Agenda

> ISERD – Who we are and what we do

> European funding programmes

> Horizon Europe – Structure and budget

> Horizon Europe – Conditions and participation process

> How to proceed and how ISERD can help you

The Israel Innovation Authority

Innovation Divisions

Different Needs Require Different Policies and Tools

Division	Description
Technological Infrastructure	Research infrastructure, disruptive technologies
Startup	Maintaining a s sufficient deal flow of tech startups and helping them reach fundable milestones
Growth	Helping tech firms grow in Israel
Societal Challenges	Supporting tech solutions for societal and public goals
Advanced Manufacturing	Pushing the manufacturing industries to a sustainable competitive path
International Collaborations & ISERD	Enabling the Israeli technology industry to find its path in the global arena

ISERD
המינהלת הישראלית למו"פ האירופי
Israel-Europe R&I Directorate

רשות החדשנות
Israel Innovation Authority

Ministry of Science Technology & Space

COUNCIL FOR HIGHER EDUCATION

ISERD – Israel Europe R&I Directorate

> An **interface** between the Israeli government and the European Union

> **Encouraging** Israeli entities to participate

> **Representing** Israel in the programme committees of the EC

> **National Contact Point (NCP)** for the different themes

> **Information dissemination**

> **Assistance** throughout projects' submission and management

ISERD aims at maximizing the benefits of Israel's participation in the Framework Programmes (FP)

Horizon Europe
European Framework Programme

What is Horizon Europe?

❯ EU's main funding instrument for R&D (since 1984)

❯ Covering all major scientific and technological disciplines
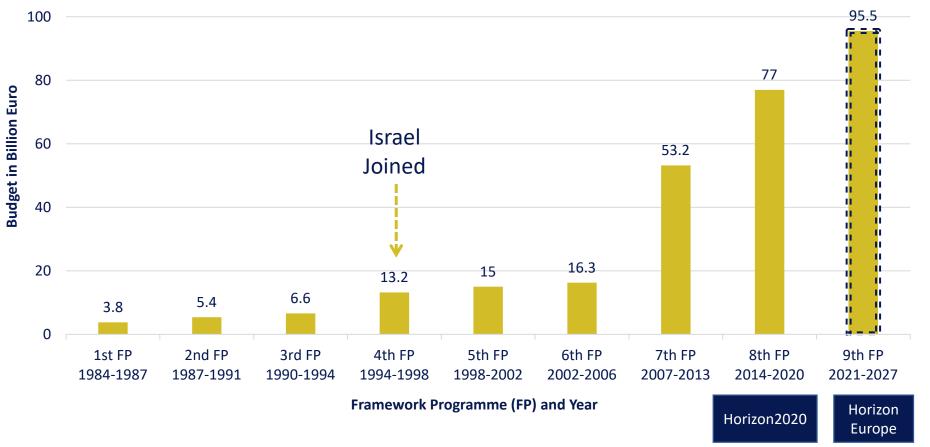
❯ Targeting the major European industrial sectors

Progression of FP Budgets Over Time

Horizon Europe - Goals

The ambitious EU research and innovation framework programme (2021-2027)

Strengthen the EU's scientific and technological bases and the European Research Area (ERA)

Boost Europe's innovation capacity, competitiveness and jobs

Deliver on citizens' priorities and sustain our socio-economic model and values

The Commission proposes a budget of € 95.5 billion for Horizon Europe

Key strategic orientations for greater impact

Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains to accelerate and steer the digital and green transitions through human-centred technologies and innovations

Restoring Europe's ecosystems and biodiversity, and managing sustainably natural resources to ensure food security and a clean and healthy environment

Making Europe the first digitally enabled circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems

Creating a more resilient, inclusive and democratic European society, prepared and responsive to threats and disasters, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions

Participating Countries

27 Member States (MS)

- Austria (AT)
- France (FR)
- Malta (MT)
- Belgium (BE)
- Germany (DE)
- Netherlands (NL)
- Bulgaria (BG)
- Greece (GR/EL)
- Poland (PL)
- Croatia (HR)
- Hungary (HU)
- Portugal (PT)
- Cyprus (CY)
- Ireland (IE)
- Romania (RO)
- Czech Republic (CZ)
- Italy (IT)
- Slovakia (SK)
- Denmark (DK)
- Latvia (LV)
- Slovenia (SI)
- Estonia (EE)
- Lithuania (LT)
- Spain (ES)
- Finland (FI)
- Luxembourg (LU)
- Sweden (SE)

