

National Infrastructure for Nanotechnology, Advanced Materials & Micro-Nanoelectronics

Innovation-el

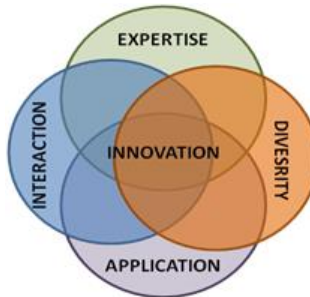
Βασίλης Κυλίκογλου
ΕΚΕΦΕ Δημόκριτος

A **National Research Infrastructure** addressing in a synergistic way the needs of **Nanoscale Science, Technology & Engineering** in **specific KET-driven topics** for the promotion of a SSI growth in Greece and Europe

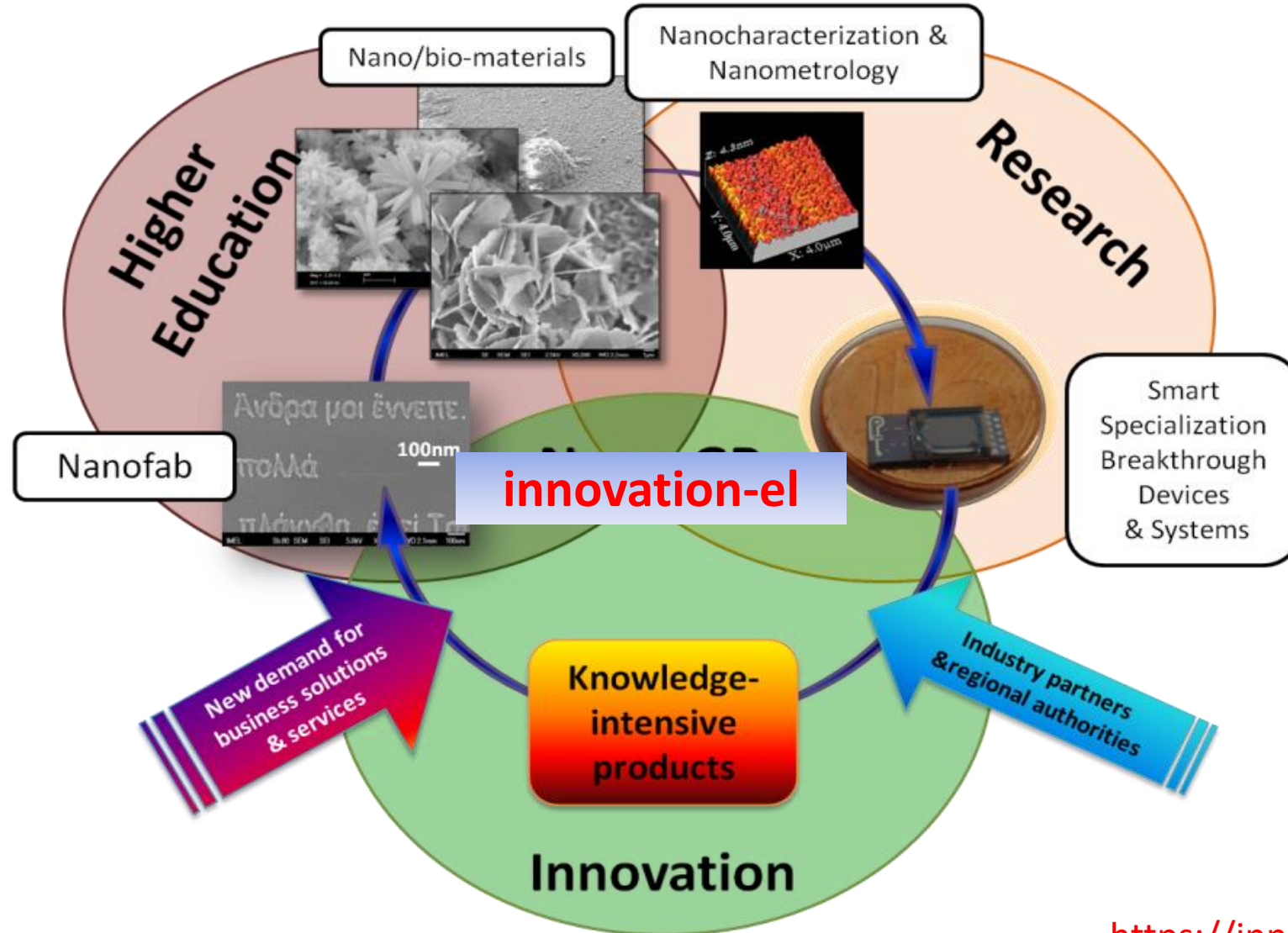
innovation-el : 5 Regions, a Public-Private Partnership

