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Understanding the human brain is one of the greatest challenges facing 21st century science. The goal of the Human Brain Project, part of the FET Flagship Project, is to use IT as a catalyst for a global collaborative effort to better understand the human brain and its diseases. HBP will also deliver revolutionary computing technologies mimicking the brain with its power, fault-tolerance and consumption efficiency.

The Human Brain Project is a ten year effort starting with a ramp-up phase of 36 months, covered by this Grant Agreement. The HBP ramp-up will design, develop and deploy the first versions of six IT platforms dedicated to
Neuroinformatics, Brain Simulation, High Performance Computing, Medical Informatics, Neuromorphic Computing and Neuro-robotics.

It will also create a user community of research groups from within and outside the HBP using the platforms; set up a European Institute for Theoretical Neuroscience; and complete a set of pilot projects providing a first demonstration of the scientific value of the platforms and the Institute.

HBP will also develop the scientific and technological capabilities required by future versions of the platforms; implement a policy of Responsible Innovation (ethics and society dimensions) and a programme of transdisciplinary education. It will develop a framework for collaboration that links the partners under strong scientific leadership and management, providing a coherent European approach and ensuring effective alignment of regional, national and European research. This cooperation is further supported by an ERA-NET project called FLAG-ERA.

See also:
The Human Brain Project [2]

Project:
Human Brain Project

Project Acronym:
HBP

Read full text [3]

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