FOCUS ON UKRAINE

Funding opportunities and opportunities for collaboration

Speaker: Yevhen Rokytskyi

Chairman of the board of the All-Ukrainian Association of Innovative Space Clusters

























All-Ukrainian Association of Innovative SpaceTech Clusters



- ★ Voluntary contractual union
- Increases competitiveness in the interaction of participants in the full cycle of creating products with high added value
- A tool for post-industrial development with minimal entry cost and maximum productivity;
- Facilitates vertical integration along the value chain, unlike industry associations that often host competitors

Supporting Innovations and added value creation



Attracting investments into gaps in value chains.

Transition from a resource-

intensive economy to a high value-added economy

- Export development.
- Alignment of the economies of Ukraine and its partners

Integration with

industrially developed countries

Knowledge management

Modernization of

industry, science and education

- Development of profiles of new economic regions of
- Ukraine

Promotion of economic regions and interregional associations in the European space.

Interaction within the SuperCluster





BUSINESS

2

VELTA, FED, ESRI, Pivdenmash, financial institutions, patent attorneys

3

HEI, R&D

AUTHORITIES

State Space Agency, regional and city administrations, agencies of regional development, Parliament of Ukraine KPI-Sikorsky, DnNU, KhAI, OdNUFT, Polissya NU





Products

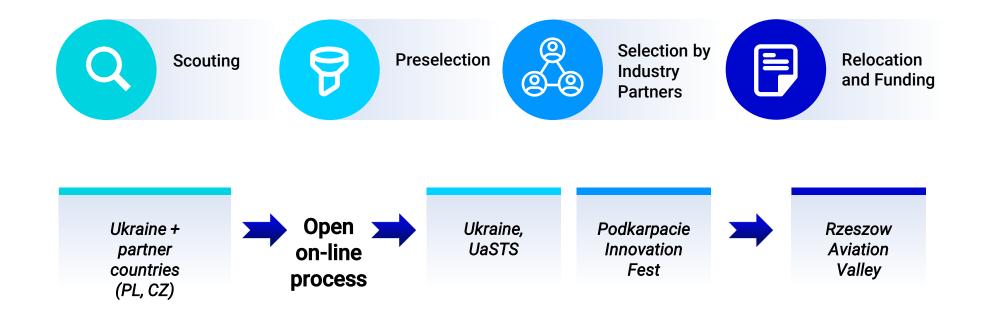
- Special materials
- Propulsion systems (engines, fuel)
- Opto-electronic systems
- Software-defined satellites
- ERS and IoT systems
- Systems of space situational awareness
- Systems of space telecommunications and data transmission

Competences and Know-how

- R&D
- Designing
- Engineering
- Development of production processes
- Production
- Innovation financing

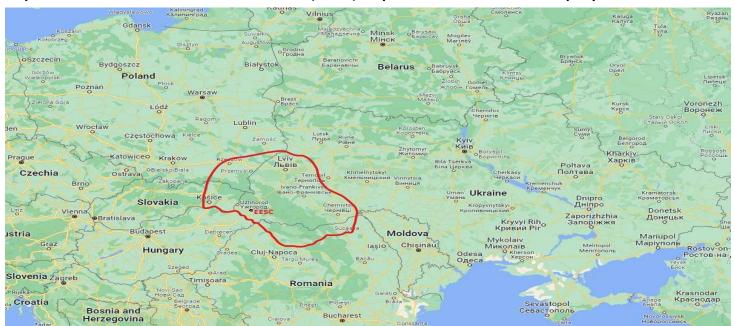
AeroSpace Tech Innovations Support Platform (UA-PL-CZ)





Eastern European Space Center (EESC)

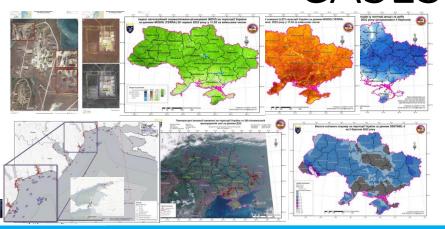
EESC, if created, might provide spacetech services to the administrations and communities of the border regions of such EU members and accession countries: Ukraine, Moldova, Romania, Slovakia, Poland, Lithuania, etc, in the areas of Security, Earth Remote Sensing, Satellite Navigation, Space Situational Awareness, (SSA), Space Weather, Geophysical Monitoring, etc.



EESC might be based at the Western Center of Radiotechnical Surveillance, (Mukachiv, Transkarpathia). Zakarpattia borders four EU countries and has significant potential for creating a unique cross-border infrastructure for the development of transport, logistics, economic, scientific and socio-cultural spheres.

EESC: USE

1. Earth Remote Sensing (ERS) Data ASES



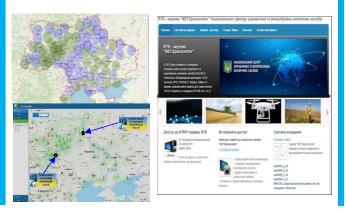
2. Space Monitoring and Analysis System Data



3. Special Monitoring Data



4. PTNSU Data



5. Analytics

(space activities worldwide)

Івформаційна довідка шодо запуску КА «Globalstar-2»

19 червяя 2022 року о 04:27 (UTC) з Мису Канаверал, Флорида, США, за закогою ракент-носія «Falcon-9 (Block 5)» було влійснено запуск супутника

рез угрупування міні-супутників шофровий та'язок та дані в режимі реального



Eastern European Space Center may boast the following facilities:

1. Laboratory of Earth Remote Sensing (ERS) to

- (i) <u>c</u>ollect, process and analyze ERS data
- (ii) Develop and promptly provide information and analytical data in the interests of regional and industrial and investment policies implementation, cross-border cooperation, agrisector development, water and forestry management, geology and subsoil use, etc.

2. Space Situational Awareness (SSA) Laboratory to

- (i) maintain Space Objects Catalog based on the obtained measurements, analysis, accumulation and archiving of coordinate and photometric information
- (ii) use coordinate and photometric observations means,
- (iii) process measurements obtained with observation means and clarify the movement parameters of observed space objects;

3. Information and analytics center

4. Conjugation center of the low-orbit satellite system of high-speed information transmission, being an element of the global ground infrastructure ensuring the interaction of the satellite system space segment with the telecommunications and information infrastructure in Central and Eastern Europe.

5. Educational and methodological center

Dr. Yevgen Rokytskyi, Chairman of the Board, OIKK

+48500267310

gen.rocket@clusters.org.ua





