Recommended Moonshot Goals by the WGs

Dec. 18, 2019
SATO Fumikazu
Deputy Director General, Cabinet Office
Government of Japan
MS Goal candidates (1)

**WG1: Expanding human potential for a society where everyone can pursue their dreams**

By 2050, realization of a society in which human beings can be free from their limitations of body, brain, space, and time with harmonious empowerment.

**WG2: Realizing a human life that “continues to improve both physically and psychologically” through complete understanding of biological functions**

By 2050, realization of ultra-early disease prediction and intervention based on the Whole Body Network Atlas for longer, fuller and happier lives.

**WG3: Expanding frontiers through co-evolution of AI and robots**

By 2050, a robot can autonomously learn, adapt to the environment, evolve itself in intelligence and act with human beings.
MS Goal candidates (2)

**WG4: Sustainable resources circulation for global environment**

Realization of sustainable resources circulation to recover the global environment by 2050.

**WG5: Innovation for future agriculture –satisfying both food production and environmental conservation**

Creating a new food production system by 2050, which will enable both an "expansion of the amount of food supply" and "conservation of global environment".

**WG6: Creating innovative non-traditional sciences and technologies based on quantum and related phenomena**

Realize a fault-tolerant universal quantum computer that will revolutionize economy, industry, and security by 2050.
The Way Forward

- Taking into account of the outcomes of the Moonshot International Symposium, CSTI will decide the Moonshot Goals.
- Funding Agencies will call for Project Managers (PMs)* and their proposals on Moonshot research from around the world.

*Any nationalities are welcome to be PMs, but PMs are principally based in Japan upon assignment.

31 July, 2019
Recommendation on Areas, Visions and examples of Moonshot Goals by the Visionary Council

17-18 Dec., 2019
Moonshot International Symposium

Early 2020
Decision on the Moonshot Goals by CSTI
Nomination of Program Directors (PDs) for each Moonshot Goal
International Calls for PMs and their proposals on Moonshot research
Start of Moonshot research

CSTI: the Council for Science, Technology and Innovation
Moonshot Management

- Portfolio Approach
- Integrity and Reciprocity for International Collaboration
- Full Initiative by Program Director
- Cross Sectional Discussion and ELSI
- Advanced Research Data Management

ELSI: Ethical, Legal and Social Implications
This is a new year’s dream for human being.

Moonshot for Human Well-being