*Participation of the main **key stakeholders** for the development of a **sustainable innovation ecosystem** at national and regional level*

- 4 Research Institutions (**NCSR**D, **FORTH**, **NHRF** and **EIM**)
- 3 Higher education institutions (**NTUA**, **UoI**, **AUTH**)
- 6 Representatives from national (**GSRD**) & regional (**Attica**, **Central Macedonia** and **Epirus**) public authorities,
- 1 Public-Private Organisation (**Corallia Clusters Initiative**)
- 2 Representatives from industry
(**Hellenic Federation of Enterprises -SEV-**, & **Hellenic Semiconductor Industry Association –HellenicSIA**)



Innovation-el: exploiting all aspects of the Knowledge Triangle



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Open Access Research Infrastructure

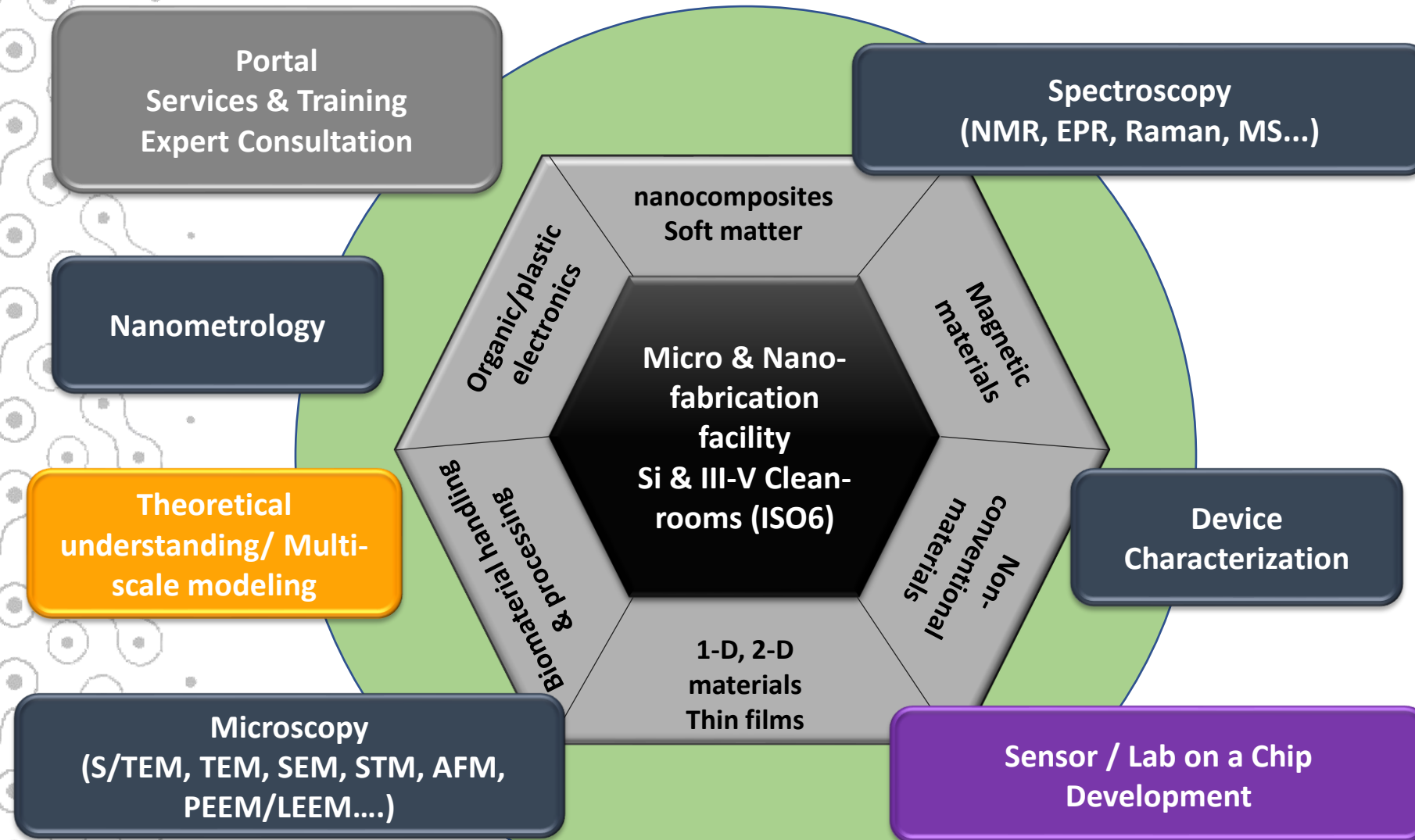
MISSION STATEMENT

- **Cutting-edge research environment for academia**
- **Technology solutions for the industrial sector & SMEs**
- **Participation in clusters with the industrial sector**