Associated Countries (AC)

- Albania (AL)
- Montenegro (ME)
- Armenia (AM)
- Norway (NO)
- Bosnia and Herzegovina (BA)
- Serbia (RS)
- Faroe Islands (FO)
- Switzerland (CH)
- Georgia (GE)
- Tunisia (TN)
- Iceland (IS)
- Turkey (TR)
- Israel (IL)
- United Kingdom (UK)
- Macedonia (MK)
- Ukraine (UA)
- Moldova (MD)

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Disclaimer

The participation of Israeli entities, as associated country members, in

Horizon Europe projects, is subject to the signing of the 'Association

Agreement' to the programme between Israel and the EU, before the first

project's Grant Agreement (GA) is signed.

התחייבויות חוזיות של מקבלי המענקים המוזכרות גם בהסכם האסוציאציה

❮ חלק מההתחייבויות החוזיות של מקבלי המענקים מוזכרות גם בהסכם החדש :

❮ **סעיף 2.2** – ישויות ישראליות יכולות להשתתף בקולות קוראים של הורייזן אירופה תחת אותם תנאים של ישויות אירופאיות, כולל ביחס ל - EU restrictive measures . מדובר בצעדים מגבילים שהאירופאים יכולם לאמץ בהתאם לסעיף 29 בהסכם האיחוד האירופי (Treaty on the European Union) או סעיף 215 Treaty on the Functioning של הנציבות האירופית.

❮ **בנספח 3** – התחייבויות חוזיות שקשורות, בין היתר, לנושאים הבאים :

❮ סמכות הנציבות לאכוף התנהלות פיננסית נאותה גם על קבלני משנה ועל צדדים שלישיים (רלוונטי וצריך לבוא לידי ביטוי בהתקשרויות בין מקבלי המענקים לבין קבלני המשנה/הצדדים השלישיים).

❮ European Anti Fraud Office – OLAF וגם ה-Court of Auditors יכולים לערוך חקירות ובדיקות בישראל.

❮ סנקציות במקרה של הפרת חוזה

❮ היכולת של הנציבות לאכוף צווים מנהליים כנגדם בישראל בסיוע הפרקליטות הישראלית.
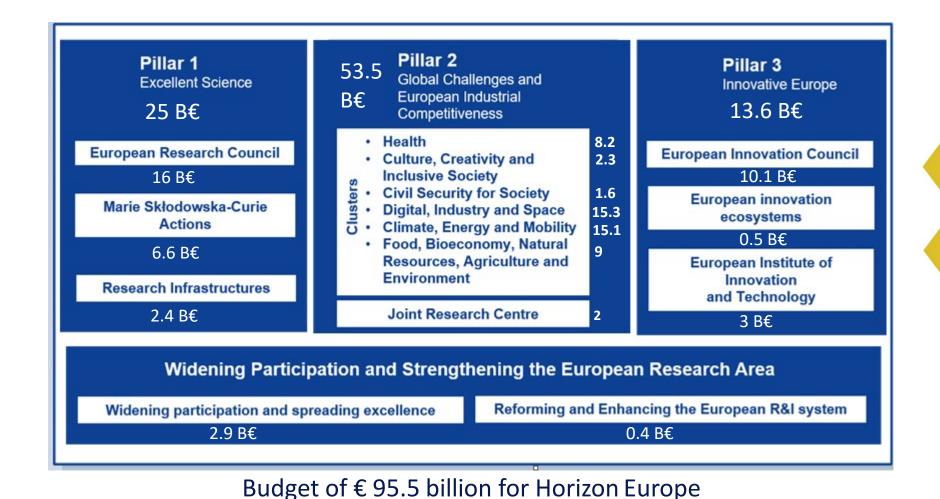
❮ סעיף בוררות בין מקבלי המענקים לבין הנציבות.

