## GEC-Japan/Asia Perspectives on Future Earth and Future Asia

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GEC-Japan/Asia Platform & RIHN



- National research institute established in 2001 within the Ministry of Education, Culture, Science and Technology (MEXT)
- Solicit, host, and fund fixed-term (3-5 year) research projects on pressing areas of human-environmental interaction
- Conducts integrated research that is empirically rigorous and conceptually bold, and that can offer solutions to environmental problems

#### **Research Affiliations**

(Ongoing 14 projects, 1003 members)

#### **Research Areas**

VIETNAM

CAMBODIA

SOUTH KOREA

Institute of Islands Culture (D-02)

INDONESIA

MOU

SWEDEN

UNITED KINGDOM

FRANCE

ALGERIA

SUDAN KENYA

ZAMBIA

PAKISTAN

Centre National de Développement des Ressources

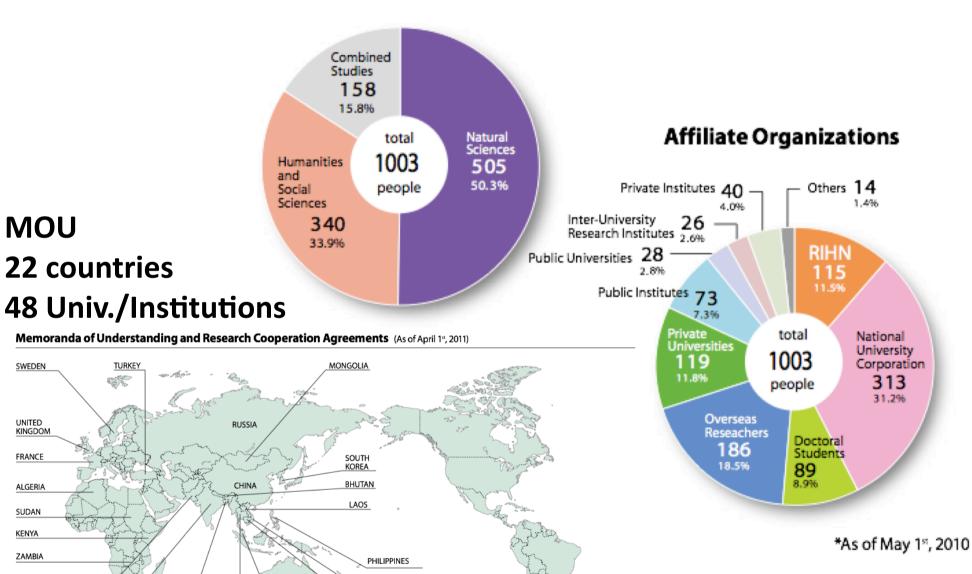
ALGERIA

BANGLADESH

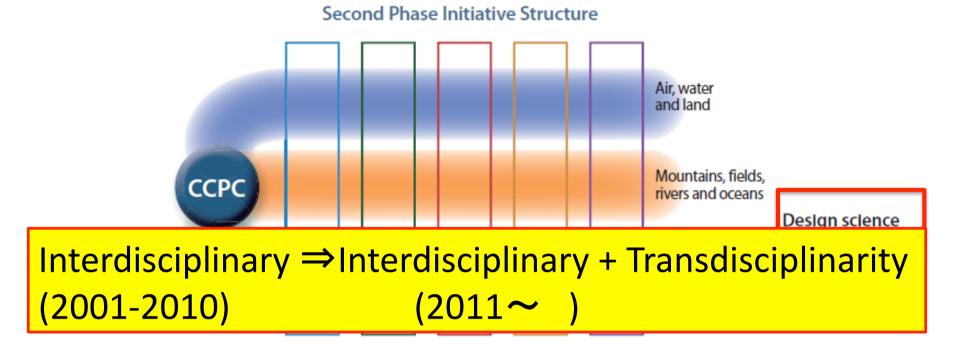
THAILAND

KAZAKHSTAN

Institute of Archaeology (R-03)



#### Completed (19) and Ongoing (12) Research Projects of RIHN (as of Apr. 2012)

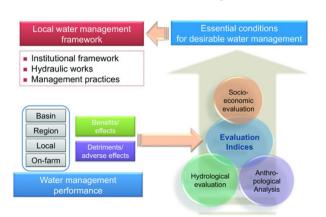


Designing Local Frameworks for Integrated Water Resources Management

Circulation Diversity Resource Ecohistory Ecosophy

Cognitive science approaches

Formation of Local Environmental Knowledge Systems for Creation and Sustainable Governance of New Commons



