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A.T.1.2:

Analysis of the business models and stakeholder management of  
renewable energy communities

***ANALYSIS OF BUSINESS MODELS AND  
MANAGEMENT OF ENERGY COMMUNITIES IN THE  
CONDITIONS OF THE SLOVAK REPUBLIC***

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Organizer:

**Tomáš Novotný, Ivan Kubek, Róbert Kati, Simona Novotná, Katarína Koporová**

**PP12 National Energy Cluster NEK, Bratislava, Slovak Republic**

# The current state of development of management and building EC business models in Slovakia:

1. Compatible (with EU legislation) and relatively comprehensive and extensive legislation in the field of energy, environmental studies and the organization of energy operators (energy networks, distribution lines, producers based on conventional and renewable energy sources)
2. Established practice in cities and towns in the operation and accounting of energy consumption with uniform principles.
3. Establishment of energy communities based on 3 principles:
  - they are owned and controlled by consumers - municipalities or SMEs
  - they are open to everyone and participation in them is voluntary and everyone participates in management
  - they focus on environmental and social benefits for their members and not on profits

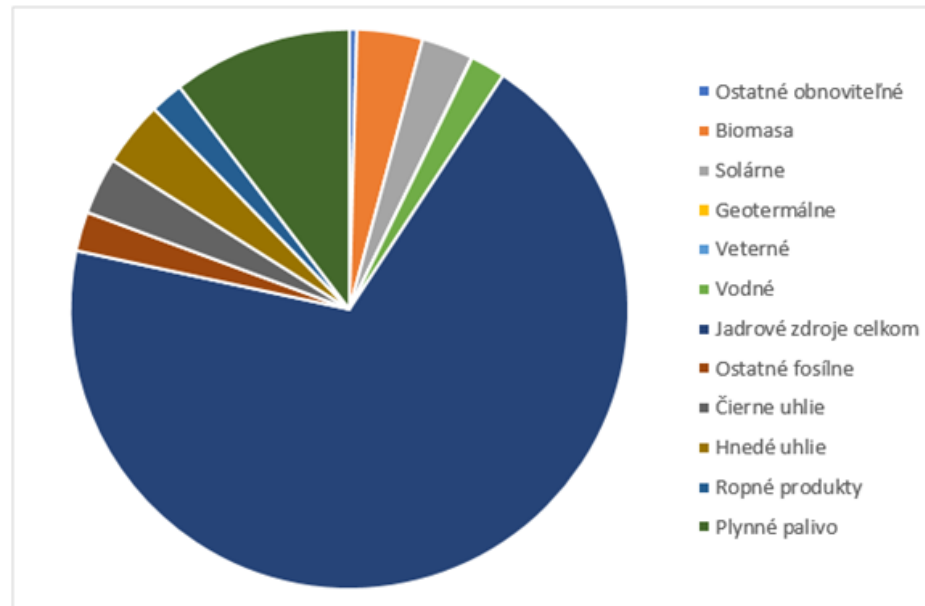
ECs are being built in Slovakia as local, local, regional/national

ECs are perceived as non-profit organizations and managed by elected bodies according to the Organization's Statutes and specific conditions

- **Funding support, in addition to the creation of own resources from the provision of internal energy distribution and production services within the EC, has recently also been provided by EU resources within the Slovakia Program and the Recovery Plan (consequences of the Covid pandemic), the SIEA scheme "Green by business" and vouchers for EC members for financing photovoltaics, solar collectors, etc.**
- **ECs in Slovakia, as non-profit economic units, are obliged to submit annual financial statements after the end of the accounting period and submit annual reports to the national register of annual reports and, if they also have income from business, tax returns**

Due to only the initial phase of development and establishment of the EC, these contribute only to a small extent to the Slovak domestic energy mix, according to a qualified estimate, approx. 1-1.2%. This is mainly EC in the form of various housing associations, linked to industrial producers in cities and towns in the area of RES.

The current energy mix with a view to 2030 can be simply



Color spectrum of narrow fields - RES (biomass, solar, wind, geothermal)

Dark blue large field - nuclear energy

Light blue field - petroleum products

Brown field - coal-based fossil resources

Dark green field - gaseous fuel

**The distribution and storage or production of energy in the current state of development in Slovakia is actually only in the beginning, but several integrated business and implementation projects have already been developed and approved, and from July 1, 2024, the range of possible methods for calculating sharing will be expanded using the dynamic method of monitoring and co-participation - operated on the functioning of EC. The main problem for many years was ensuring the stable operation of the transmission system and the degree of local involvement of the EC in it.**

SEPS issued the conditions for the procurement of support services and the rules for EC participation in them and requires that ECs pass the conditions for procurement and involvement in energy network services in Slovakia within the qualification phase of their competence.!

Today, it is not possible to talk about a typical Slovak model of management and distribution within EC management, so only well-known and adapted models for process management of management in SMEs and industrial energy cluster groupings are applied.

**According to the major amendment to the Act on Energy of the Ministry of Economy of the Slovak Republic (MH SR), from 2022, the rules of the electricity market in Slovakia already form the basis for the development of the activities of new participants in the electricity market, such as energy communities or communities, operators of electricity storage facilities, active customers , etc.**

**A special contribution in the framework of building information, technical and theoretical databases and EC is the creation of the National Platform of Energy and Environmental Clusters and Associations in 2022, in which 8 significant regional and national organizations have joined today in Slovakia**

## **SUMMARY OF DEVELOPMENT STATUS:**

- **The working group of partners for task A.T.1.2 states that it has all the necessary presentations from partners**
- **The composition and summary of results and findings from individual partners is prepared in a common central table, which will be corrected and provided to all participants of the NRGCOM project in this role.**

## TASKS AND DEADLINES FOR THE NEXT PERIOD:

1. NEK, as the guarantor of the task, prepares a joint document and an overview of the set of all presentations and all filled-in data from table A.T.1.2, prepares a final report, **by date 20. 05. 2024**
2. NEK sends all partners a summary of their results in a common central table **by date 20. 05. 2024**
3. NEK prepares a final report and sends it to other partners for comments and suggestions for additions **by date 31. 05. 2024**

With gratitude

**National Energy Cluster NEK**

[www.nek.sk](http://www.nek.sk)

[projekty.nek@gmail.com](mailto:projekty.nek@gmail.com)

+421 903 403 706

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