



Phased array weather radar

NICT Charter

Humanity has achieved progress as it has deepened its mutual understanding and shared its wisdom, overcoming barriers due to national, regional, ethnic, generational, and other differences. Communication is the most critical activity in human society, and information and communications technology (ICT) is the basis of that communication. ICT is also the infrastructure that supports humanity's advanced intellectual and economic activities.

The National Institute of Information and Communications Technology (NICT) promotes the full spectrum of research and development in ICT from basic to applied research with an integrated perspective, and thus promotes the advancement of Japan as an intellectual nation that leads the international community. Moreover, NICT forms close ties with the academic and business communities in Japan as well as with research institutes overseas and returns its R&D findings to society in a broad range of fields. In this way, NICT contributes to the creation of lifestyles that are affluent and safe, a society that is full of intellectual creativity and dynamism, and a world that values harmony and peace.

Message from the President



As Japan's sole public research institute specializing in the field of information and communications technology (ICT), the National Institute of Information and Communications Technology (NICT) has as its mission, to find solutions to social issues and to create new value by advancing ICT. To realize this mission, every day we engage in research and development on leading-edge technologies, and drive efforts to advance open innovation, expanding and implementing these technologies in society.

In our fourth Medium- to Long-Term Plan that started in April 2016 (FY2016 to FY2020), we identified five foundations:

1. Sensing fundamentals, to "Watch" the real world through ICT.
2. Integrated ICT, to "Connect" society through wireless and optical communications technologies.
3. Data utilization and analytics platforms, to "Create" new value through data utilization.
4. Cybersecurity, to "Protect" society from increasingly complex and sophisticated cyberattacks.
5. Frontier research, to "Develop" new horizons in information and communications.

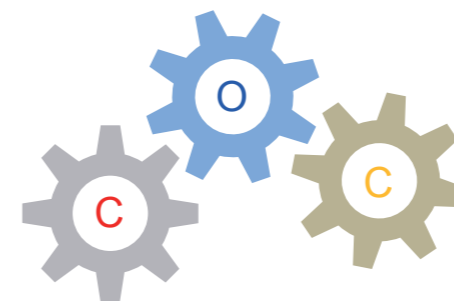
To promote basic and foundational R&D and also to maximize R&D results while using limited resources, we have initiatives to create innovation, by enhancing cooperation within the institute, and to accelerate innovation, by organically linking internal and external capabilities through an open environment. We are consolidating systems and strongly promoting these initiatives.

In order to advance world-leading research and development, NICT is conducting R&D with three management concepts. The first is "Collaboration" beyond just our own research, with various stakeholders in industry, academia, government, and research institutes in Japan and abroad. The second is "Open Mind and Open Innovation," to establish an innovation ecosystem of technical and social innovation through activities based at these various stakeholders. And the third is to always maintain a "Challenger Spirit," in our activities, to make NICT the premier ICT research institute in the world.

It is my hope that this report will help provide a better understanding of NICT's activities and will be used to promote still greater collaboration with NICT. We look forward to your continuing support and cooperation in these endeavors in the future.

Leading the World Regarding Three Concepts

- Collaboration
- Open mind and open innovation
- Challenger spirit



President of the National Institute of Information and Communications Technology

Dr. Hideyuki TOKUDA