

UNESCO Activities in Japan Towards Achieving the SDGs

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文部科学省
MEXT
MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

What is happening now ? -Breakthroughs of technologies-

- **【IoT】** All the information on businesses in the real world is digitalized and could be exchanged through the Internet
- **【Big Data】** Large amount of data could be collected, analyzed, and utilized for creation of new value.
- **【Artificial Intelligence (AI)】** Computer could learn itself and is capable of advanced judgment beyond human beings.
- **【Robot】** Robotics enables automation of diverse and complex tasks.

→ **New society, which is thought not to be realized, could be realized.**

Both industrial and employment structures could dramatically change.

Increase of Data
volume

The data amount in the world
doubles every two years.

Improvement of
Processing Performance

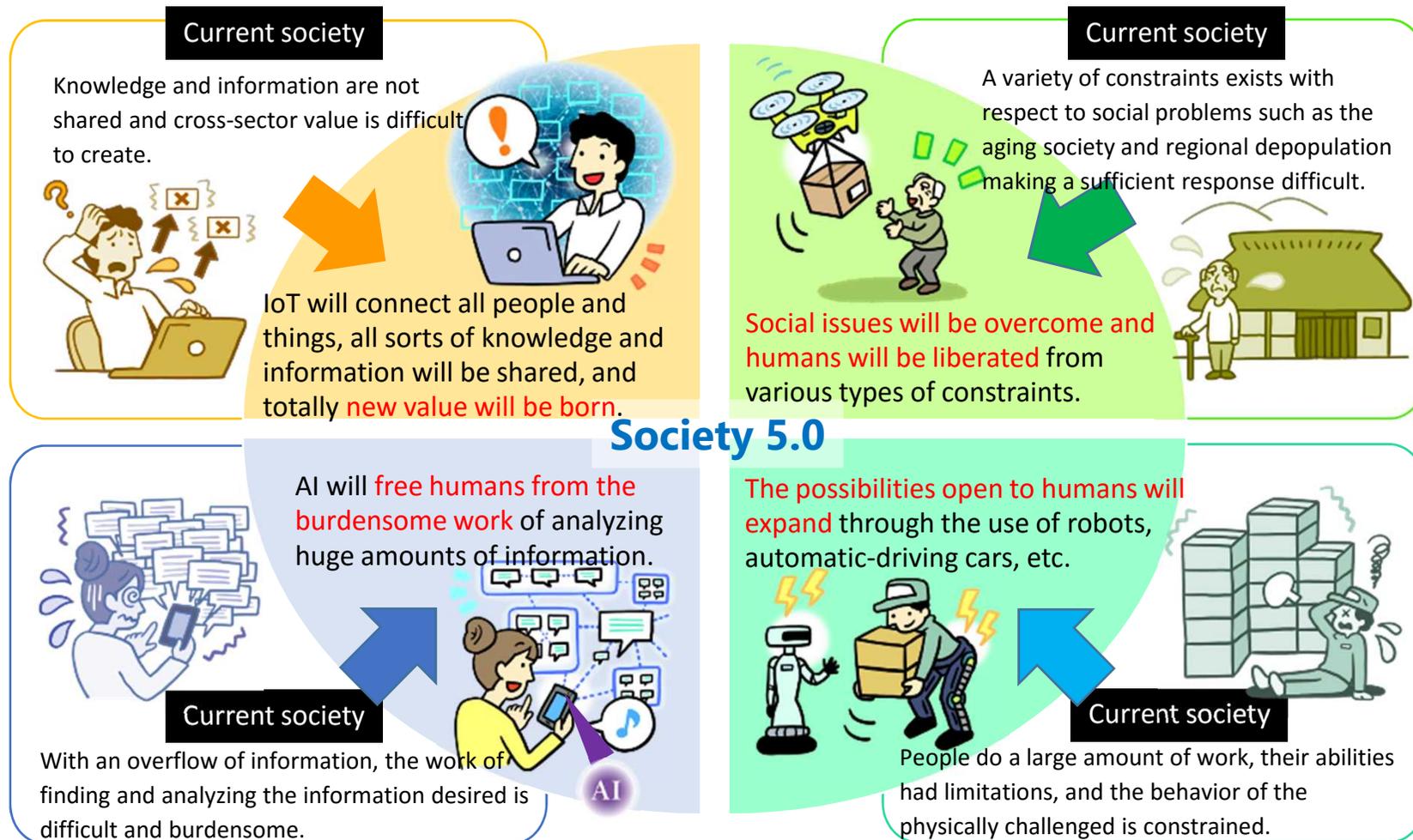
Processing performance of
hardware improves
exponentially.