Horizon Europe (2021-2027)

Pillar 1
Excellent Science

25 B€

European Research Council

16 B€

Marie Skłodowska-Curie Actions

6.6 B€

Research Infrastructures

2.4 B€

53.5 B€

Pillar 2
Global Challenges and European Industrial Competitiveness

Clusters
- Health — 8.2
- Culture, Creativity and Inclusive Society — 2.3
- Civil Security for Society — 1.6
- Digital, Industry and Space — 15.3
- Climate, Energy and Mobility — 15.1
- Food, Bioeconomy, Natural Resources, Agriculture and Environment — 9

Joint Research Centre — 2

Pillar 3
Innovative Europe

13.6 B€

European Innovation Council

10.1 B€

European innovation ecosystems

0.5 B€

European Institute of Innovation and Technology

3 B€

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

2.9 B€

Reforming and Enhancing the European R&I system

0.4 B€

Budget of € 95.5 billion for Horizon Europe

Conditions for Participation

> **MINIMUM CONDITION,** general rule,

at least **Three** independent participants (any legal entity)

from **Three** different MS or AC, with at least one MS

> **ADDITIONAL CONDITIONS** can be established by the Scientific Programme or Work Programme (number or type of participant, place of establishment)
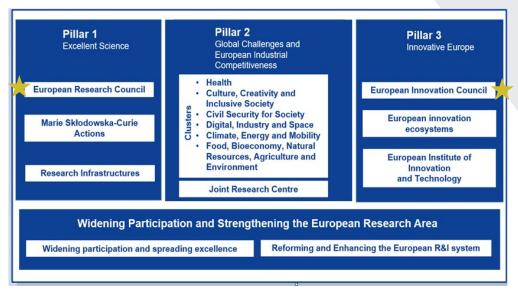
Terminology & How to Find Your Topic

- Horizon Europe Framework Programme
  - Pillar
    - Cluster
      - Destination
        - Call (2021, 2022)
          - Section
            - Topic
- Identify the subject/s of your expertise/interest
- Verify the deadlines and eligibility conditions
- Check for "best fit" topic/s in the Work Programme

Table of contents

Main Types of Action

Action	Funding*	Main Characteristics
RIA – **Research & Innovation Action**	100% + 25%	Basic and applied research, technology development and integration, testing, demonstration and validation on small-scale prototype in laboratory or simulated environment
IA – **Innovation Action**	70% + 25%	Prototyping, testing, demonstrating, piloting, large-scale product validation and market replication
CSA - **Coordination & Support Action**	100% + 25%	Networking, coordination or support services, policy dialogues and mutual learning exercises and studies

* Non profit – always 100%

Technology Readiness Level (TRL)

> TRL 1 – Basic principles observed

> TRL 2 – Technology concept formulated

> TRL 3 – Experimental proof of concept

> TRL 4 – Technology validated in lab

> TRL 5 – Technology validated in relevant environment

> TRL 6 – Technology demonstrated in relevant environment

> TRL 7 – System prototype demonstration in operational environment

> TRL 8 – System complete and qualified

> TRL 9 – Actual system proven in operational environment

The Evaluation Criteria

Three main criteria (max. score of 5 in each and 15 total) –

> **Excellence** (relevant to the topic of the call)
> > *Concept, objective, work-plan*
> **Impact**
> > *Contribution to expected impacts listed in work programme*
> > *Plans for dissemination/exploitation, Communication*
> **Quality and Efficiency of the Implementation**
> > *Individual participants and consortium as a whole*
> > *Allocation of resources*

Standard Application Form

Submission Timeline

The Evaluation Process

Proposal — Eligible / admissible proposal

Expert, Expert, Expert, Expert, Expert — Minimum 3 experts assigned

Individual Evaluation Report — Individual evaluation (remote)

Consensus group — Consensus (Brussels)