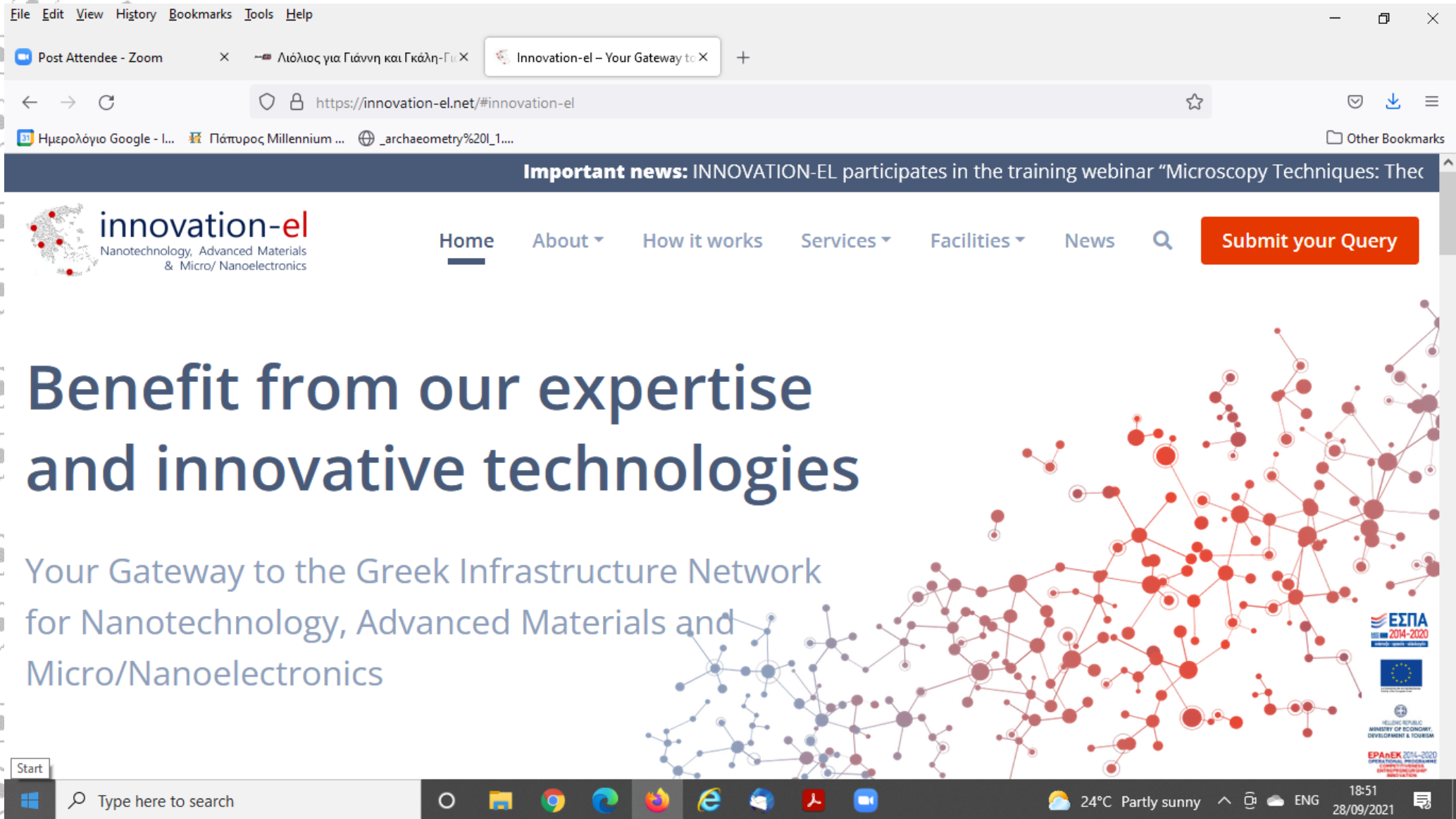
Publication of academic research in open-access journals

IP rights

innovation-el : Unique Open-Access Nanoscale Fabrication and Characterization Facilities



<https://innovation-el.net>




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Post Attendee - Zoom × Λιόλιος για Γιάννη και Γκόλη-Γι... Innovation-el - Your Gateway to... +

← → ↻ <https://innovation-el.net/#innovation-el> ☆

📅 Ημερολόγιο Google - Ι... 📖 Πάπυρος Millennium ... 🌐 _archaeometry%201_1.... Other Bookmarks

Important news: INNOVATION-EL participates in the training webinar "Microscopy Techniques: The