Disruptive Progress of AI

AI technology disruptively
progresses through deep
learning and other
technologies

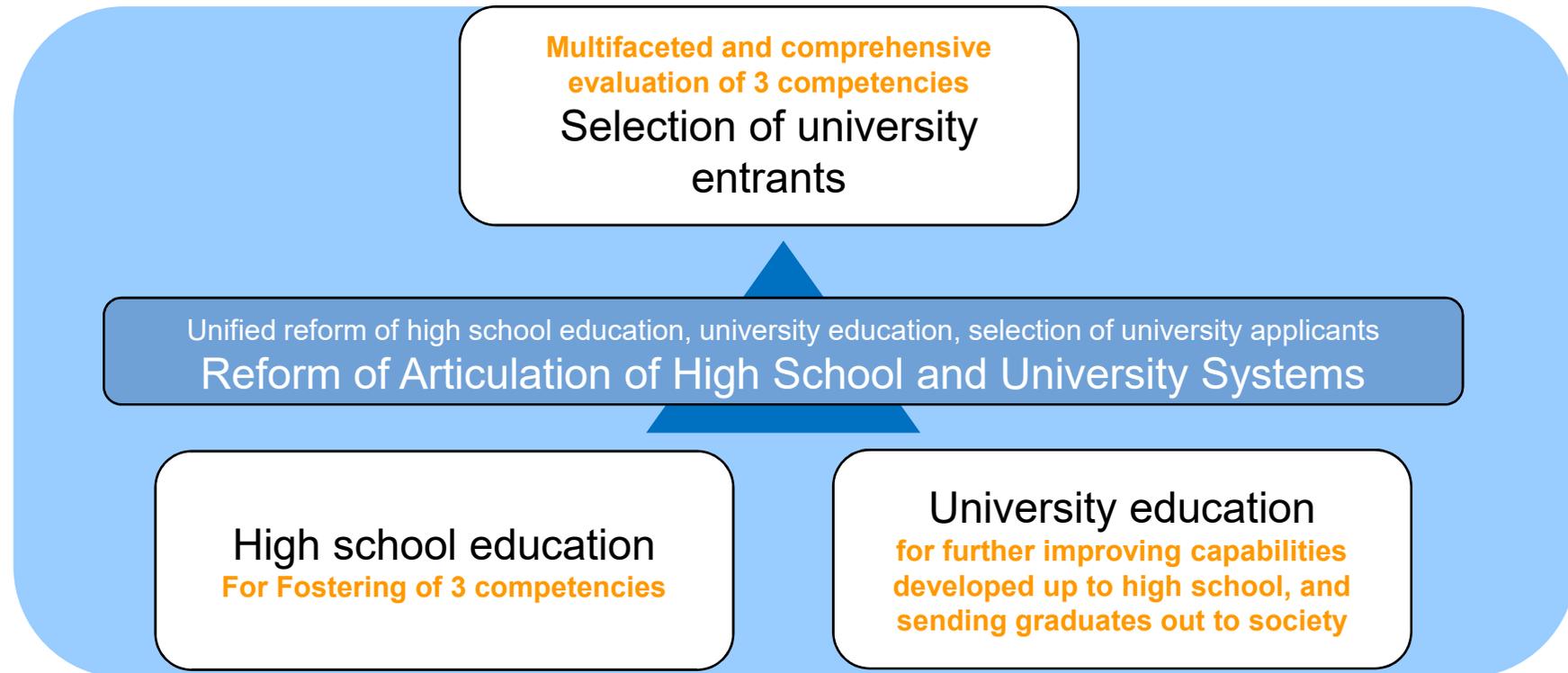
What is "Society 5.0"?

