Session D:
Establishment of suitable funding programmes that flexibly react to the needs of the various academic disciplines

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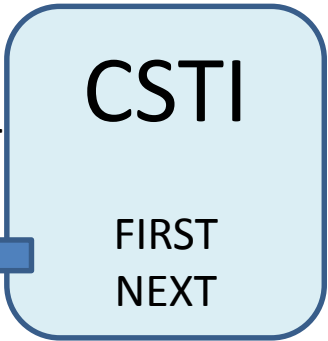2018 Japanese- German Symposium,
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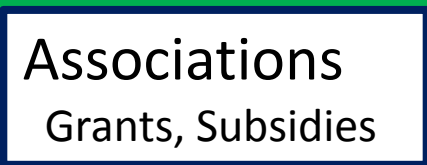*Maybe, if I have time, a short self introduction.

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Setting the scene

How do we make proposals to the government so that suitable funding programmes that flexibly react to the needs of the various academic disciplines can be established?

Government Funding

MEXT

Different subsidies Incl. University reform, President's leadership

JST

ERATO
CREST
PREST
SAKIGAKE

ImPACT
SIP

CSTI

FIRST
NEXT

AMED

MHLW

Health
Medicine

JSPS
Grant-in-Aid

NEDO

Uni-versity

Companies
Grant, Joint Research,
Joint Institutes

Associations
Grants, Subsidies

Institutes
Grants, Subsidies,
Scholarships

What for the next step?

Two objectives:
1. University in collaboration with the Society, Business and Industry

2. Enhancement of Academic Core Values

Strategy to be taken to increase funding

1. Widening the areas of collaboration
2. Reforming the styles and systems of collaborations
3. Diversifying the nature of research
4. Implanting business/industry know-how into collaboration system
5. Increasing the Society/Business/Industry's understanding of academic research and innovation = Research communication
6. Renewal of consciousness of university people on academic-business/industry collaboration

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Diversifying the nature of research

At the bottom of funding issue for a variety of disciplines, we should recognize the differences of nature of each discipline and the need of inter-disciplinarity of funded research and application for innovation.

Existing regime of funding

"Science, and Innovation" in a narrow sense

= Natural sciences

Humanities and social sciences have been slighted in S&I consideration. However, H&SS are "Sciences of the society", without which S&I cannot and should not enhance their value, when S&I are collaborating wit the society, business and industry.

H&SS = science for decision in life (incl. ST&I)

S&I = science for production, novelty, convenience

I. Particularities of Humanities/Social Sciences

1. Balanced Funding for S&T and Humanities and social sciences
   Acknowledge the existence of two categories of sciences:
   1) Natural science & Technology

       Invention, Discovery, Renewal, Innovation

       Novelty of things

       Direct effect on the society

   ↕

   2) Humanities and social sciences

       Long-term perspectives; Looking back on the past;
        Reflection on human's behaviour

       Indirect and long-term effect

       To establish policies and strategies

Difference of Methodology/Funding Needs

Methodological specificities

- The past is valuable.
- Comparative method = Evaluation of existing reasoning
- Search for a new and appropriate reasoning

Funding needs

- Documents
- Exchange of views
- Making up the opportunities of meeting

For Humanities and Social Sciences

Little need of big funding

Continuity and for wide range of researchers

∴ Funding program proposal for H&SS

Reasonably small amount of fund

To a wide range of researchers

Alternative evaluation method to that of S&T

II. Interdisciplinarity required

1. Role of Humanities and Social Sciences in Innovation and Social Utility

2. Conducting S&T in a correct and just way

   Thinking the future of the Humanity

      Ethics of S&T

      ⇒Any science dos not stand alone.

3. Mutual understanding between S&T and H&SS

   Basic condition = To meet, to talk, to understand

   Science Communication

      + Humanities and Social Science Communication

   ⇒   Need of new funding scheme =interdisciplinary fields

Shiga University's example

"Brightly Shining Shiga University"

