °C. A
number of barren hydrocarbon wells in the county have been
assessed as suitable for conversion to geothermal wells; there
are 30 exploitable barren hydrocarbon wells in the county, with
a probable water temperature of 90°C at depths of 1,400 to
1,600 m.



Knowledge and expertise to share, GPs



1

Earlier project experience
(CitiEnGov, HealingPlaces)

2

Energy Agency

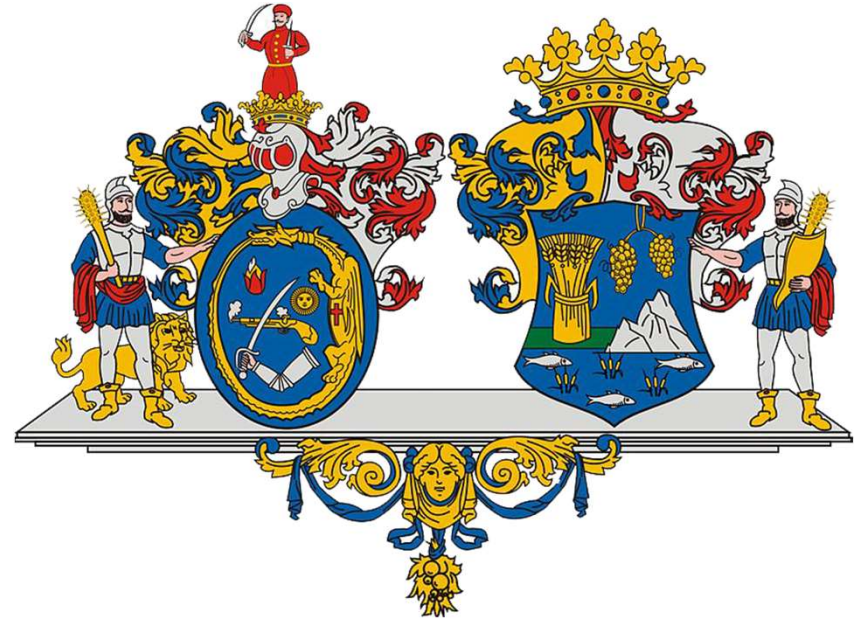
3

University of Debrecen

4

Thermal-Health Industry Cluster

Thank you!



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