2<sup>nd</sup> Phase of RIHN projects (2011-)

- Transdisciplinarity
- Science in/for Society (Co-designing & co-producing)

Structure of Local Knowledge for Environment and Sustainability



### RIHN 10<sup>th</sup> Anniversary (Apr.2011)



RIHN 10<sup>th</sup> Anniversary Symposium (Apr. 20,2011)



International symposium on Sustainability (Asia vision)
Sep. 14-16, 2011, (SCJ, RIHN, Nagoya, Tohoku, & Hokkaido Univ.)

Visioning: the Five Grand Challenges, ESSI (Earth System Sustainability Initiatives )

## GEC-Japan (1) Vision for Future Asia and Future World

- Issues: Global change, both environmental and social, and sustainability development within socio-ecological systems
- Mechanisms: Already existing platforms like <u>GEC Programs</u> for grand challenges and solutions at national and international levels.
- Initiative: Realizing this necessity for regional consciousness and accumulative dialogue for better acknowledgment of common challenges and opportunities shared at national level, the <u>Research Institute for Humanity and Nature (RIHN)</u>, <u>together with GEC programs in Japan</u> have initiated <u>GEC-Japan</u> (Global Environmental Change-Japan) platform in 2011.

### **GEC-Japan**

#### Vision for Future Asia and Future World

- Agenda: GEC-Japan is a networking platform to facilitate and promote institutional and research collaboration among Japan representatives of the Global Environmental Change programs of IHDP, DIVERSITAS, IGBP and WCRP
- Roadmap: To promote further collaboration among researchers, service
  users and policy-initiators by <u>co-designing</u> and <u>co-producing</u> with
  regional focus to reach to Asia in the mid-term (Asia Vision).

#### Means:

- Establishment and promotion of GEC-Japan portal agora for researcher to exchange information on global change and sustainability issues.
- Nurturing dialogue and collaboration among GEC-Japan programs and researchers through joint publications and seminars as well as public presentations.
- Promotion of active dialogue among Asia scholars worldwide who have interest in global change issues and interdisciplinary research as well as transdicsciplinary actions in Asia.

### **GEC-Japan Platform**

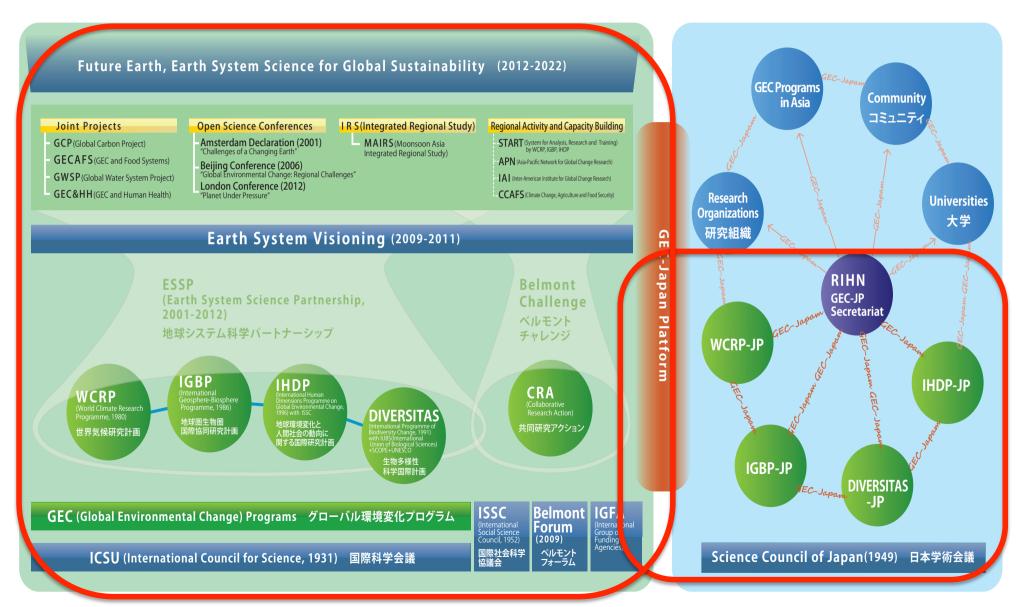


Japanese



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### GEC-Japan Platform (2011~)



