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The US	EU	Japan	China
 Brain Initiative: Exploration on how human brain works (initiated in 2013, US\$4.5 billion) SyNAPSE: Development of large-scale electronic neuromorphic computer prototypes (2008– 2016) 	 Human Brain Project: Study on information communication technologies and healthcare in the future (initiated in 2013, EUR1 billion) 	 Brain/Minds: Study on a marmoset's brain to look into the brain functions and diseases (initiated in 2014, US\$270 million) 	 China Brain Project: Research into the neural basis of cognitive function, with additional goals of improving diagnosis and prevention of brain diseases, and driving AI projects that are inspired by the brain (The project has been initiated in regions and supported by the nation with an expenditure of CNY10 billion.)
SyNAPSE: • Application of a new computing system with ultra- low power consumption (led by IBM) (TrueNorth chip, system architecture design, and algorithm implementation) Development of computing systems with cognitive, learning, and inference capabilities, emphasizing autonomic learning capabilities (research on class- brain chips based on memorials) (led by HRL)	Human Brain Project: • Neuroscience, medicine, and computing in the future • Human brain strategic data, cognitive behavioral architecture, theoretical neuroscience, neuroinformatics, brain simulation, high-performance computing platform, medical informatics, neuromorphic computing platform, neuromorphic robot platform, and analog application	Brain/Minds: • Brain function locating using the functional MRI and other technologies • Collection and analysis of related research information, such as brain imaging	 Local brain project Chinese Academy of Sciences established a brain-like intelligence research center and a neural computing group. The study scope includes algorithm models, information processing and brain simulation (cambrian series neural network accelerator). Tsinghua University set up the Center for Brain Inspired Computing Research (CBICR): brain system engineering that involves system design, and hardware materials (Tianji brain like chips)