Consensus Report
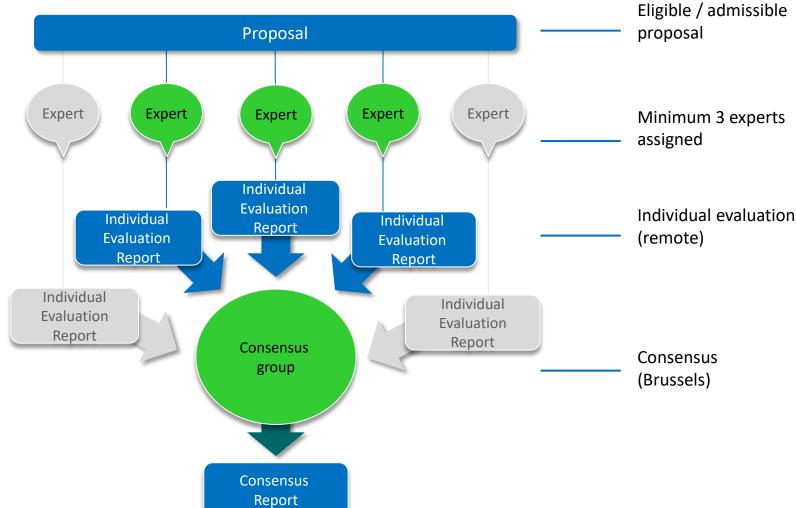
Evaluation Summary Report (ESR)

Proposal Evaluation Form

EUROPEAN COMMISSION

Horizon 2020 - Research and Innovation Framework Programme

Evaluation Summary Report -

Call:
Funding scheme:
Proposal number:
Proposal acronym:
Duration (months):
Proposal title:
Activity:

N.	Proposer name	Country	Total Cost	%	Grant Requested	%
1						

Abstract:

Evaluation Result

Total score: 15.00 (Threshold: 10)

Form information

SCORING

Scores must be in the range 0-5.

Interpretation of the score:

0– The **proposal fails to address the criterion** or cannot be assessed due to missing or incomplete information.

1– **Poor.** The criterion is inadequately addressed, or there are serious inherent weaknesses.

2– **Fair.** The proposal broadly addresses the criterion, but there are significant weaknesses.

3– **Good.** The proposal addresses the criterion well, but a number of shortcomings are present.

4– **Very good.** The proposal addresses the criterion very well, but a small number of shortcomings are present.

5– **Excellent.** The proposal successfully addresses all relevant aspects of the criterion. Any shortcomings are minor.

Evaluation Summary Report (ESR)

Criterion 1 - Excellence

Score: **5.00** (Threshold: 3/5.00 , Weight: -)

The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme.
Clarity and pertinence of the objectives

Soundness of the concept, and credibility of the proposed methodology

Extent that proposed work is beyond the state of the art, and demonstrates innovation potential (e.g. ground-breaking objectives, novel concepts and approaches, new products, services or business and organisational models)

Appropriate consideration of interdisciplinary approaches and, where relevant, use of stakeholder knowledge

Criterion 2 - Impact

Score: **5.00** (Threshold: 3/5.00 , Weight: -)

The following aspects will be taken into account:
The extent to which the outputs of the project would contribute to each of the expected impacts mentioned in the work programme under the relevant topic

Any substantial impacts not mentioned in the work programme, that would enhance innovation capacity, create new market opportunities, strengthen competitiveness and growth of companies, address issues related to climate change or the environment, or bring other important benefits for society

Quality of the proposed measures to:
- exploit and disseminate the project results (including management of IPR), and to manage research data where relevant
- communicate the project activities to different target audiences

Criterion 3 - Quality and efficiency of the implementation

Score: **5.00** (Threshold: 3/5.00 , Weight: -)

The following aspects will be taken into account:
Quality and effectiveness of the work plan, including extent to which the resources assigned to work packages are in line with their objectives and deliverables

Appropriateness of the management structures and procedures, including risk and innovation management

Complementarity of the participants and extent to which the consortium as a whole brings together the necessary expertise

Appropriateness of the allocation of tasks, ensuring that all participants have a valid role and adequate resources in the project to fulfil that role

Eligible Costs & Payments

Eligible costs are –

> Actual costs (personnel, travel, equipment…) incurred during the duration of the project

> In accordance with the usual accounting practices, and recorded in the accounts

> Used for achieving the objectives of the project

> Received in payments -

  o **One pre-financing –** ~30% of the project's approved budget

  (maximum amount is the total grant / by the number of periods - 5%)

  o **Interim payments –** Based on financial statements submitted at the end of the reporting period

  o **Final payment –** Retention (at least 10%) + MIM (5%)

Consortium - Legal aspects

> The DECLARATION OF HONOUR (DoH) is the declaration submitted to the European Commission that all information about the entity is correct

> The **GRANT AGREEMENT (GA)** is the legal agreement between the European Commission and the Consortium. It states the amount of the grant and all legal provisions.

