



Romanian Office for
Science and Technology

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H2020 & Horizon Europe – closer to business opportunities through research and innovation

EVENT:

**Webinar: Just Transition – ideas, projects and finance
for life after coal in Jiu Valley**

21 October 2020

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H2020 – European Innovation Council Pilot (1)

The European Innovation Council (EIC) pilot supports researchers and innovators developing breakthrough innovations with the potential to create new markets and boost jobs, growth and prosperity in Europe.

(i) the EIC Pathfinder pilot (grant only)

FET-Open *Early-stage, science and technology research by interdisciplinary consortia exploring visionary ideas for radically new future technologies that challenge current paradigms and venture into the unknown. Open to research into any area of technology, it aims to attract new, high-potential research and innovation players.*

FET-Proactive *Cutting edge-high-risk/ high reward research and innovation projects that aim to firmly establish the future potential of a new and promising demonstrate a new technological paradigm within a pre-defined scope.*



H2020 – European Innovation Council Pilot (2)

(ii) the EIC Accelerator pilot (grant only and blended finance)

SME Instrument *Close-to-market and projects with a potential to scale up of a single SME established in EU Member States or Horizon 2020 associated countries.*

Other Calls:

Fast Track to Innovation (FTI) *Close-to-market projects of consortia with three to five entities from at least three different EU Member States or Horizon 2020 associated countries. Industry must participate. Interdisciplinary approaches encouraged.*

Blended finance means a financial support to an action, consisting in a combination of a grant with an investment in equity.



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H2020 – European Innovation Council Pilot (3)

Other actions:

Horizon Prizes *Horizon Prizes boost breakthrough innovation by fostering solutions to challenges which bring major benefits to society.*

Support Actions *help to optimise the impact of EU investment in EIC innovators and innovations; they contribute to building an EIC community and a vision underpinning a possible future EIC.*

<https://ec.europa.eu/research/eic/index.cfm>

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>



H2020 – EIC Pilot some lessons learned

- Proposed work should be ambitious, with innovation potential, and should be beyond the state of the art (e.g. groundbreaking objectives, novel concepts and approaches).
- Trans-disciplinary considerations.
- High risk of the research: "the proposed work is mostly incremental and not high-risk research".
- Risks and mitigation measures are not sufficiently clearly presented, identified and related to milestones.
- Dissemination and communication activities are confused and not properly presented.
- The use of the results must include a comprehensive management of IPR.



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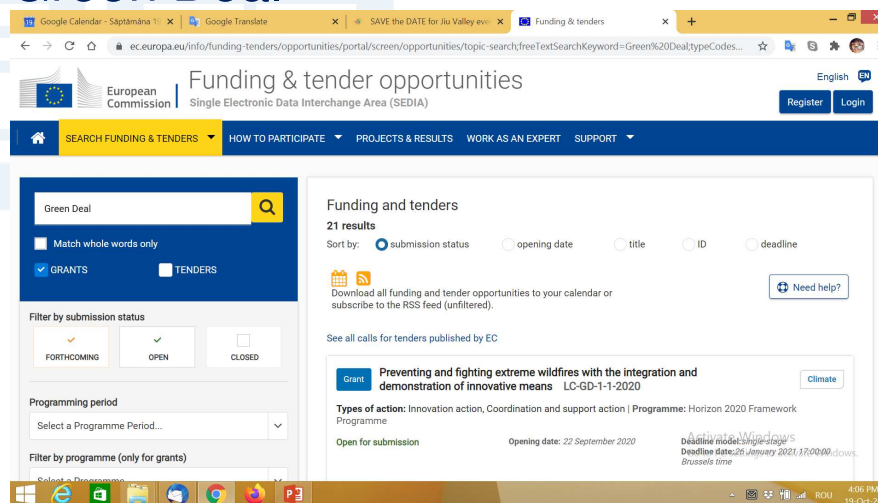
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H2020 – Calls Open

European Green Deal Call – 20 topics – deadline: 26 January 2021

How to find EU calls:

- (1) Go to [https://ec.europa.eu/info/funding-](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home)
- (2) [tenders/opportunities/portal/screen/home](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home)
- (2) Go to EU Programme Horizon 2020
- (3) In the "Search" section type "Green Deal"





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European Green Deal Call – some topics

- Towards Climate-Neutral and Socially Innovative Cities - LC-GD-1-2-2020
- Climate-resilient Innovation Packages for EU regions - LC-GD-1-3-2020
- Behavioural, social and cultural change for the Green Deal - LC-GD-10-2-2020
- Closing the industrial carbon cycle to combat climate change - Industrial feasibility of catalytic routes for sustainable alternatives to fossil resources - LC-GD-3-1-2020
- Demonstration of systemic solutions for the territorial deployment of the circular economy - LC-GD-3-2-2020



How Romania performs in H2020

- ❑ Funding received: 234,2 M EUR – 0,45% of EU total – SME: 27,84 M EUR
- ❑ Number of grant agreements signed: 878 – 3,11% of EU total
- ❑ Number of organisations involved: 1344 – 1,02% of EU total – SME: 189
- ❑ Success rate: 12,47% - 12,02% EU average
- ❑ EIC participation: 29 – 0,41% of EU total
- ❑ SME Instrument: 12
- ❑ Seal of Excellence – 44
- ❑ Experts: 770 – 61,17% female
- ❑ Number of project coordinators: 88