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[Home](#) [About](#) [How it works](#) [Services](#) [Facilities](#) [News](#) 🔍 [Submit your Query](#)

Benefit from our expertise and innovative technologies

Your Gateway to the Greek Infrastructure Network for Nanotechnology, Advanced Materials and Micro/Nanoelectronics

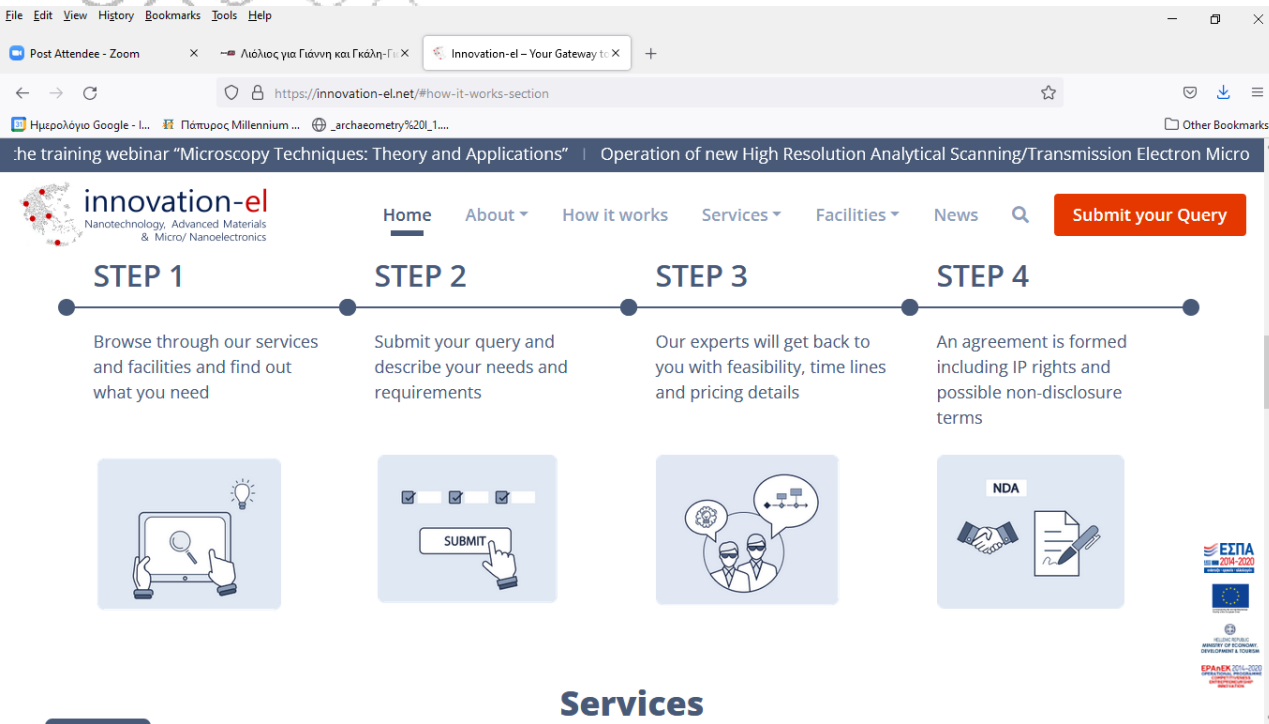
ΕΣΠΑ 2014-2020
ΕΥΡΩΠΑΪΚΗ ΕΝΩΣΗ
ΕΥΡΩΠΑΪΚΟ ΚΕΝΤΡΙΚΟ ΤΑΜΕΙΟ
REPUBLIC OF GREECE
MINISTRY OF ECONOMY,
DEVELOPMENT & TOURISM
EPANEX 2014-2020
OPERATIONAL PROGRAMME
ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ
ΕΡΕΥΝΑ ΚΑΙ ΚΑΙΝΟΤΟΜΙΑ

Start

Type here to search

24°C Partly sunny 18:51
28/09/2021

<https://innovation-el.net>




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https://innovation-el.net/#how-it-works-section


the training webinar "Microscopy Techniques: Theory and Applications" | Operation of new High Resolution Analytical Scanning/Transmission Electron Micro



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STEP 1

Browse through our services and facilities and find out what you need




STEP 2

Submit your query and describe your needs and requirements




STEP 3

Our experts will get back to you with feasibility, time lines and pricing details

