



Subcommittee on Digital Green

Continuous primary production system/Digital Healthcare/Bio production system

Greening Digital Society/Revitalizing communication between digital and green societies/Digitalization of Green Society

- Leadership Organization : Nara Institute of Science and Technology (NAIST)
- Representative : Kazuhiro Shiozaki (President, NAIST)
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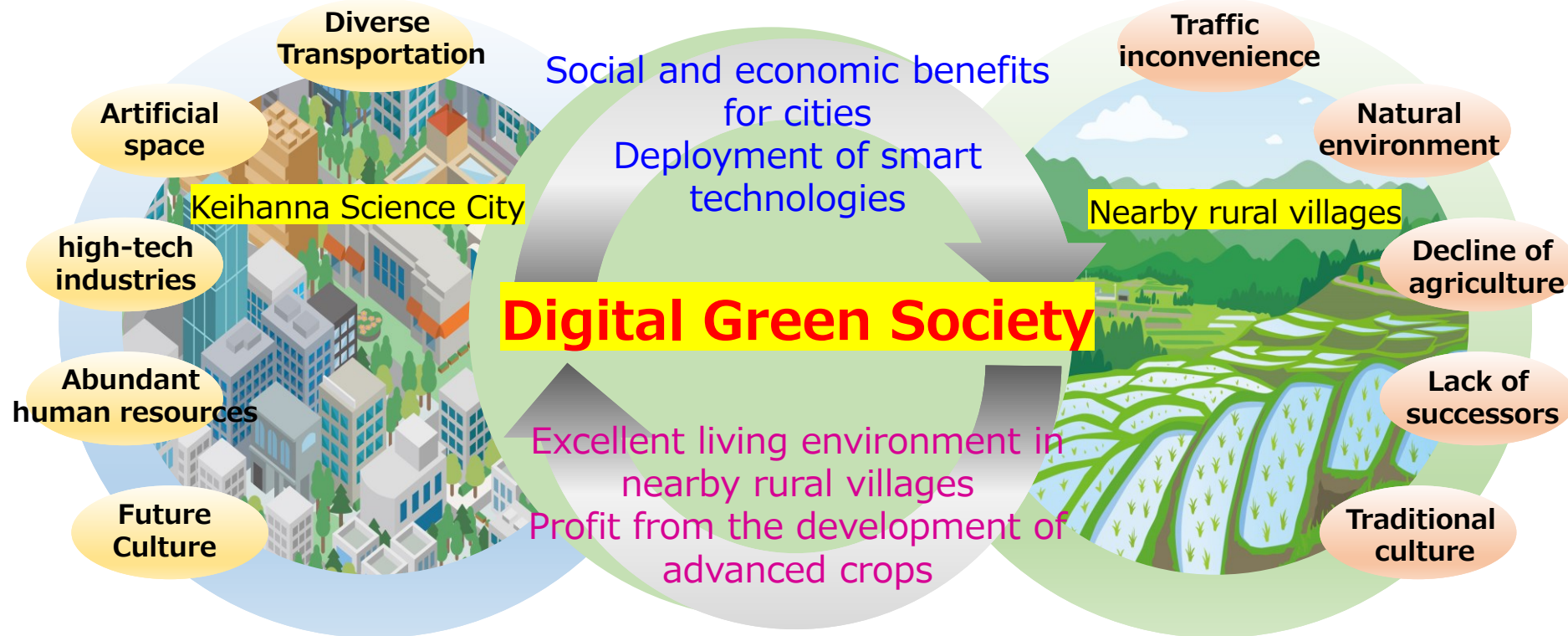
Our Vision



Background 1: Keihanna Science City, one of the most advanced science and technology cities in Japan, has demonstrated various digital technologies such as IoT and AI.

Background 2: It is known that a certain number of urban residents are interested in agriculture, but there are few initiatives to get a chance to their requests, and cooperation between cities and rural villages is not always active.

Background 3: In rural villages, problems such as the deterioration of farmlands and "Satoyama" known as an area located between pristine nature and living area, the decrease in the number of farmers, and the lack of successors are revealed.



By utilizing our advantages in "plant biotechnology" and "digital technology," the project aims to **realize a digital green society** that can obtain both the social and economic benefits by applying mutual advantages in Keihanna Science City and nearby rural villages.

Initiatives and Cooperating partners



Initiative 1 Greening Digital Society

Through the development of an advanced agricultural life support system, the project aims to support agricultural work by urban residents and raise their interest in nearby rural villages.

Cooperating companies and organizations: ATR, TORAY Construction, Tabio Nara, Red Rice Nature Farm, AGBIOTECH, FutureFood R&D Center, Fukujuen, Public Foundation of Kansai Research Institute

Academic organizations : NAIST, Kyoto Prefectural University

Initiative 2 Revitalizing communication between digital and green societies

Through the development of a two-location digital life system, the project aims to enhance mutual understanding and exchange between residents in urban and nearby rural villages.

Cooperating companies and organizations: Sekisui House, Sun Kyodo Village, Sugiura Gamba farm, Public Foundation of Kansai Research Institute

Academic organizations : NAIST, RIKEN, Shinshu University

Initiative 3 Digitalization of Green Society

Through the development of next generation crops, the project aims to create new activity centers for urban residents in nearby rural villages, and to create new industries that can be developed in nearby rural villages.

Cooperating companies and organizations: Inplanta Innovations, Grow, Public Foundation of Kansai Research Institute

Academic organizations : NAIST, Osaka University, IIAS, Kyoto Prefectural University