- Realize the advanced fusion of cyberspace and physical space
- To balance economic advancement with the resolution of social problems
- Bring about a human-centric society

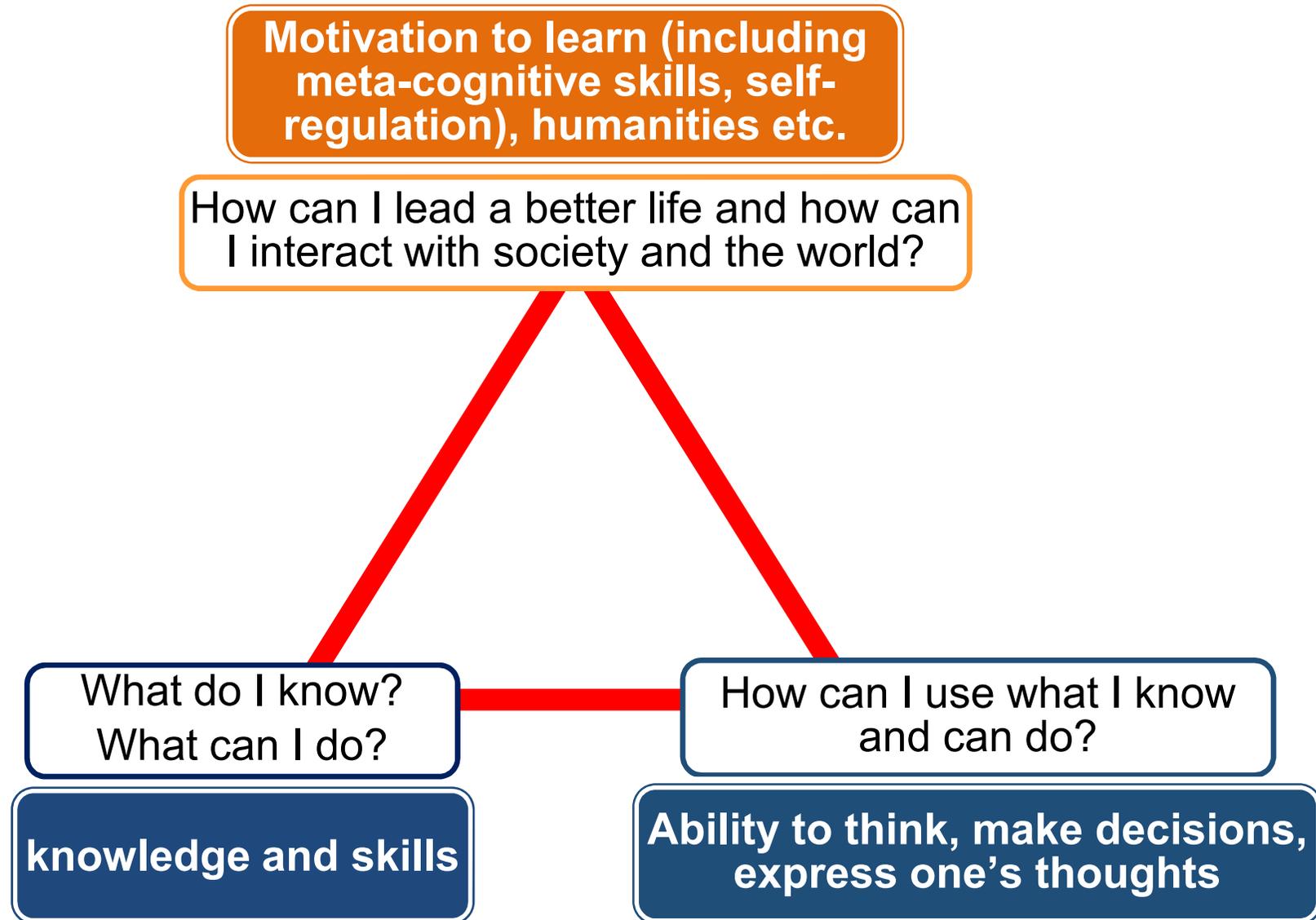


Reform of Articulation of High School and University Systems

Through the reforms for high school education, university education, and the selection of university entrants undertaken in the reform of the articulation of the high school and university systems, the certain fostering and evaluation of the capabilities necessary for the leaders who will build sustainable societies, and the integrated reforms of these three areas are essential. We are steadily moving forward with efforts for these reforms.



Three Pillars of Competencies Required in Each Subject



Education for Sustainable Development, ESD, contributing to the realization of the SDGs

By fostering the leaders and citizens who will build sustainable societies, ESD contributes to the achievement of all the SDGs.

*-Reaffirms **education for sustainable development** as a vital means of implementation for sustainable development, ... and as an integral element of the Sustainable Development Goal on quality education and **a key enabler of all the other Sustainable Development Goals**.*

(Resolution of UN General Assembly 72/222.)



