



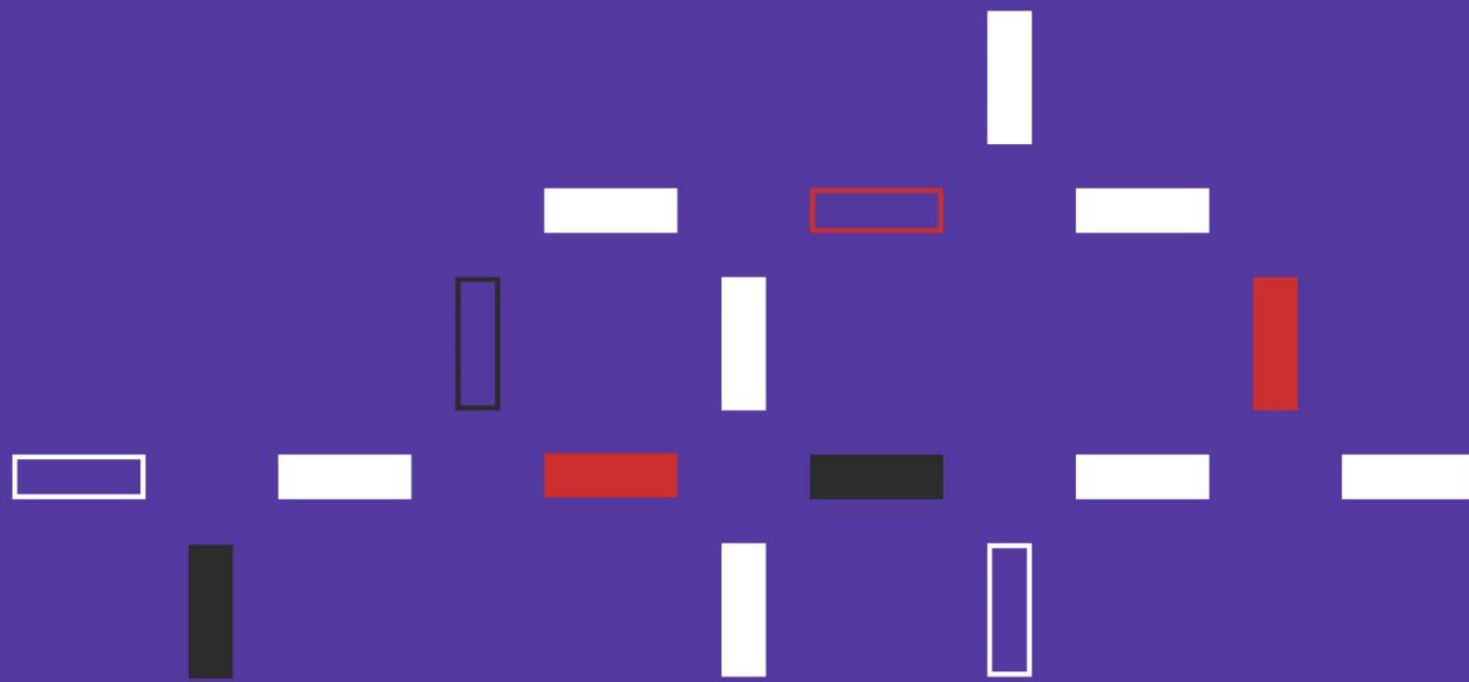
The EIC Pathfinder

Timo HALLANTIE

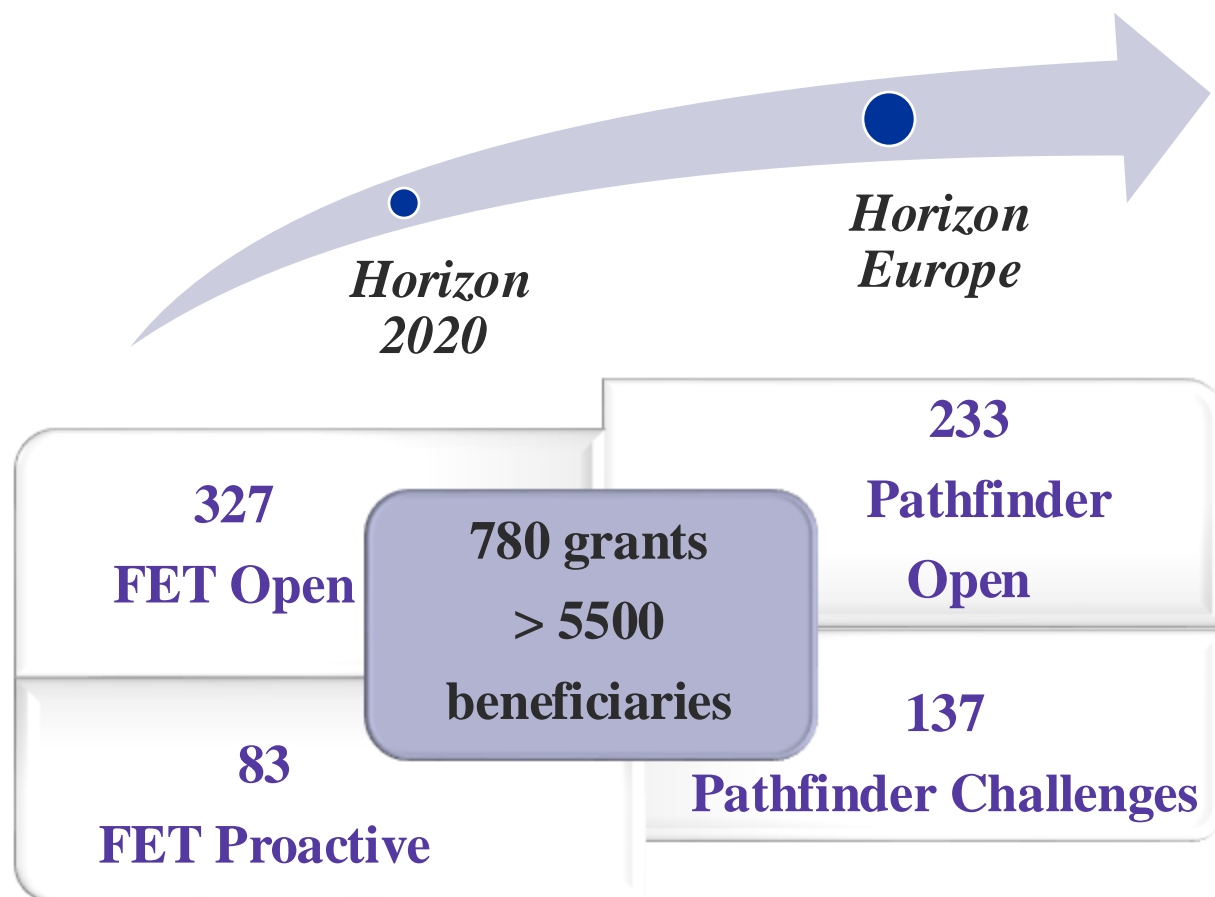
Head of Unit – EIC Pathfinder Unit

EIC Pathfinder Beneficiaries' Day

20 November 2024