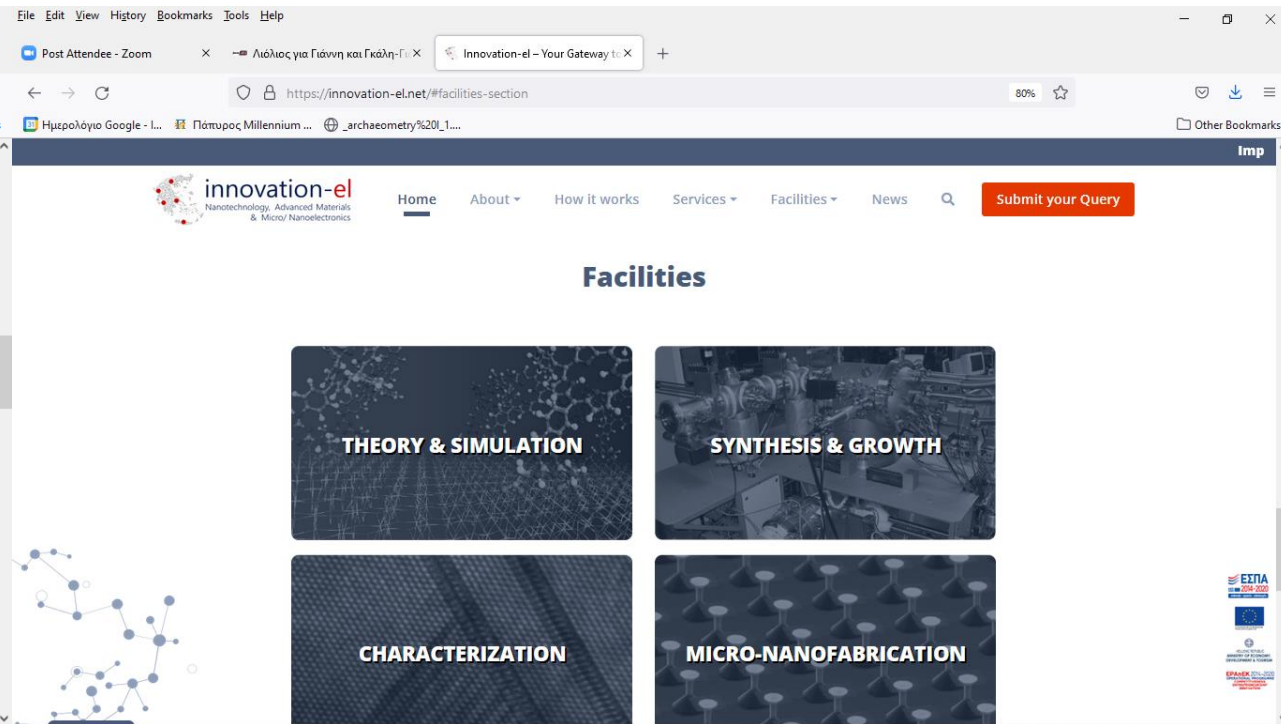



STEP 4

An agreement is formed including IP rights and possible non-disclosure terms




Services



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https://innovation-el.net/#facilities-section



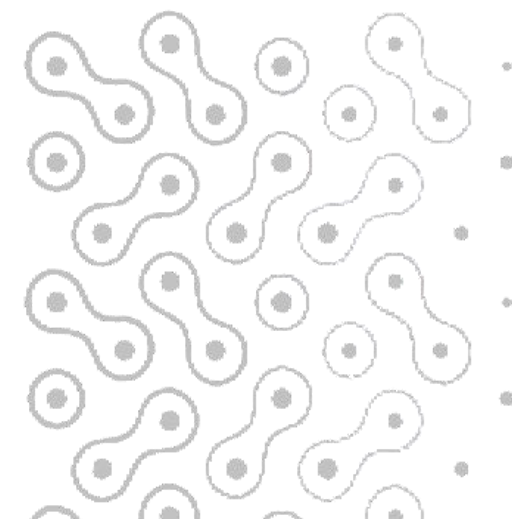
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Facilities

- THEORY & SIMULATION
- SYNTHESIS & GROWTH
- CHARACTERIZATION
- MICRO-NANOFABRICATION



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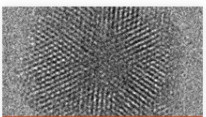
Post Attendee - Zoom x Λιώλιος για Γιάννη και Γκάλη-Γ x Characterization - Innovation-el x +

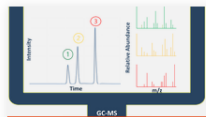
https://innovation-el.net/facility/characterization/ 80%

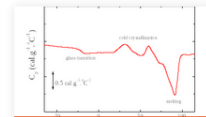
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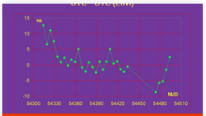
Home About How it works Services Facilities News [Submit your Query](#)