In Japan, ESD is promoted at every stage of school education, from primary and secondary education to higher education.

The Third Basic Plan for Promotion of Education (Approved by the Cabinet in June 2018)

Part II Aims of education policies and policy measures for the next five years

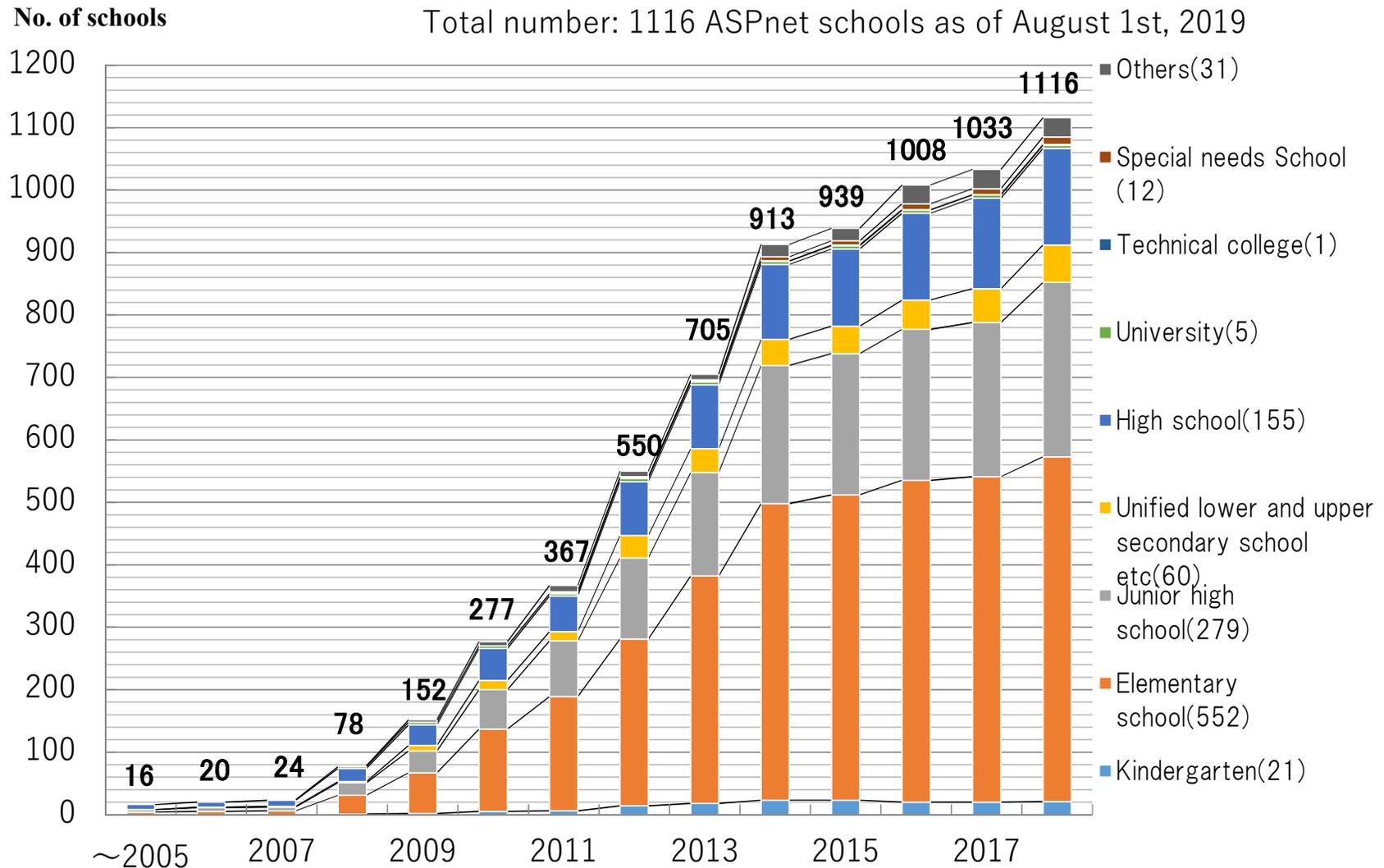
Primary and Secondary Education – Japan will enhance the activities of UNESCO Associated Schools, which have been positioned by Japan as the hubs for promoting ESD, and will disseminate successful ESD cases and good practices throughout Japan. The government will promote the practice and diffusion of ESD and exchanges among schools in order to deepen awareness and understanding of ESD. Through these efforts, **future leaders who will build a sustainable society will be fostered.**