> The Consortium Agreement (CA) is a document that partners finalize amongst themselves which allows them to define in detail the administrative and management provisions necessary to carry out their project. The European Commission is not part of this agreement

IPR – Intellectual Property Rights

Each participant owns the foreground it generated

Joint Ownership: When foreground is generated jointly – the joint owners must reach an agreement in writing – Results Ownership List (ROL)

Access Rights:

› Granting licenses and user rights to another participant's results or background. Beneficiaries can benefit from each other's resources, and take advantage of the collaboration

› Access rights to another beneficiary's results and/or background are only to be granted if the requesting beneficiary needs such access in order to carry out its part of the project or to exploit its own results

› In order for the beneficiaries to exercise their access rights, this must be requested in writing

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Communication, Dissemination and Exploitation

> **Communication** – Taking strategic and targeted measures for promoting the action itself and its results to a multitude of audiences, including the media and the public, and possibly engaging in a two-way exchange.

Communication measures should promote the project throughout the full lifespan of the project.

The aim is to **inform and reach out to society and show the activities performed, and the use and the benefits the project** will have for citizens.

> **Dissemination** – The public disclosure of the results by appropriate means, other than resulting from protecting or exploiting the results, including by scientific publications in any medium.

The **public disclosure of the results by appropriate means**, other than resulting from protecting or exploiting the results, including by scientific publications in any medium.

> **Exploitation** – The use of results in further research and innovation activities, including among other things, commercial exploitation such as developing, creating, manufacturing and marketing a product or process, creating and providing a service, or in standardisation and policy making activities.

The **use of results** in further research and innovation activities other than those covered by the action concerned, including among other things, commercial exploitation such as developing, creating, manufacturing and marketing a product or process, creating and providing a service, or in standardisation activities.

Communication, Dissemination and Exploitation

NEW

If beneficiaries are not able to exploit their own R&I results, they are encouraged to find a third party to do so.
If there is no exploitation of their R&I results by the beneficiary within one year of the end of the project, then the beneficiary must use the **Horizon Results Platform** to make their exploitable results visible.

Furthermore, for the following three years, beneficiaries will need to complete a structured questionnaire to report on their exploitation progress, including their needs and identifying any obstacles on their path for exploitation.
It is expected that the questionnaire will be part of the online grant management system and will remain open for four years after the end of the project, when a final report will be created.

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Open Science across Horizon Europe

Open Science ➤ **Better dissemination and exploitation of R&I results and support to active engagement of society**

➤ **Mandatory Open Access to publications:** beneficiaries shall ensure that they or the authors retain sufficient intellectual property rights to comply with open access requirements

➤ **Open Access to research data ensured:** in line with the principle "as open as possible, as closed as necessary"; **Mandatory Data Management Plan for FAIR** (Findable, Accessible, Interoperable, Re-usable) and **Open Research Data**

➤ Support to researcher skills and reward systems for open science

➤ Use of **European Open Science Cloud (EOSC)**

Next Steps

Do you have an idea? Does this idea fit into a topic description?

Identify the best Call for Proposal

❯ Form a Consortium:
- ○ Use your network
- ○ Use your National Contact Point (NCP)
- ○ Matchmaking events
- ○ Identify leading groups in the field
- ○ CORDIS: Search Previously funded projects

❯ Write a Proposal - You can get help from:
- ○ National Contact Point
- ○ Horizon Europe Online Manual
- ○ Experienced colleagues
- ○ Consultants

Parallel Process!