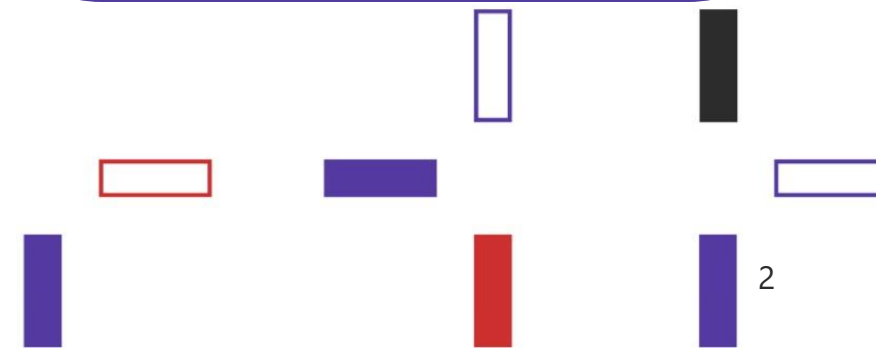
Overview



EU budget 2014-2024
~2.6 B€

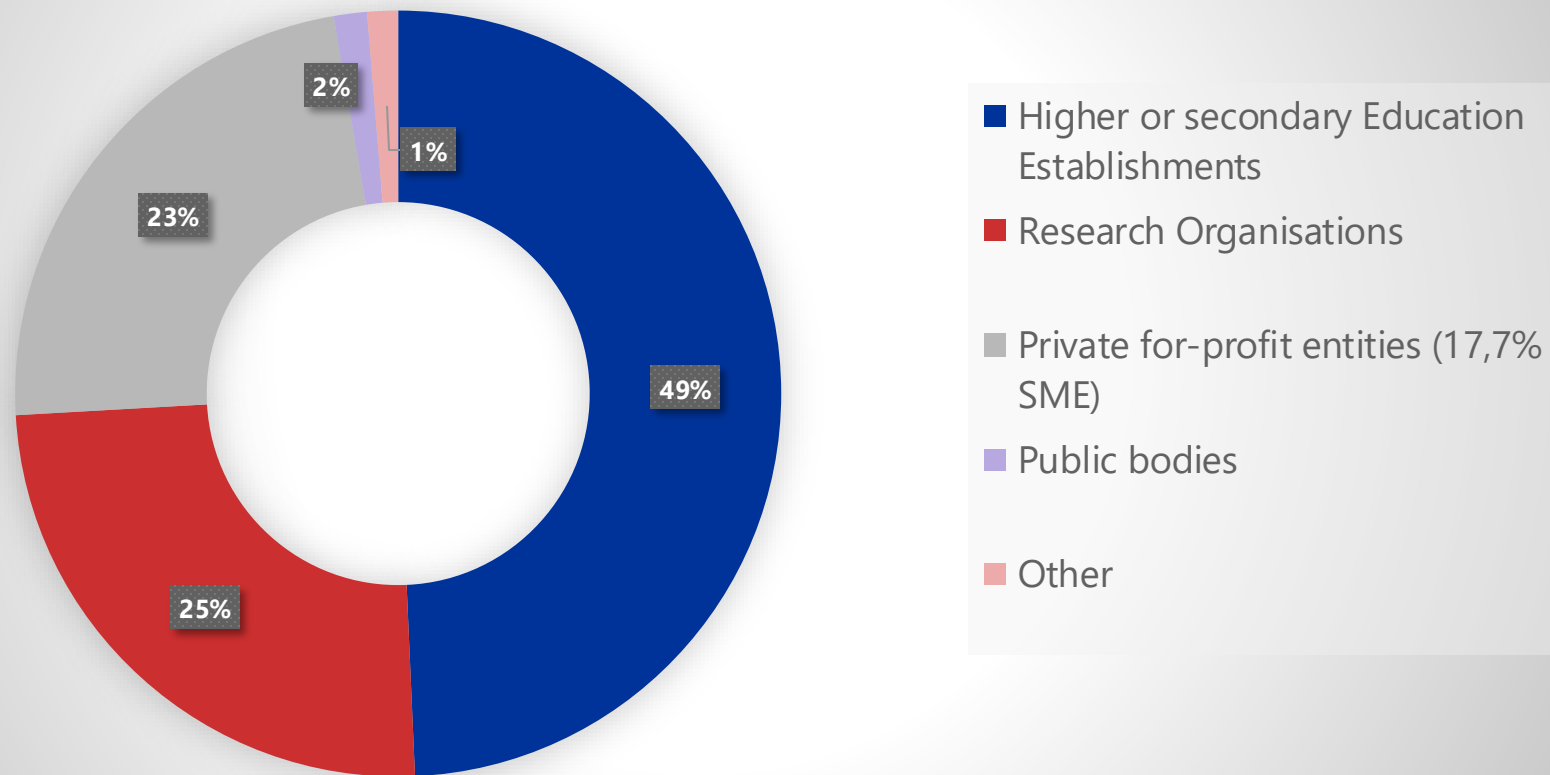
Average EU contribution/project:
3,4M

Average number
of beneficiaries/project: 7





Beneficiaries of FET/ EIC Pathfinder projects



Innovations created (1)- 'Ex-post evaluation of H2020'



FET

~120 patents applications (0,84 patent/ € 10 M)
~100 patents awarded (0,55 patent/ € 10 M)