Higher education – The government will promote the implementation of ESD through cooperation among diverse regional stakeholders (schools, boards of education, companies, NPOs, social education facilities, etc.) and deepen awareness of ESD to contribute to the achievement of the SDGs through interdisciplinary efforts. Through these efforts, young people will consider global problems as their own, and by thinking globally and acting locally, **they will become leaders who will build a sustainable society.**

The UNESCO Associated Schools Project Network (ASPnet) in Japan

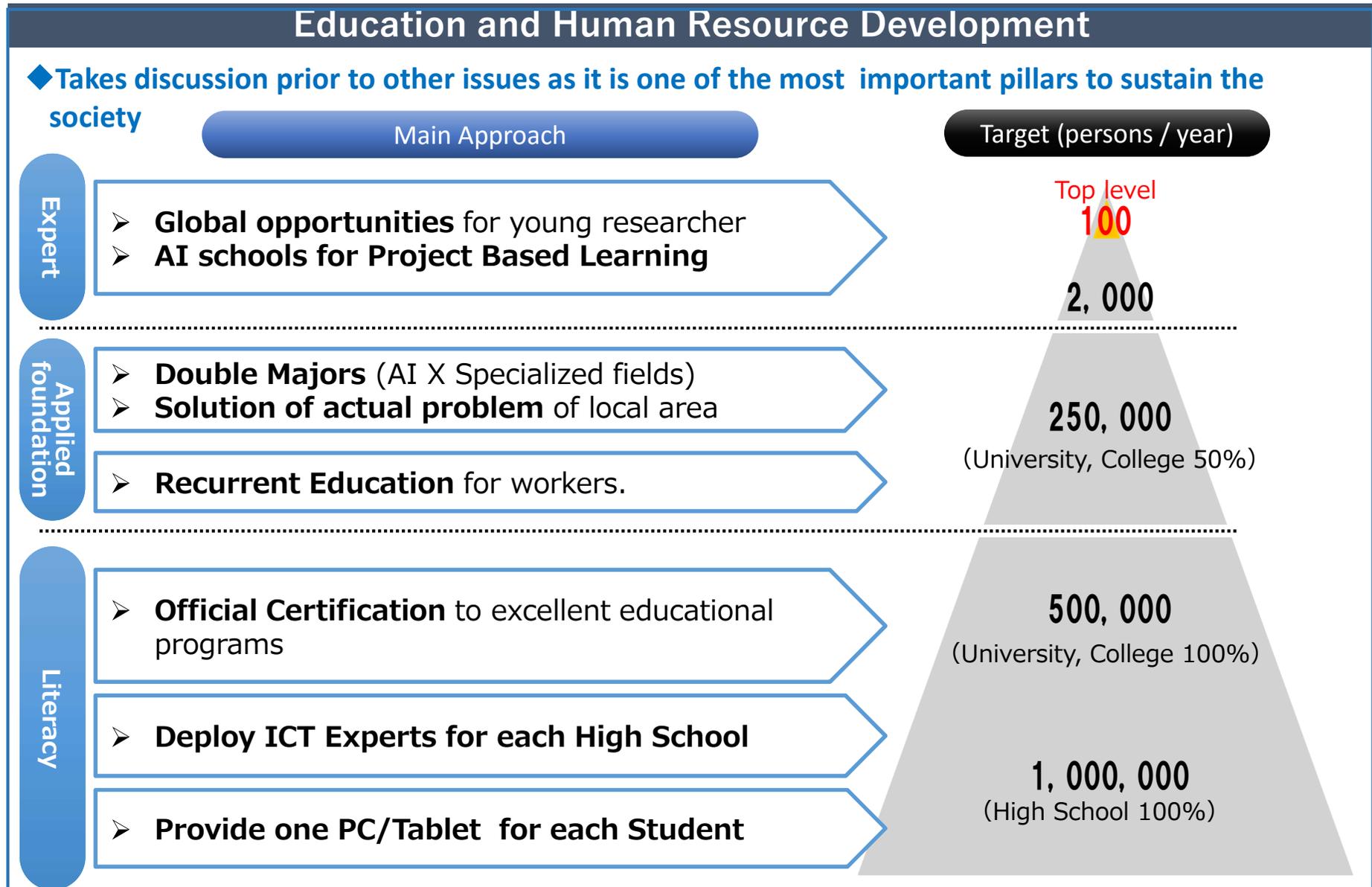
ASPnet schools are hubs to promote ESD in Japan

MEXT and the Japanese National Commission for UNESCO have positioned the UNESCO ASPnet Schools as hubs to promote ESD and are working on increasing the number of member schools. In addition, guidelines for ASPnet Schools have been prepared in order to ensure their quality.



