



Horizon 2020 IT funding for large variety of topics

ICT developments announce themselves with a pace that is hard to match. Cyber security, blockchain technology, artificial intelligence, big data. More and more, they control our lives, and there is no end to it. But these developments also contribute to solving societal issues, according to the European Commission. In the Horizon 2020 ICT programme, the Commission therefore makes funding available for these and many other ICT topics. Are you working on ground-breaking ICT solutions? Then the time for action has come. The first deadlines are in April!

Goal of Horizon 2020 ICT

Digital technologies support innovation and competitiveness throughout all sectors. They play a crucial part in solving societal issues and make scientific progress possible in all disciplines. Because of that, the topics of the Horizon 2020 ICT Work Programme encompass the whole of ICT technology. From technologies for digitalising the European industry, High Performance Computing, Big Data and Cloud up to 5G and Next Generation Internet. The activities in the Work Programme remain focused at stimulating more 'innovation orientation', to ensure that the EU industry remains strong in these core technologies, which are the foundation of our future value chains.

Horizon 2020 ICT focus areas

With our customers and relations, we have studied the ICT Work Programme. We see great possibilities for developing European collaborative projects that enable technological breakthroughs in areas such as:

- *Blockchain and distributed ledger technologies for SMEs*
Blockchain and other 'distributed ledger technologies' (DLTs) allow parties that are geographically far apart or that have no mutual trust, to exchange information on a peer-to-peer basis, with less to non-existing central intermediaries. Aside from known applications in the financial sector – think of bitcoins – there are new developments in other areas as well.
- *Internet of Things (IoT)*

Internet of Things (IoT) technologies and applications are bringing fundamental changes to all sectors of activity and are therefore an essential element of the Next Generation Internet. The challenge is to leverage EU technological strength to develop the next generation of IoT devices and systems that build on enhanced sensing/actuating, reasoning capabilities and computational power to the edges.

- *Next Generation Internet – An Open Internet Initiative*

This initiative is aimed at the development of a more human-centric Internet, to support the values of openness, cross-border collaboration, decentralisation, inclusiveness and protection of privacy, and returning control to users to increase trust in the Internet.

- *Supporting the emergence of data markets and the data economy*

The lack of trusted and secure platforms and privacy-aware analytics methods for secure sharing of personal data proprietary/commercial/industrial data hampers the creation of a data market and data economy by limiting data sharing mostly to open data.

Who can apply for Horizon 2020 ICT?

You can apply for funding under Horizon 2020 ICT if you are a university, research institute, SME or larger business. Most of the time, you need to be part of a partnership.

Want to know more?

Do you have ideas or plans in Horizon 2020 ICT's focus areas? Perhaps you want to link with a running project in one of these areas? Or do you want to know more about (one of) the other topics within the programme? [Feel free to contact one of our ICT experts.](#)