Characterization

- 

Structural & Morphological
- 

Physico-Chemical
- 

Materials Properties
- 

Metrology

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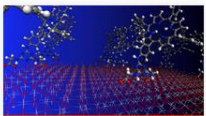
Post Attendee - Zoom x Λιώλιος για Γιάννη και Γκάλη-Γ x Theory & Simulation - Innovation-el x +

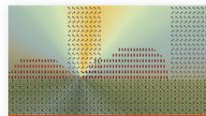
https://innovation-el.net/facility/theory-simulation/ 80%


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Theory & Simulation

- 

Ground state structural, electronic, optical & magnetic properties
- 

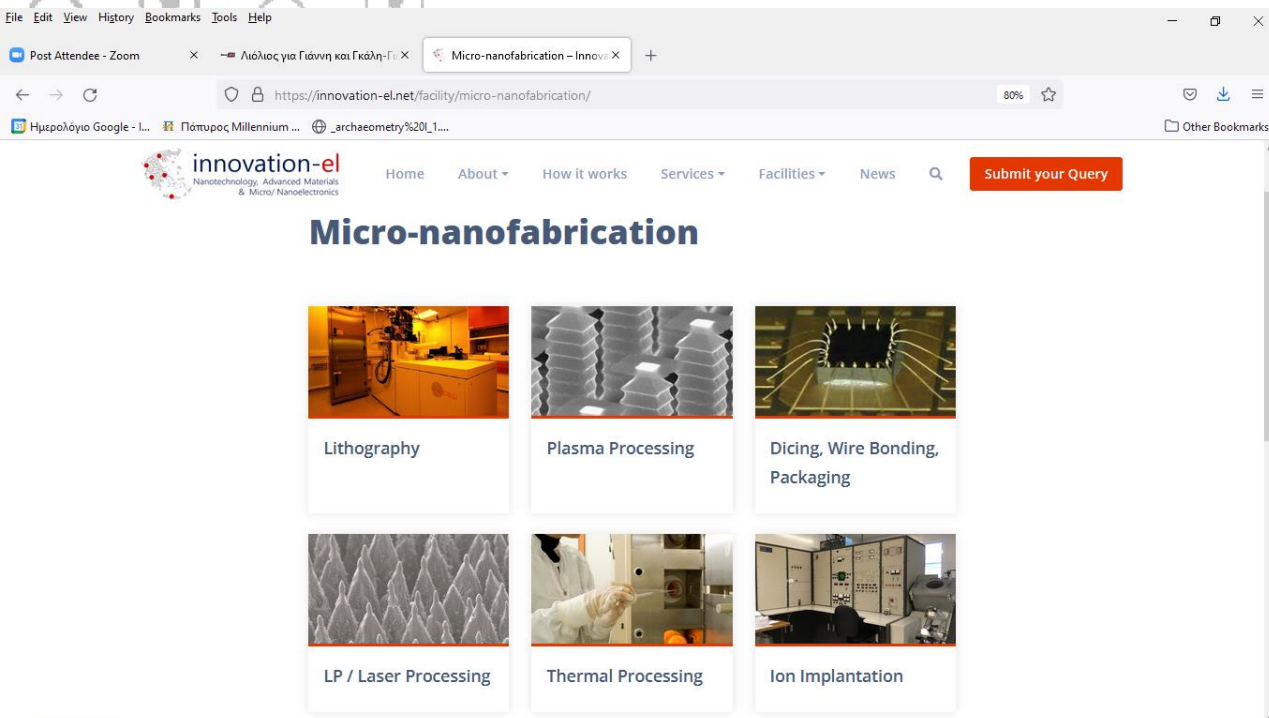
Energetic Stability, Growth Kinetics & Thermodynamic Properties
- 