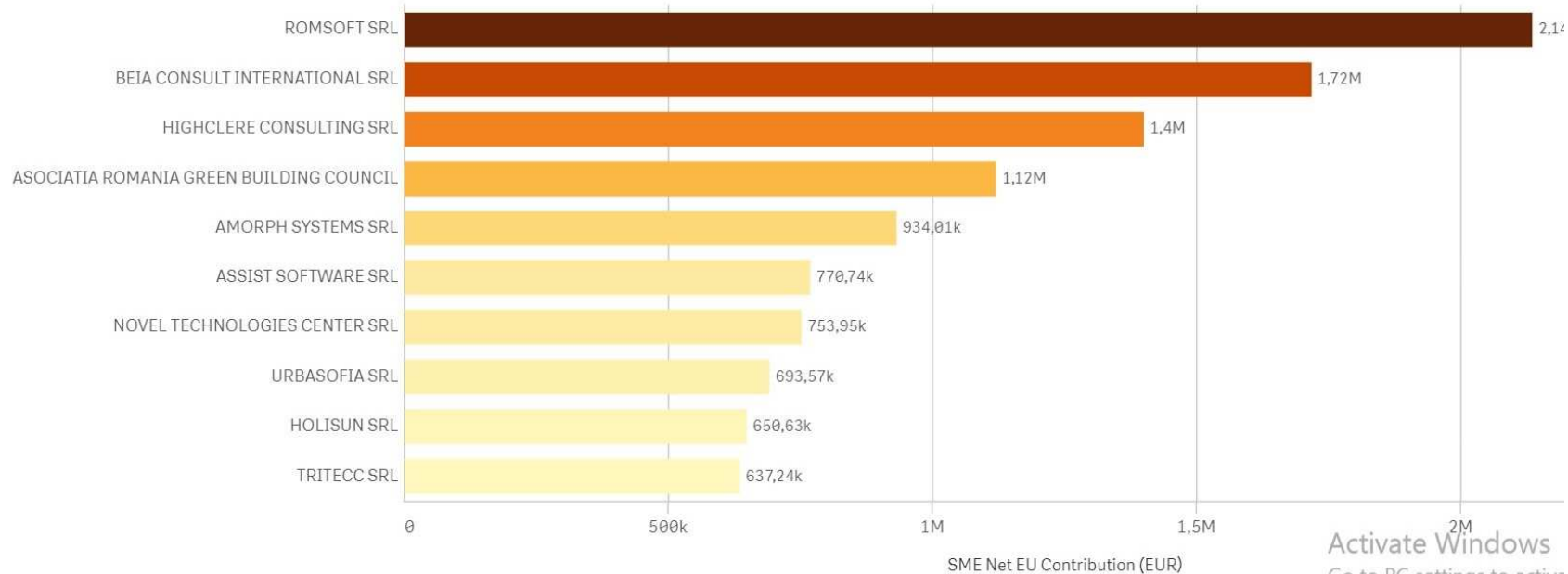
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H2020 – RO top 10 SMEs

SME Performance - Romania

Top 10 SMEs based on Net EU Contribution (EUR)



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Go to PC settings to activate



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EU contribution to R&I (EUR)

Framework programme H2020: 19,20 %

European Regional Development Fund (ERDF): 77,8%

European Agricultural Fund for Rural Development (EAFRD): 3%



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EIC in Horizon Europe (1)

The EIC aims at **identifying and supporting breakthrough technologies and innovations** with the potential to scale up internationally and become market leaders.

It supports all stages from R&D on the scientific underpinnings of breakthrough technologies, to validation and demonstration of breakthrough technologies and innovations to meet real world needs, to the development and scaling up of start-ups and small and medium enterprises.



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EIC in Horizon Europe (2)

Financial support is provided through two main instruments:

- ✓ the '**Pathfinder**' for advanced research on breakthrough technologies; and
- ✓ the '**Accelerator**' for individual companies to develop and scaleup breakthrough innovations with high risk and high impact.

In addition '**Transition**' funding provides a bridge between advanced research outputs, their application and market and user needs.

All EIC supported projects and companies have access to a range of **Business Acceleration Services** providing access to leading expertise, corporates, investors and ecosystem actors.

The EIC also provides additional activities such as prizes or iCapital (European Capital of Innovation Awards).



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European Partnerships in Horizon Europe

The aim of European partnerships with EU and associated countries, the private sector, foundations and other stakeholders is to deliver on global challenges and modernise industry.

(1) Co-programmed European Partnerships

Partnerships between the Commission and private and/or public partners. They are based on memoranda of understanding and/or contractual arrangements.

(2) Co-funded European Partnerships

Partnerships involving EU countries, with research funders and other public authorities at the core of the consortium.

(3) Institutionalised European Partnerships

Partnerships where the EU participates in research and innovation funding programmes that are undertaken by EU countries - require legislative proposals from the Commission and are based on a Council Regulation (Article 187) or a Decision by the European Parliament and Council (Article 185). They are implemented by dedicated structures created for that purpose.



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ESIF – Romania (1)

Competitiveness Operational Program 2014-2020 (POC)

Priority axis: 1. Research, technological development and innovation in support of economic competitiveness and business development.

Investment priority: PI1a Strengthen research and innovation, infrastructure and capacity building to develop R&D excellence, as well as promote centres of expertise, especially those of European interest

Specific Objective: 1.2 Increasing the Romanian participation in research at EU level

Type of project:

- *Research-innovation projects for both research organizations and enterprises:* RO-ECSEL, COMPLEMENT, RO-EIT, RO-ESFRI-ERIC.
- *Research and innovation projects for small and medium enterprises:* FINALIST-IMM.
- *Support projects for research organizations:* CENTRE-SUPPORT.
- *R&D infrastructure investment projects for research organizations:* CATEDRE-ERA, TEAMING.



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ESIF – Romania (2)

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Thank you for your attention!

*... and I hope to meet most of
you at our liaison office in
Brussels, at ROST, a place of
inspiration, sharing knowledge
and experience and ... hard
work!
Be welcome!*