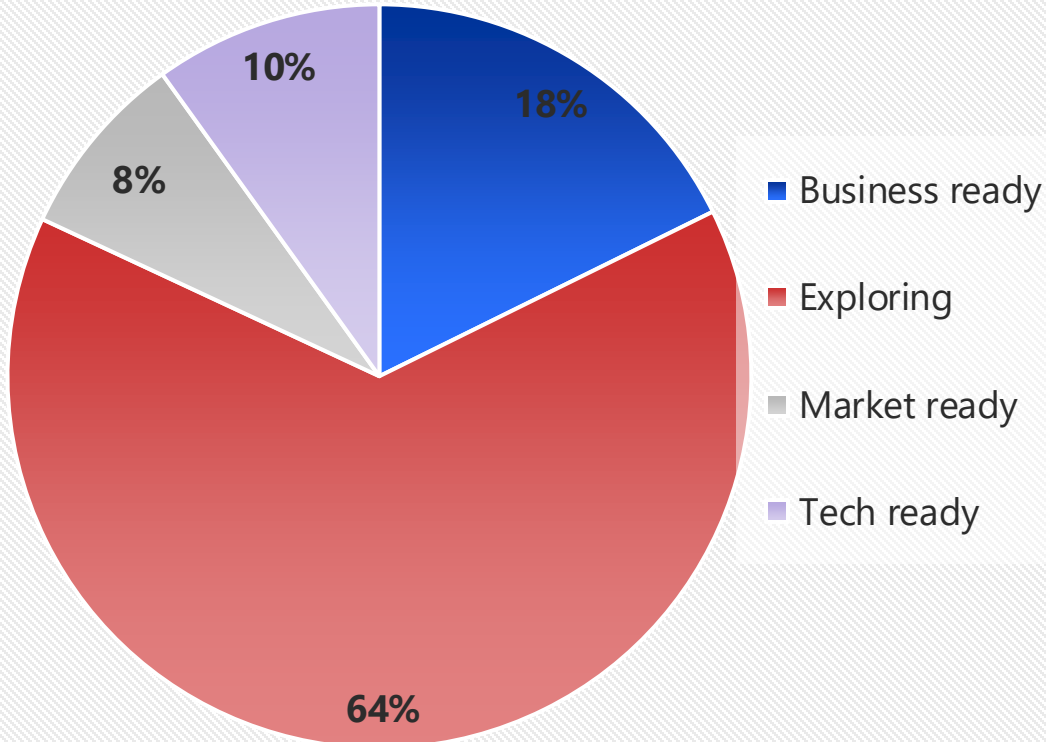
FET has met its Horizon 2020 target for high-quality publications
~66 publications/ € 10 M
~10.000 publications (90% in peer reviewed publications)

*83% of **FET projects** dealt with 'radically new' research ideas. More than 33% of **FET publications** are linked to **future and emerging research and technologies** with 1.6% being amongst the top 1% most highly cited e.g. Science or Nature, FET results were cited in many different scientific fields.*

Innovations created (2)- Innovation Radar



>2200 Innovations created



Health

Cancer
Organoids
Lab-on-chip
Advanced therapies



Space

Additive
manufacturing
Light-
weight materials
Solar
energetic particles



Food & Agriculture

Novel pesticide
Edible robot
Health management
Plant biochemistry
and physiology



Digital/ICT

Quantum
Photonics
AI/ Robotic
technologies
Computing
technologies



Energy/Env/ Green

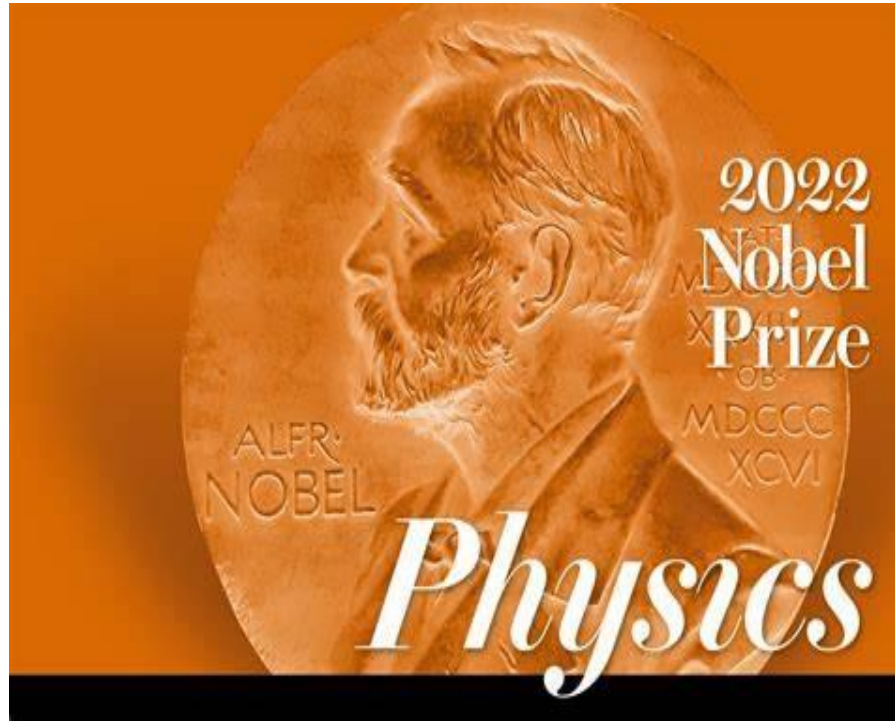
Energy conversion
Batteries
Materials
Energy harvesting
Energy storage