Horizon Europe - Partnerships

Partnership Name	Research Topic	Contact
M-ERA.NET	Materials science and engineering	Rachel Loutaty
CHIST-ERA	Information and Communication Technologies and ICT-based areas with the potential to lead to significant breakthroughs	Rachel Loutaty
ICT AGRI FOOD	ICT platforms and technologies to improve the sustainability of agri-food systems	Rachel Loutaty
PRIMA	Water management farming and food	Nir Shaked
FlagERA	Graphene and)Human Brain Project (HBP	Tzlil Ribak
QuantERA	Quantum Technologies (QT)	Tzlil Ribak
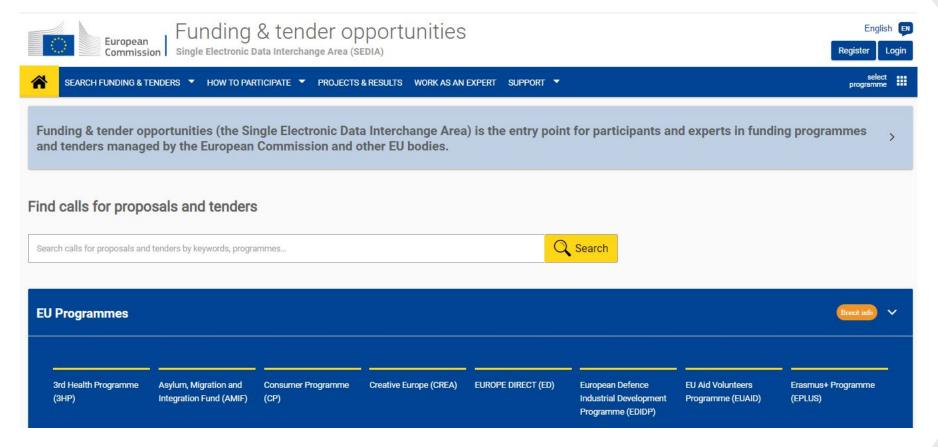
Funding and Tenders Portal

> **Register on the Portal** to start all your future submissions
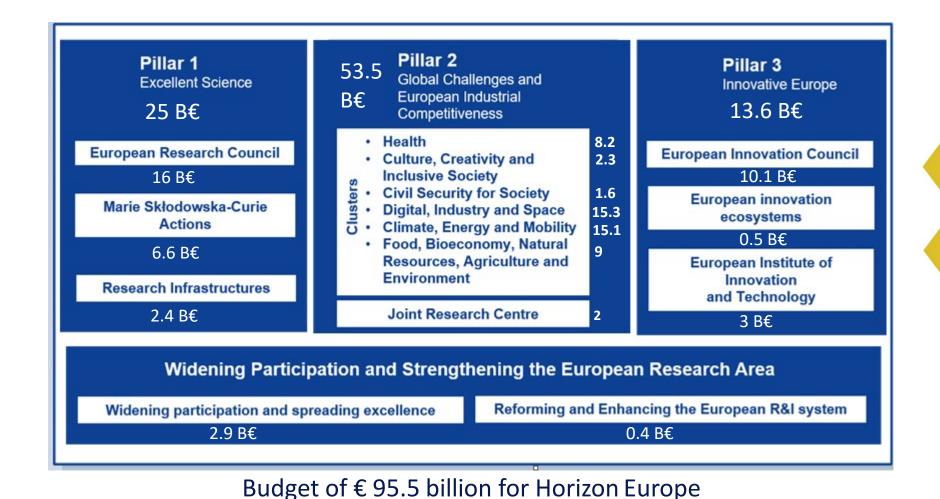
Horizon Europe (2021-2027)

Budget of € 95.5 billion for Horizon Europe

The EIC

European Innovation Council

Support to innovations with breakthrough and disruptive nature and scale up potential that are too risky for private investors **(70% of the budget earmarked for SMEs)**

European Innovation Council – a one-stop-shop

- Helping innovators create markets of the future, leverage private finance, scale up their companies,
- Innovation centric, risk taking & agile, pro-active management and follow up