Proposal of Japan's AI Strategies

- Society 5.0 is a grand concept to realize a human-centric society through the utilization of STI, especially AI technology
- AI Strategy is being formulated based on "AI social principles", which shares desired future visions with the society



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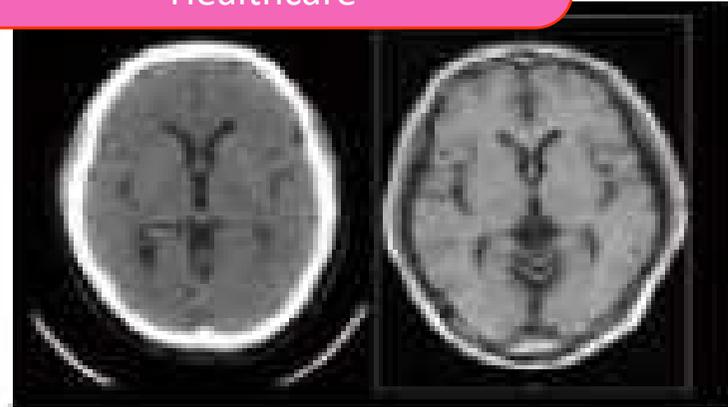
Deployment to Real-World

◆ Lead the world in the social implementation with human-centric approach

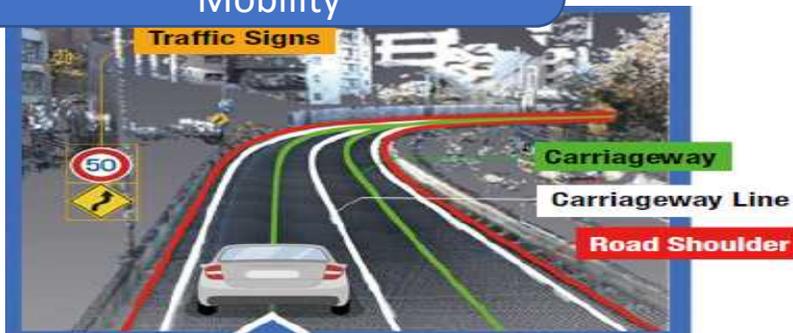
Agriculture



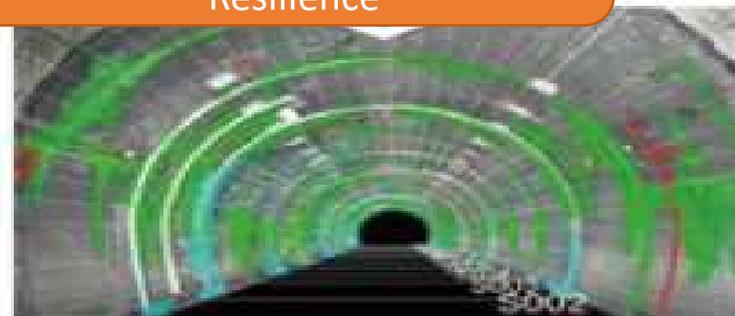
Healthcare



Mobility



Resilience

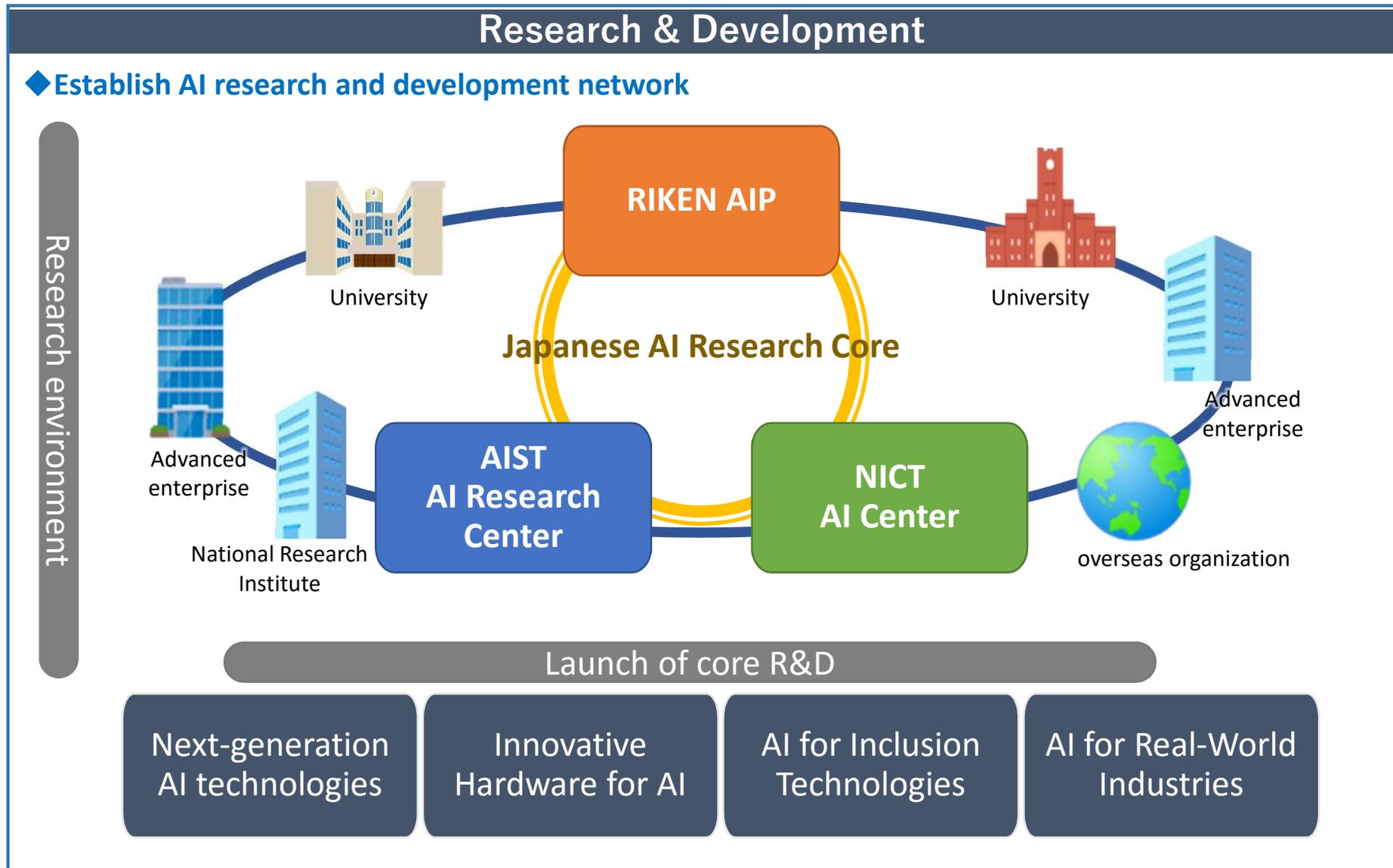


Regional revitalization (Smart City)



