

Programme: EU-HORIZON 2020 Information and Communication Technologies - 2018-2020

Call:

FETOPEN-01-2018-2019-2020

Topic/s:

Specific Challenge:

to lay the foundations for radically new future technologies of any kind from visionary interdisciplinary collaborations that dissolve the traditional boundaries between sciences and disciplines, including the social sciences and humanities. This topic also encourages the driving role of new actors in research and innovation, including excellent young researchers, ambitious high-tech SMEs and first-time participants to FET under Horizon 2020 from across Europe.

Scope:

proposals are sought for cutting-edge high-risk / high-impact interdisciplinary research with all of the following essential characteristics ("FET gatekeepers"):

Radical vision: the project must address a clear and radical vision, enabled by a new technology concept that challenges current paradigms. In particular, research to advance on the roadmap of a well-established technological paradigm, even if high-risk, will not be funded.

Breakthrough technological target: the project must target a novel and ambitious science-to-technology breakthrough as a first proof of concept for its vision. In particular, blue-sky exploratory research without a clear technological objective will not be funded.

Ambitious interdisciplinary research for achieving the technological breakthrough and that opens up new areas of investigation. In particular, projects with only low-risk incremental research, even if interdisciplinary, will not be funded.

The inherently high risks of the research proposed shall be mitigated by a flexible methodology to deal with the considerable science-and-technology uncertainties and for choosing alternative directions and options.

The Commission considers that proposals requesting a contribution from the EU of up to EUR 3 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected Impact:

Scientific and technological contributions to the foundation of a new future technology

Potential for future social or economic impact or market creation.

Building leading research and innovation capacity across Europe by involvement of key actors that can make a difference in the future, for example excellent young researchers, ambitious high-tech SMEs or first-time participants to FET under Horizon 2020[1].

Cross-cutting Priorities:

EIC Pilot

Socio-economic science and humanities

[1]First time participation here refers to the individuals involved, not their institution or organisation.

AG1 priority fields: Agriculture; Forestry; Energy; Advanced Manufacturing; ICT; Tourism

Call Budget: 8200000000,00€

Co-funding type:

Co-funding type: € euro

Opening date: 07 Nov 2017

Deadline date: 13 May 2020; 26 Sep 2019

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Call presentation and documents: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunit...>

Field: Research

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