> **Pathfinder** – Early stage development – TRL 1-4

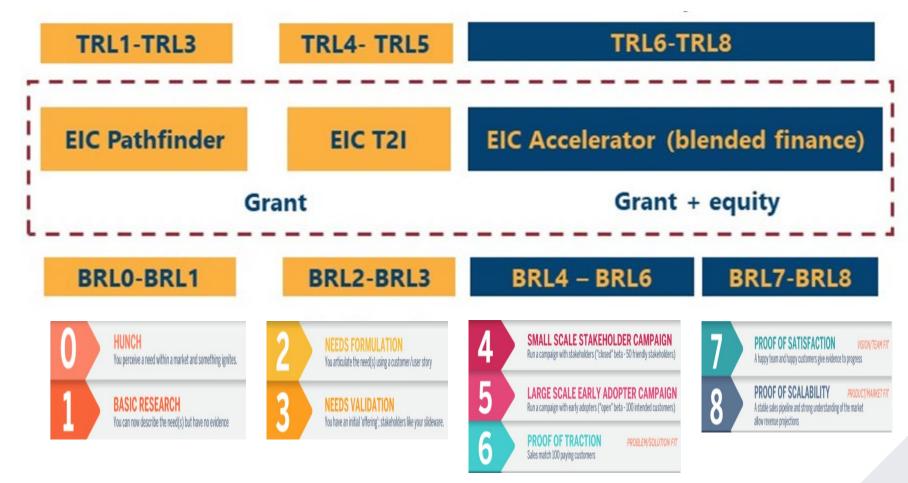> **Transition** – Validation of novel technologies in the lab – TRL 5-6

> **Accelerator** – Scale up – TRL 6-9

*Taken from EC Presentation

European Innovation Council

EIC Accelerator

WE ARE LOOKING FOR SMES WHO ARE...

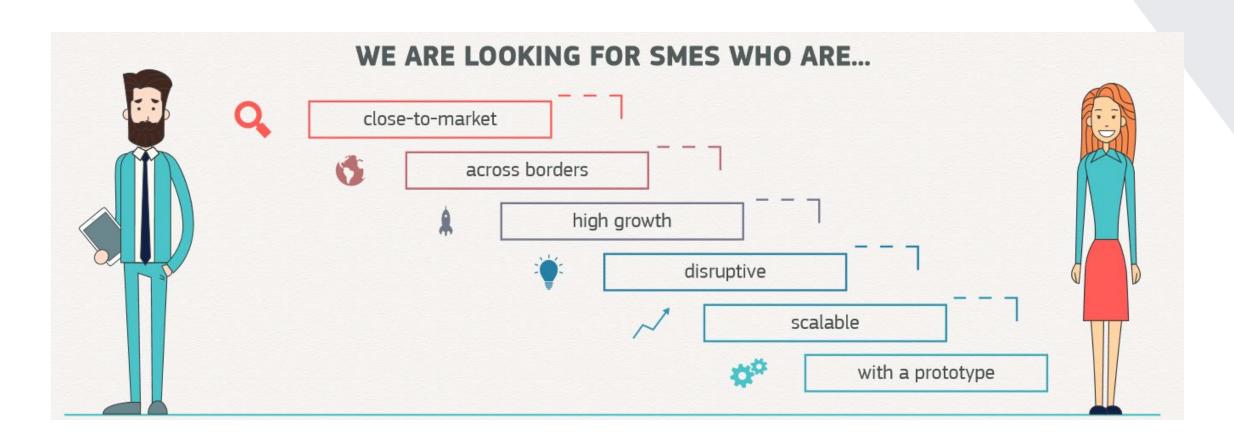- close-to-market
- across borders
- high growth
- disruptive
- scalable
- with a prototype

European Research Council (ERC)

- Provide attractive, long-term funding to support excellent investigators and their research teams to pursue ground-breaking, high-gain/high-risk research.
- Types:
  - Three individual grants, based on scientific background: **Starting**, **Consolidator** and **Advanced Grants**
  - A group of two to maximum four Principal Investigators (PIs), working together and bringing different skills and resources to tackle ambitious research problems: **Synergy Grant**
  - **The ERC PoC Grants** aim to maximise the value of the excellent research that the ERC funds, by funding further work to verify the innovation potential of ideas arising from ERC funded projects. Offer only to PIs whose proposals draw substantially on their ERC funded research.

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Marie Skłodowska-Curie Actions (MSCA)

› The European researchers' international mobility programme.

› MSCA strongly contributes to excellent research, boosting jobs, growth and investment

  o Aims at **equipping researchers with new knowledge and skills** and providing them with an **international** as well as **inter-sectoral exposure** (including through academia-business collaboration), to fill the top positions of tomorrow.

