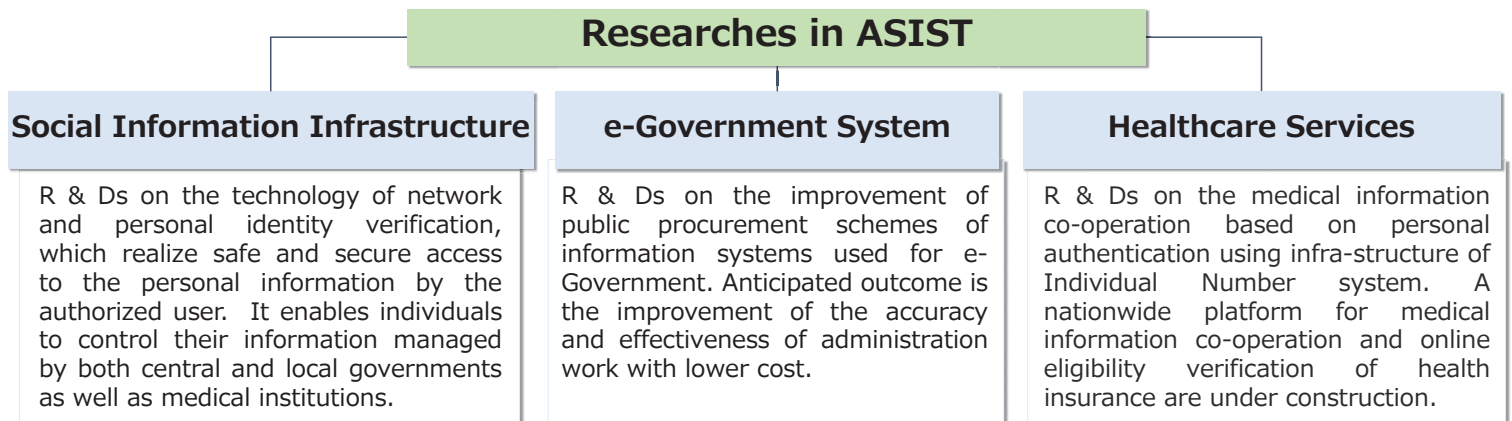




## Research for solutions of social issues by ICT

- Establishment of social infrastructure to ensure personal identity verification
- Development of the technology for medical information co-operation
- Utilization of health and medical information through life span
- Improvement of system procurement to support e-Government

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### ICT Policy Proposal & Recommendation

- \* Security of digital infrastructure for information co-operation in Individual Number system
- \* Design of multi-application IC card and Individual Number Card with PKI
- \* Effective IT governance on e-Governments for the national and local governments
- \* BPR for e-Governments using BPMN
- \* DX by using electronic automobile inspection certificates
- \* Utilization of public personal identification service in the medical field (Online eligibility verification of national health insurance. Please see the figure below.)
- \* Introduction of electronic prescription for better patient safety to prevent duplicate medication and contraindicated drug administration

### Collaboration with Industry

- \* Next Generation IC Card System Study Group (NICSS)
  - \* Healthcare Information Secure Network Consortium (HEASNET)
  - \* e-Government IT Investment Study Group
- Etc.

### Development of Core Technology

#### User Authentication using Institution Certificate

- ✔ It is a technology that enables user authentication even when user has difficulty to use the PIN code of IC card (Patent No. 5300026).
- ✔ This scheme is actually installed in Individual Number Card and being used for the online eligibility verification of national health insurance. Please see the figure on the lower left.

### Example of the realized Proposal

#### Online eligibility verification of national health insurance using Individual Number Card

- ✔ By the end of March 2023, Individual Number Card will be available as a national health insurance card in almost all hospitals and pharmacies. The medical institutions will be able to verify the eligibility of the patient's health insurance on site.

