

Outline of the Program and Moonshot goals

Outline

In order to develop radical solutions for difficult societal challenge, Government of Japan (GOJ) set inspiring and ambitious goals for challenging R&D.

Goals

To realize “Human Well-being”, 6 Moonshot goals (MS goals) were decided in the area of social, environment and economics. (Council for Science, Technology and Innovation. Jan.23th, 2020)

3 target areas for goal setting

Social

Turning the aging society into the innovative and sustainable society by harnessing diversity through techno-social transformation

Environment

Recovery for global environment and growth of civilization

Economics

Exploring frontiers with science and technology

6 MS goals to be achieved by 2050

Goal 1 : Realization of a society in which human beings can be free from limitations of body, brain, space, and time by 2050.

Goal 2 : Realization of ultra-early disease prediction and intervention by 2050.

Goal 3 : Realization of AI robots that autonomously learn, adapt to their environment, evolve in intelligence and act alongside human beings, by 2050.

Goal 4 : Realization of sustainable resource circulation to recover the global environment by 2050.

Goal 5 : Creation of the industry that enables sustainable global food supply by exploiting unused biological resources by 2050.

Goal 6 : Realization of a fault-tolerant universal quantum computer that will revolutionize economy, industry, and security by 2050.

“Moonshot for Human Well-being”