#### From RIHN 10th Anniversary to Future Asia



RIHN 10<sup>th</sup> Anniversary (April 20, 2011)



International Symposium on Sustainability (JSC)
September 14-16, 2011

#### **RIHN 10thAnniversary Symposium**

(April 2011)

SCJ Int. Symposium on
Sustainability (September 2011)

#### **Belmont Forum**

(January 2012)

#### **Planet Under Pressure**

(March 2012)

Rio+20 (June 2012)

Asia-Pacific (November2012)

#### GEC-Asia symposium "Future Asia"

(December 2012)



**GEC-Japan Platform** 



Rio+20 Science Forum



#### From ICSU Regional meeting Asia Pacific (Nov. 21-23, KL)

## Research priorities and opportunities within Future Earth in unique Asia and the Pacific

 Framing the RQs from a societal problem/ solution perspective

Understand that we all speak different

lar Diversity and dynamic change (Asia – Pacific)

Ur Similarities and differences within Asia-Pacific

⇒ Sharing knowledge within the region and linking to other regions/global

COustan issues

Integrating various scales & dimensions

Environment & society

Variability, extremes& heterogeneity

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 Development with a focus on green growth



**Future Earth is** 

extremely relevant

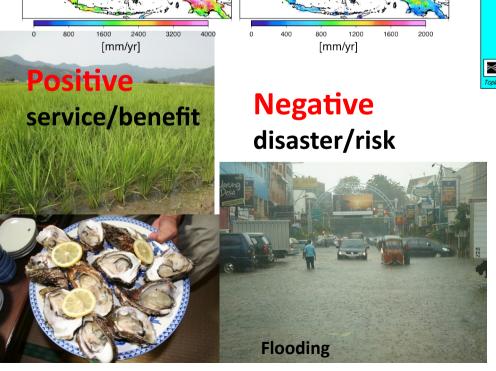
for this region

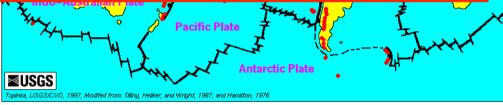
cific)

**Rik Leeman** 

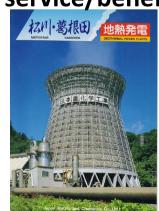
#### How to make balances between

- \*negative (disaster/risk) and positive (service/benefit)
- \*traditional knowledge and new scientific knowledge
- \* current generation and future generation
- \* developed countries and developing countries
- ⇒ We need a common <u>platform</u> to share the knowledge in Asia-Pacific region





## Positive service/benefit



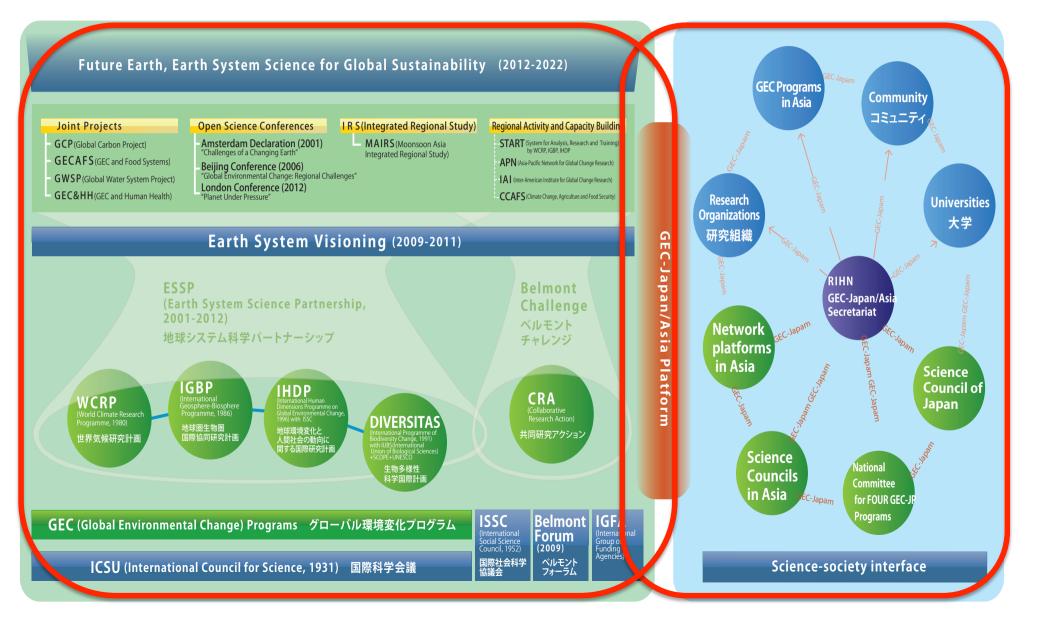
## **Negative** disaster/risk

Otsuchi after tsunami (June 11, 2011)