1) Internal funding for each researchers

 Fund of President's discretional distribution

 Education and Economics + Data Science

 Financial support to joint researches

 Financial support to international meetings

 Financial support to going abroad

 ⇒ **Interdisciplinarity** and **globalism** required

Shiga University's example

2) External Funding

Governmental funding

Key-Base for strengthening of education and research for mathematical and data sciences
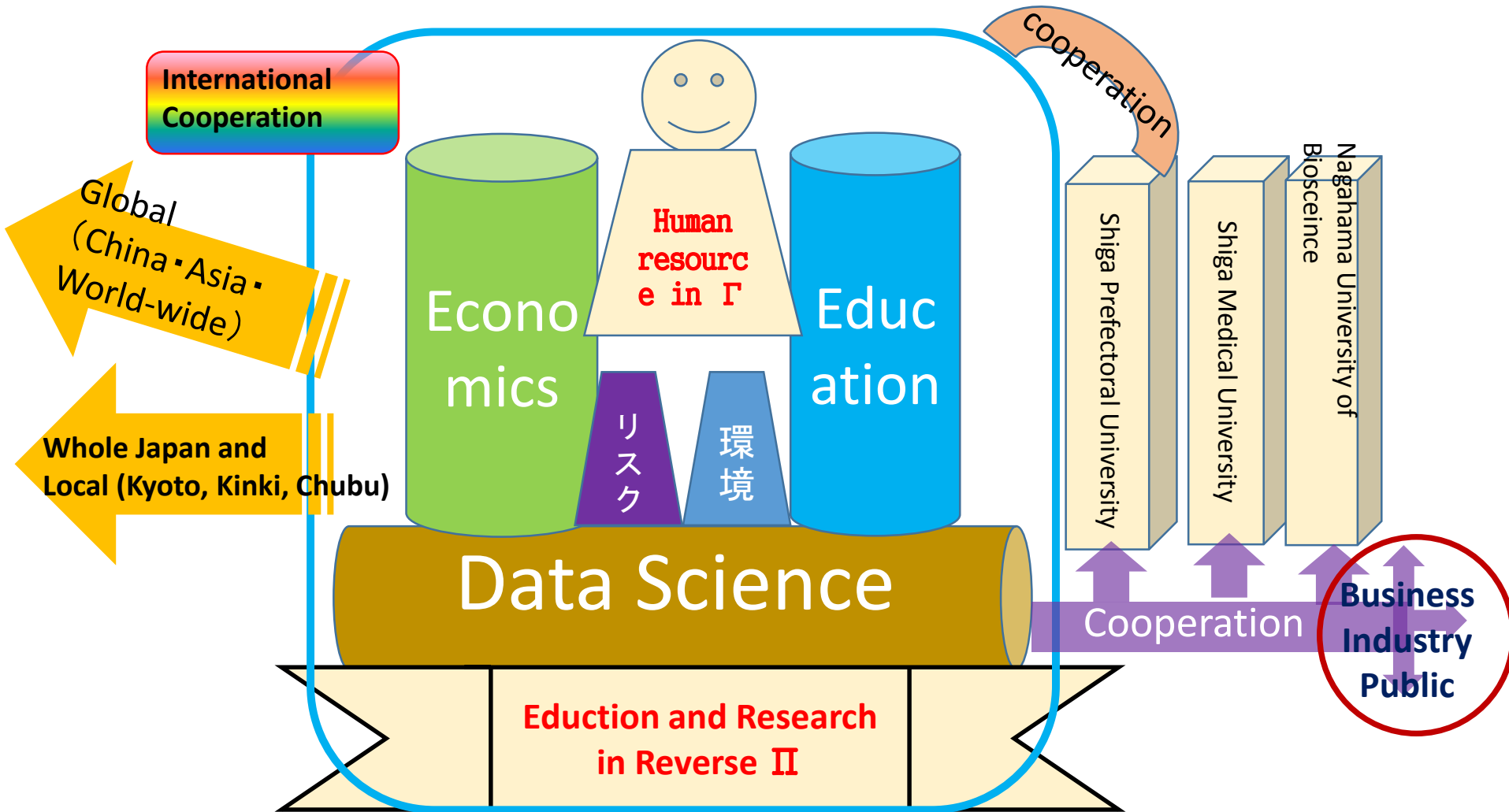
Consortium for human resources training

JSPS Grant-in-Aid

JST "Sakigake"

Alumni Association of Shiga University Faculty of Economics

Cooperation Agreements (40<) with companies and local governments ⇒ Increasing in number and in amount

Steve Jobs at the iPad2 Launch

"Technology alone is not enough. It's technology married with liberal arts, married with humanities, that yields the results that make our hearts sing."

Steve Jobs, 2011/03/02

Vielen Dank!

ありがとうございました。