

Summary of Opinions Given at the 2nd Visionary Council

<Program Design>

1. Devising a mechanism with a view to social implementation
 - ✓ It is important to institute a system equipped with a framework for social implementation as well as technology development. (All members)
 - ✓ It seems that the Moonshot Research in the 21st century is likely to be research which assumes change in the social system as well (a type in which technology and social change are combined) as many issues today cannot be solved by technology alone without social change. If this is the case, we need a mechanism which helps business-academia collaboration and international networks to be launched at quite an early stage or encourages venture firms which grow rapidly while creating many spinouts to help solve issues. (Hiroaki Kitano, Yoichi Ochiai)
 - ✓ Creating innovations that change a society may require cutting into vested interests protected by laws and others. We need to proceed with research and development in both politics and technology. (Yoichi Ochiai)
 - ✓ While we aim for radical innovation, we need a mechanism through which it will lead to disruptive innovation. (Hiroaki Kitano)
2. Devising a global and open mechanism
 - ✓ We should aim for an ecosystem in which Japan can exercise leadership globally. (Naohiro Nishiguchi)
 - ✓ Japan should have plenty of mettle to involve and affect the whole world. (Hiroaki Kitano)
 - ✓ Projects must have an open mechanism at the time of implementation as well. They should set an example concerning the issues related to careers of postdoctoral researchers and female researchers. (Taiyo Fujii)
 - ✓ It is extremely important to have humanities scholars on board. We should aim for solving issues faced by people whose voices are unheard and those who are suffering. (Marissa Ozaki)
 - ✓ The Program should include development of an ecosystem which incorporates social implementation as well as technology development, optimum utilization of global human resources, and approaches from humanities and social sciences which take social acceptance into account. (COCN)

<Setting Targets>

1. Approach and Criteria for Setting the Moonshot Targets

- ✓ Targets should be refined so much that they can be expressed concisely. They should be grand enough to change the future of humanity. As well, they should not be mere slogans but targets which provide hope in extremely difficult challenges or can gain strong support and present a future vision with commitment. (Hiroaki Kitano)
- ✓ It is important to have targets that help design a new social system which may require change of laws. (Naohiro Nishiguchi)
- ✓ I feel that we need to show commitment in a concrete manner by, say, creating a carbon dioxide market aimed at halving the CO2 emissions in Japan in an effort to achieve our mission of recycling CO2. (Taiyo Fujii)

2. Research and development to be covered by the Program

- ✓ Unknown challenges may be found in nothing but matters which no ministries or agencies are taking care of on a regular basis. We may find innovative ideas in matters that have been considered taboo and not been discussed. (Yoichi Ochiai)
- ✓ In light of the fact that many of issues today are caused by cities, we should study a new concept of cities for the latter half of the 21st century. (Manabu Miyasaka Chairman, Yahoo Japan)
- ✓ Japan is a developed country facing challenges such as rapidly aging population and shrinking working population, so what about contributing to solving the world's problems by demonstrating new technology can increase productivity of every person and that motivated senior citizens can continue to work and promoting ideas like these as Japan Model? (COCN)
- ✓ Japan is a world leader in reproductive medicine. As it has an impact on life plans of men and women and the working population, why not invest in technology related to pregnancy and delivery? (Marissa Ozaki)