Manufacturing & Infrastructure

Smart/bio materials
Energy saving
Additive manufactu
ring
Engineering living
materials

Figures and impact*



Prof Alain Aspect and Prof Anton Zeilinger (former FET beneficiary)

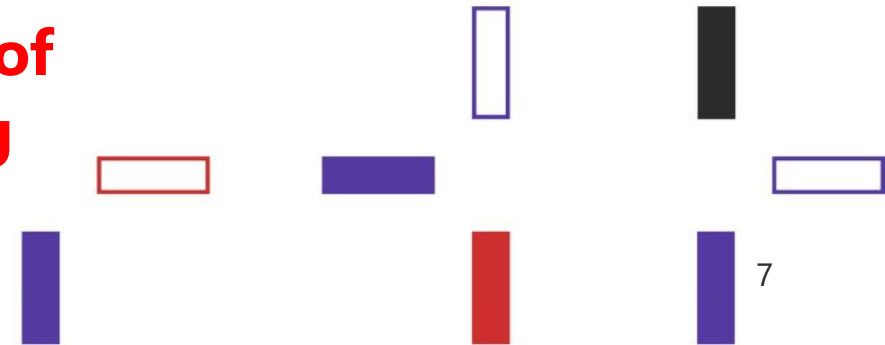
*'Most **FET researchers** said that **FET projects had advanced their careers** and enabled them **to venture** into previously **unfamiliar areas** and **disciplines** and to benefit from an **interdisciplinary approach.**'*



- The EIC Pathfinder is part of the European Innovation Council programme, Europe's flagship innovation programme.
- The EIC ultimate goals are:
 - to create societal and market impact
 - to ensure European strategic independence for key technologies
- The EIC aims to reach these goals by identifying, developing and scaling up breakthrough technologies and game changing innovations.



**The EIC Pathfinder supports early-stage development of these breakthrough technologies and game changing innovations but.....
.... in the EIC context**



The EIC Work Programme

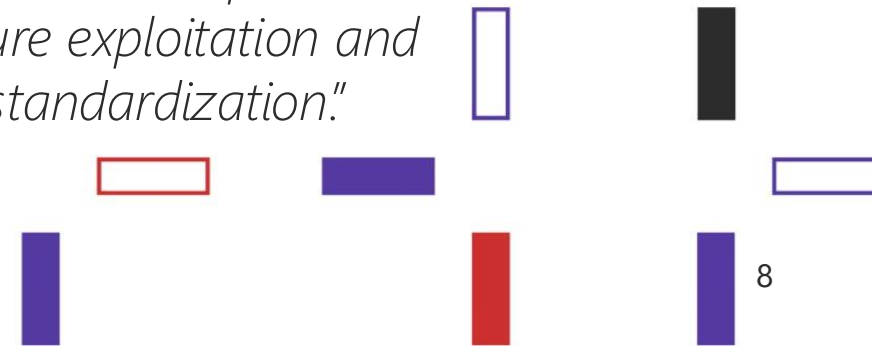


2021, 2022 and 2023 EIC Work Programmes in the EIC Pathfinder section:

EIC pathfinder consortia *"are expected to **take the necessary measures to allow future uptake** [of project results] to take place, for instance through an adequate formal protection of the generated Intellectual Property"*

2024 and 2025 EIC Work Programmes in the EIC Pathfinder section:

EIC pathfinder consortia *"are expected to **take the necessary measures** in the course of the project **to allow future uptake** [of project results] to take place. This includes: an adequate formal protection of the generated Intellectual Property (IP), a plan for future exploitation and an assessment of relevant aspects related to regulation, certification, and standardization."*



GA Project's obligations to exploit and protect



Common requirements in HE and H2020 Model Grant Agreement

- *"Each participant must examine the possibility of **protecting its results** and must adequately protect them if:
 - *the results can reasonably be expected to be commercially or industrially exploited and*
 - *protecting them is possible, reasonable and justified (given the circumstances)."**
- *"Beneficiaries receiving EU funding must – up to four years after the end of the action – use their **best efforts to exploit their results directly or to have them exploited indirectly** by another entity, in particular through licensing or transfer."*
- *[Only in HE: "If, despite a beneficiary's best efforts, the results are not exploited within one year after the end of the action, **the beneficiaries must** (unless otherwise agreed in writing with the granting authority) use the Horizon Results Platform to find interested parties to exploit the results."]*

Consortium Agreement



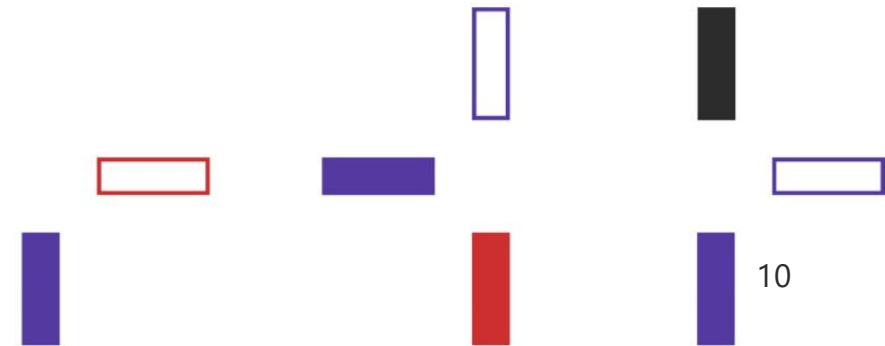
A consortium agreement must be in place before the implantation of an action. For HE projects the consortium agreement should be signed before the grant agreement signature.

WHY?

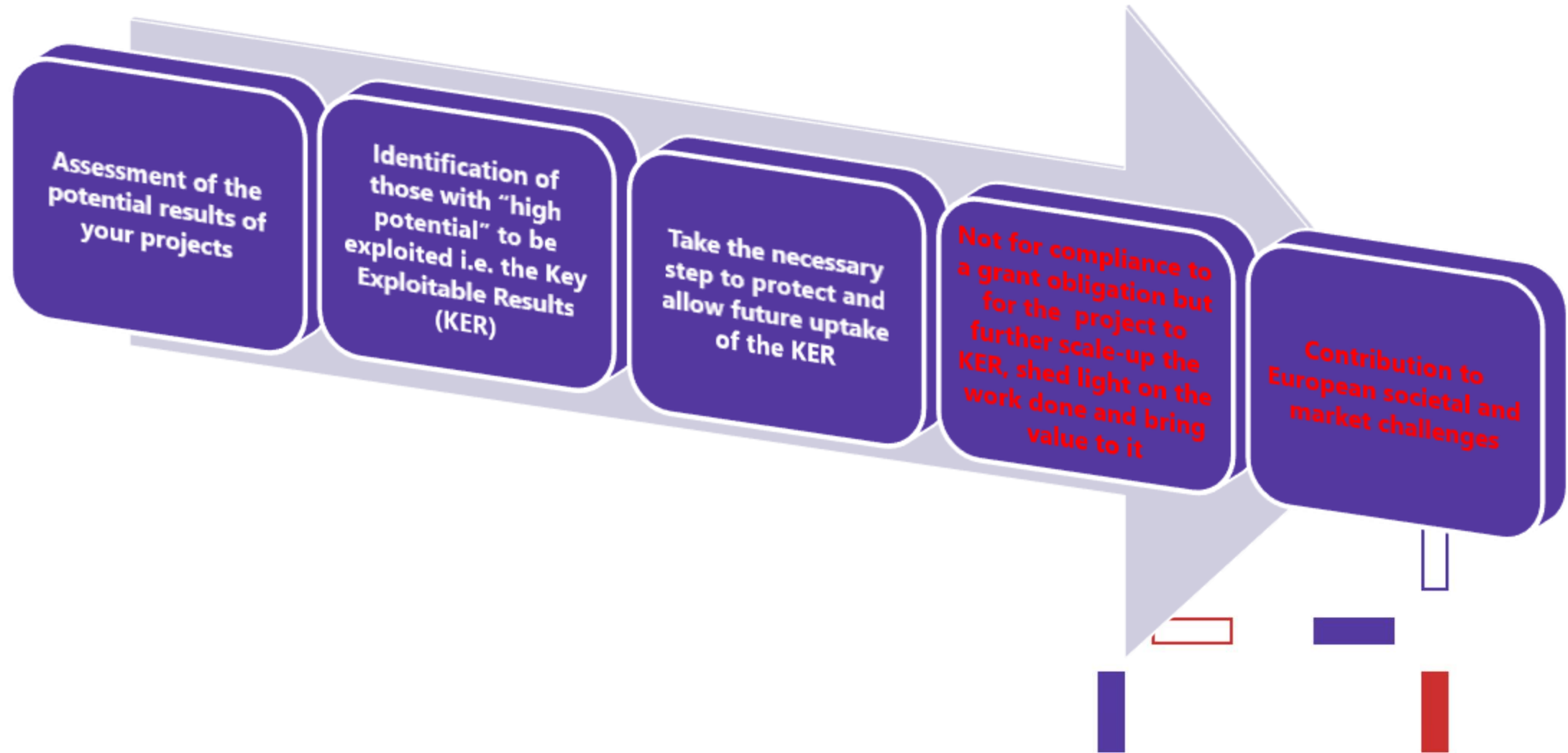
- For a smooth implantation of the project e.g. clear rules and procedure to solve disagreement.
- In the context of the exploitation and protection of the results to regulate IP issues such as:
 - Background IP needed to exploit the results
 - Identification of ownership or co-ownership of results
 - Clear rules and procedure to solve disagreements