Transport Properties of Materials & Nanostructures

Ask for more information on availability, dates and pricing

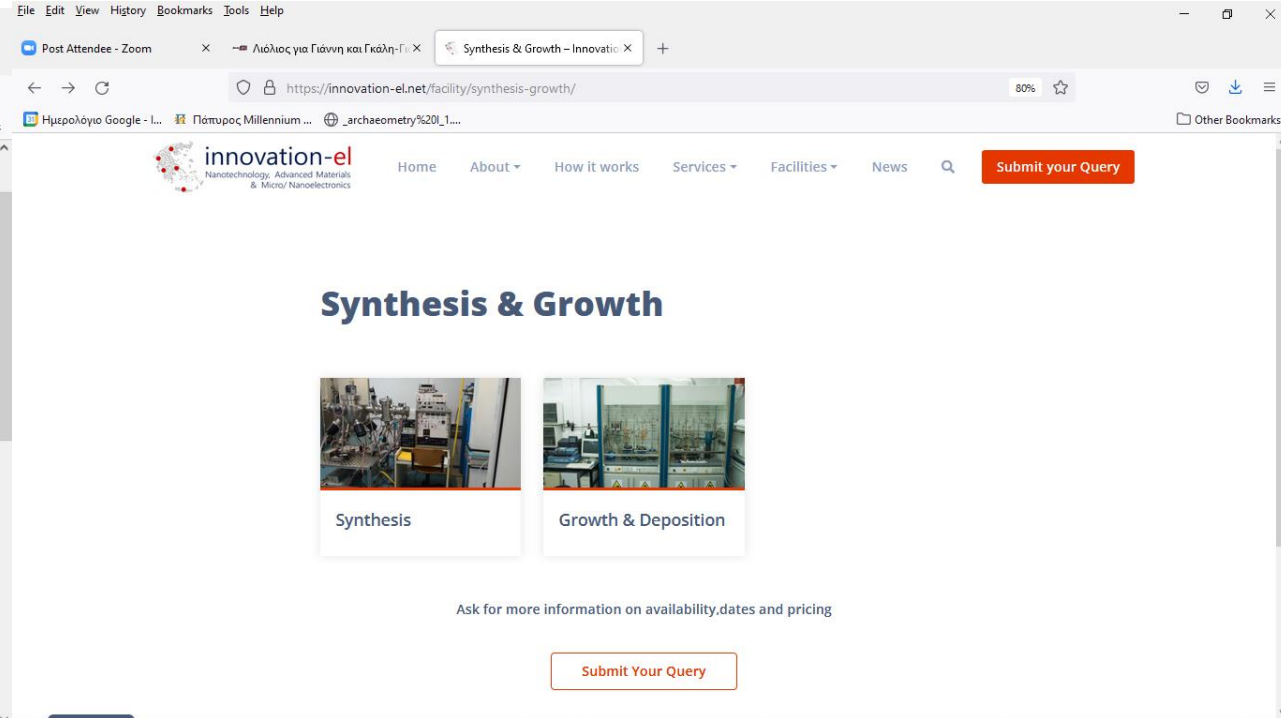


<https://innovation-el.net>



The screenshot shows the 'Micro-nanofabrication' page. The navigation bar includes 'Home', 'About', 'How it works', 'Services', 'Facilities', 'News', and a 'Submit your Query' button. The main heading is 'Micro-nanofabrication'. Below it, there are six service tiles arranged in a 2x3 grid:

- Lithography
- Plasma Processing
- Dicing, Wire Bonding, Packaging
- LP / Laser Processing
- Thermal Processing
- Ion Implantation



The screenshot shows the 'Synthesis & Growth' page. The navigation bar is identical to the previous page. The main heading is 'Synthesis & Growth'. Below it, there are two service tiles:

- Synthesis
- Growth & Deposition

Below the tiles, there is a text prompt: 'Ask for more information on availability, dates and pricing' and a 'Submit Your Query' button.

ΕΚΤΙΜΗΣΗ ΒΙΩΣΙΜΟΤΗΤΑΣ ΕΥ

κατά ΟΟΣΑ

Να είναι ένας κορυφαίος εθνικός ή παγκόσμιος επιστημονικός τομέας και μια διευκόλυνση για την υποστήριξη της επιστήμης.

Να διευκολύνει την υποστήριξη της καινοτομίας.

Να ενσωματώνεται σε ένα περιφερειακό cluster/ περιφερειακή στρατηγική/Να είναι ένας κόμβος για τη διευκόλυνση των περιφερειακών συνεργασιών.

Να προωθεί την εκπαίδευση και την μεταφορά γνώσης.

Να παρέχει επιστημονική υποστήριξη στις δημόσιες πολιτικές.

Να παρέχει επιστημονικά δεδομένα υψηλής ποιότητας και συναφείς υπηρεσίες.

Να αναλαμβάνει κάποια κοινωνική ευθύνη απέναντι στην κοινωνία.