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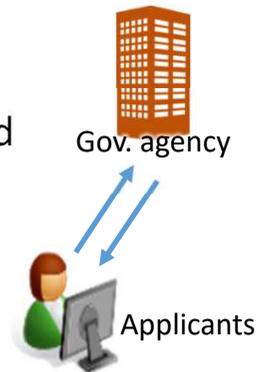
Digitalization of Government

◆ Accelerate digital transformation of the government, business and society

Principles of Digital Transformation Bill (submitted)

Digital-First

- Electric application system to all administrative procedures.
- Set data requirements instead of format and style requirements.



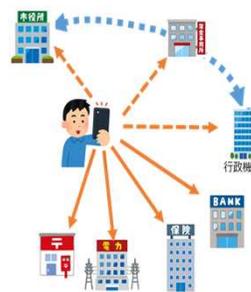
Inclusive (Digital Divide)

- Support to improve digital literacy
- Design human-centered/oriented digital services



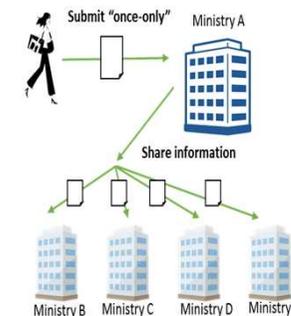
One-stop

- Promote one-stop services for procedures of "elderly care", "death and inheritance", "moving", and "social insurance and tax", etc.