To maximize the exploitation of the results



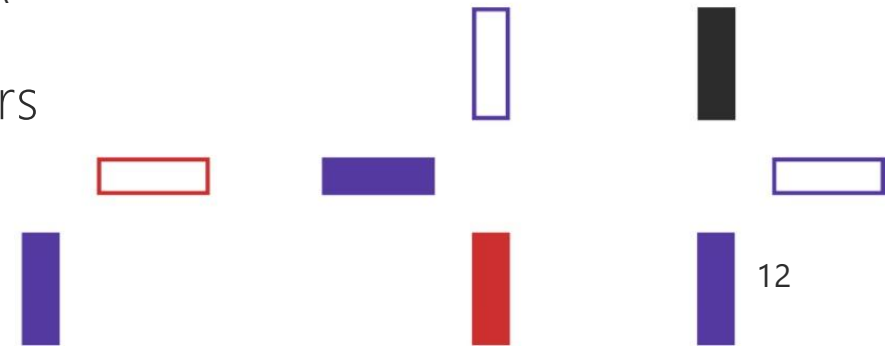
Which results? Key Exploitable Results



You are not alone: Exploitation services & proactive management



- The EIC and HE provide services to EIC Pathfinder projects to help them to protect and to take the necessary step to allow future uptake for the KERs.
- Most of these services are for free.
- The EIC has partnered also with EUIPO, EMA and other providers to offer a wide range of services related to protection and exploitation.
- These services are to:
 - empower you through learning activities
 - Provide tailor made advice to your project and, often, to the specific KER
- Proactive management of projects by EIC Programme Managers



Demonstrating the impact of the EIC Pathfinder: your reporting is key!



The continuous reporting has important implications without it there is no data to demonstrate the impact of the EIC Pathfinder.

Project Continuous Report														
Project Summary	Researchers involved in the project	Deliverables	Milestones	Critical Risks	Publications	Results	Disseminat... activities	Communic... Activities	Standards	Intellectual property rights (IPR)	Datasets	Impact	Impact Continuation	Other Results
✓	✓	i	i	✓	i	✓	✓	✓	✓	✓	✓	✓	✓	✓

If you value the EIC Pathfinder, please fill these out and keep them updated!
Thanks!



Thank you!

<https://eic.ec.europa.eu>

@EUeic

#EUeic

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