› Main Types:

  o **MSCA Doctoral Networks** (**MSCA-DN**): Aim to train creative, entrepreneurial, innovative and resilient doctoral candidates.

  o **MSCA Postdoctoral Fellowships** (**MSCA-PF**): Enhance the creative and innovative potential of researchers holding a PhD, wishing to acquire new skills through advanced training, international, interdisciplinary and inter-sectoral mobility.

  o **MSCA Staff Exchange** (**MSCA-SE**): Promote innovative international, inter-sectoral and interdisciplinary collaboration in research and innovation through exchanging staff and sharing knowledge and ideas at all stages of the innovation chain.

Red Team

"A red team is an independent group that challenges an organization to improve its effectiveness by assuming an adversarial role or point of view."

- Wikipedia

The Red Team service is a national full proposal check -

- It is free of charge
- It uses expert reviewers of the Innovation Authority (some are also EC reviewers)
- All reviewers have signed NDA with the Innovation Authority
- The identity of the reviewer is classified
- The full proposal must be submitted **at least a month in advance** of the topic deadline by 10:00
- For EIC Accelerator only full application

Training and Additional Material

- Annotated proposal template
- Training sessions – recordings from previous events
- Newsletter & Website – events and updates

Training and Additional Material

> ISERD website – information, e-learning

> Funding and Tender portal – partner search, calls for proposals, manuals, submission,

> CORDIS – details of funded projects

Become an Expert Evaluator

Roles: Evaluator, monitor, independent observer

The **benefits** of being an **expert evaluator**:

- Learning the process and evaluating
- Learning the current thinking and state of the art
- Meeting evaluators from across Europe and themes
- Become part of the community
- Fully electronic process on funding portal
- Confirm availability for
- Expert rotation

**Industrial background / Female candidate
might give an advantage**

Our Team

> ISERD Managing Director – National Coordinator - **Ms. Nili Shalev**

> Data & Information Manager, Open Science and Ethics - **Ms. Noga Carmin**
  - o Marketing – **Ms. Shelly Bachar**

> Director: Business Development & Financial Instruments in Europe - **Ms. Sarit Kimchi**

> Director: European Research Council (ERC), Marie Skłodowska-Curie Actions (MSCA), Culture, creativity and inclusive society, Widening participation and strengthening the European Research Area - **Ms. Smadar Hirsh**
  - o National Contact Point (NCP) – Head of Sector - European Research Council (ERC), Culture, creativity and inclusive society - **Ms. Jessica Stroweis**

> Director: Innovative Europe – EIC Accelerator, European Innovation Ecosystems (EIE), European Institute of Innovation & Technology (EIT), Enterprise Europe Network (EEN) - **Ms. Lee Cohen**
  - o National Contact Point (NCP) – Head of Sector - EIC Accelerator, European Innovation Ecosystems (EIE), European Institute of Innovation & Technology (EIT), Enterprise Europe Network (EEN) – **Ms. Nirit Ossi**

Our Team

- Director: Digital, Industry, Civil Security for Society, Space and EIC Pathfinder - **Mr. Danny Seker**
  - National Contact Point (NCP) – Head of Sector – Key Digital Technologies (KDT) and Industry - **Ms. Rachel (Heli) Loutaty**
  - National Contact Point (NCP) - Head of Sector - Civil Security for Society and Idealist2020 Project leader - **Ms. Nitzan Gilad**
  - National Contact Point (NCP) - Head of Sector – EIC Pathfinder and Transition - **Ms. Tzlil Ribak**

- Director: Health; Food and Agriculture; Environment and Circular economy, Energy, Climate and Mobility - **Dr. Hagit Schwimmer**
  - National Contact Point (NCP) – Head of Sector - Health, Food and Agriculture – **Mr. Nir Shaked**
  - National Contact Point (NCP) – Head of Sector - Energy; Environment, and Climate – **Mr. Asaf Aharon**
  - National Contact Point (NCP) – Head of Sector - Transport, ETNA Project, Circular Economy, Sustainable Communities – **Ms. Ofir Weltsch**