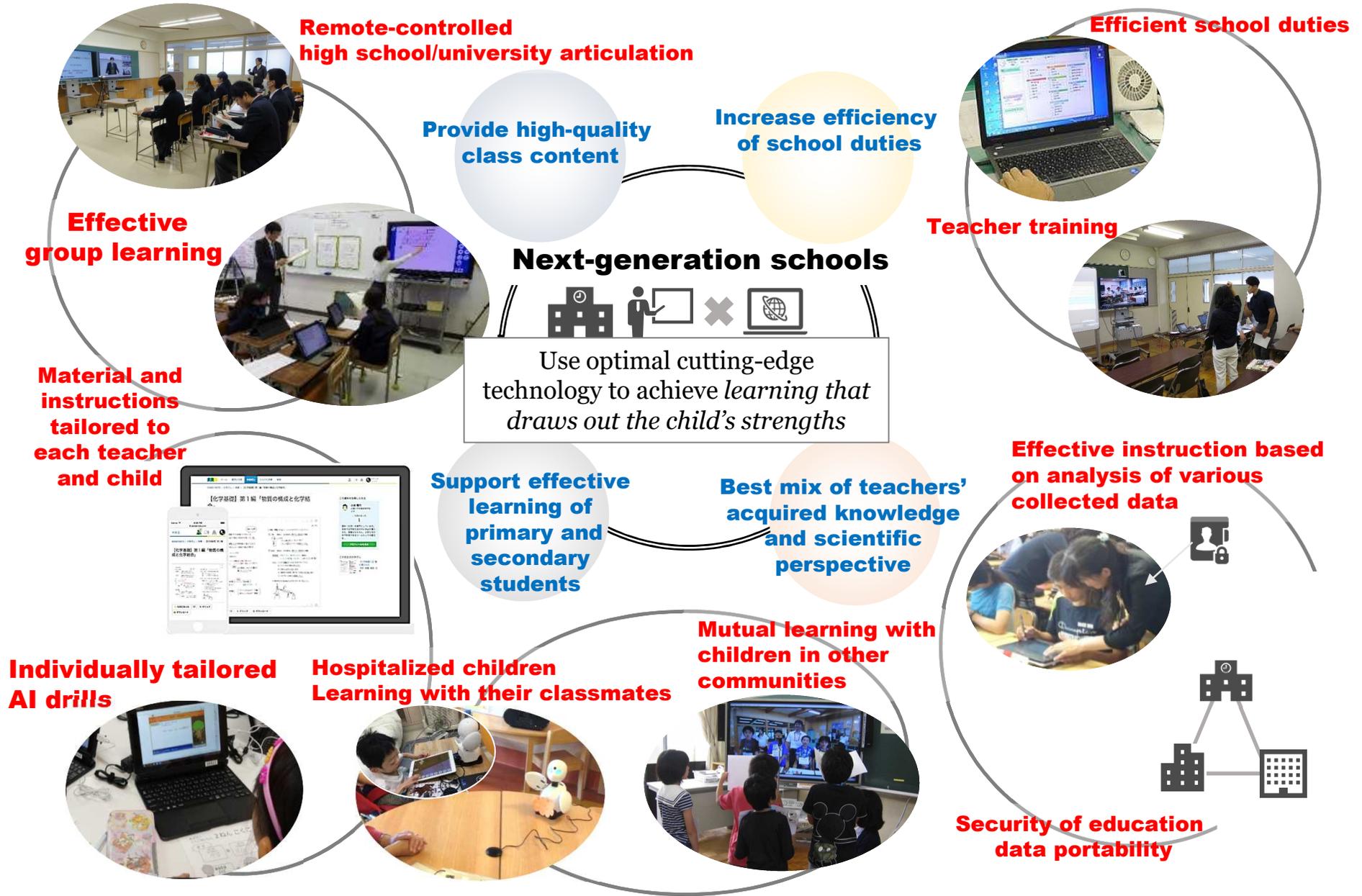


Once-only

- Realize "Once-only" environment in administrative procedure



Next-Generation Schools with Advanced Technology





Your everyday life will make a future.

Thank you



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