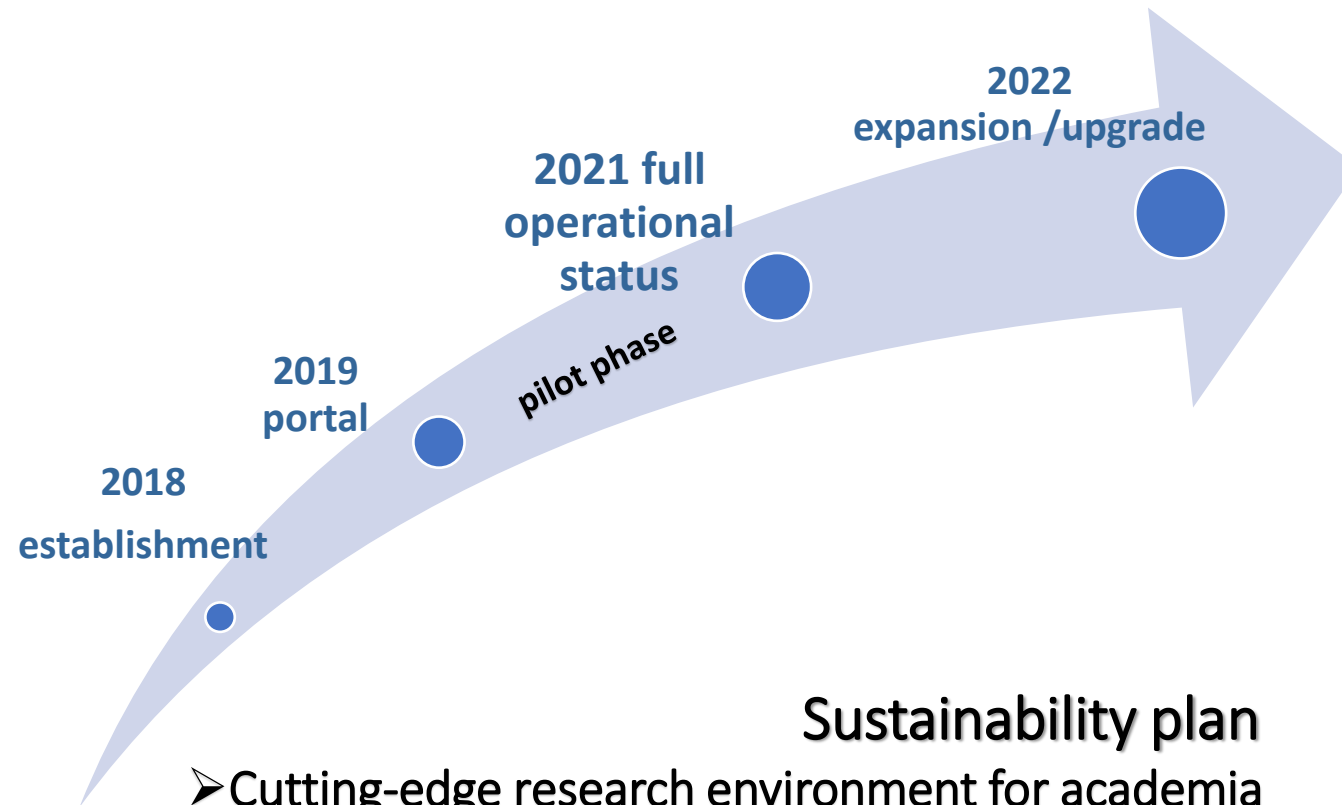
OECD (2019), "Reference framework for assessing the scientific and socio-economic impact of research infrastructures", OECD Science, Technology and Industry Policy Papers, No. 65, OECD Publishing, Paris, <https://doi.org/10.1787/3ffee43b-en>.

ΕΚΤΙΜΗΣΗ ΒΙΩΣΙΜΟΤΗΤΑΣ ΕΥ

- Ανάπτυξη Key Performance Indicators συμβατούς με τους κοινούς στόχους των ΕΥ-ESFRI σχετικά με την παρακολούθηση της απόδοσης των υποδομών έρευνας

Objective	KPIs
Enabling scientific excellence	<ol style="list-style-type: none">1. Number of user requests for access2. Number of users served3. Number of publications4. Percentage of top (10%) cited publications
Delivery of education and training	<ol style="list-style-type: none">5. Number of master and PhD students using the RI6. Training of people who are not RI staff
Enhancing collaboration in Europe	<ol style="list-style-type: none">7. Number of members of the RI from ESFRI countries8. Share of users and publications per ESFRI member country
Facilitating economic activities	<ol style="list-style-type: none">9. Share of users associated with industry and publications with industry10. Income from commercial activities and the number of entities paying for service
Outreach to the public	<ol style="list-style-type: none">11. Engagement achieved by direct contact12. Outreach through media13. Outreach via the RI's own web and social media
Optimising data use	<ol style="list-style-type: none">14. Number of publicly available data sets used externally
Provision of scientific advice	<ol style="list-style-type: none">15. Participation by RIs in policy related activities16. Citations in policy related publications
Facilitating international co-operation	<ol style="list-style-type: none">17. Share of users and publications per non-ESFRI member country18. International trainees19. Number of members of the RI from non-ESFRI countries
Optimising management	<ol style="list-style-type: none">20. Revenues21. Extent of resources made available

Innovation.el : Implementation schedule and sustainability plan



Sustainability plan

- Cutting-edge research environment for academia
- Technology solutions for the industrial sector & SMEs
- Targeted dissemination & networking activities
- Innovation clusters / regional & EU funding