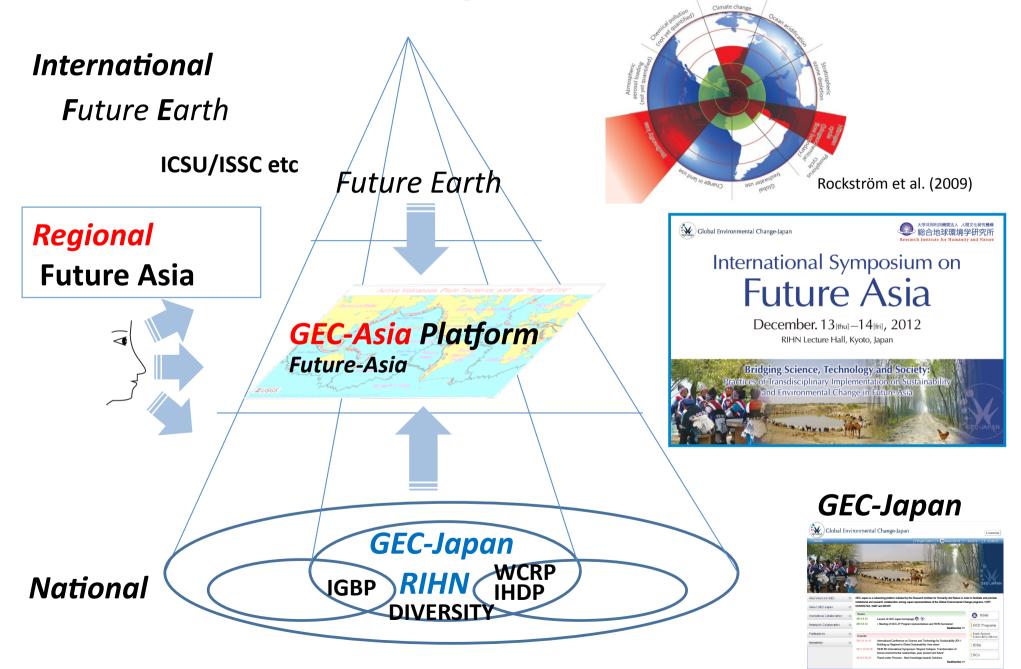
## **GEC-Japan/Asia (1)** *Future Asia Platform* **Vision for Future Asia and Future World**

- Issues: Global change, both environmental and social, and sustainability development within <u>socio-ecological</u> <u>systems</u>
- **Direction:** New framework and alliances, not only Future Earth initiative of the "Science and Technology Alliance for Global Sustainability" but other initiatives at regional and global levels.
- Need: As indicated in recent Future Earth dialogue and regional workshops, <u>regional nodes and partnerships</u> are critical to link sub-regional and global endeavors.
- Potential: <u>GEC-Japan initiative</u> and other regional frameworks already underlining the problems and potentials of <u>diversity and dynamic change</u> within Asia

### GEC-Japan/Asia Platform (2012~)



International-regional-national interface



## GEC-Japan/Asia (*Future Asia*) *Platform*Vision for Future Asia and Future World

#### **Communication:**

- Research collaboration (Joint projects, bilateral and multilateral research initiatives promoted by the Vision, joint research workshops and symposia organized by the Vision, guidance for further funding opportunities, capacity building for young researchers)
- <u>Research action</u> (Capacity building seminars, symposia, communication workshops with other parties)
- Research interface (interface with policy makers, initiators and business groups as well as media)

#### Implementation:

- GEC-Japan/Asia Platform as initiator
- Means of technology as <u>communication tools</u>
- Prompt action by interacting with <u>already existing frameworks</u> in the region
- Engaging with **global process** from the very beginning

# GEC-Japan/Asia Building this Future Asia Vision together with Future Asia Platform

- What would be key questions to ask for Future Asia?
- How this initiative would be better connected to other regional and global (e.g., Future Earth) initiatives?
- How this vision would be utilized within the recent Future Earth process?
- → Future for everyone, working all together