Research and Action Framework
for Synergistic Scientific and Institutional Linkages between the SDG Targets
Co- hosted by Keio GESL/ UNU-IAS / Earth System Governance/Future Earth SDG KAN

5-7 March 2017, at Conference room("Sycamore") in Glen Cove mansion, NY

DAY1 **Sunday 5 March, morning (upon arrival at the venue)**

9:30 Open and Registration

10:00- Pre-opening session: by Norichika Kanie

10:00- Opening speech by GESL Program Coordinator, Yasushi Kiyoki (via skype)

In this session, we would like to share the idea of the proposed final outputs of the workshop in order for all participants to understand the goal of the workshop and ensure all sessions will go effectively. Prof. Norichika Kanie will share the idea and proposed framework which he would like to discuss in detail and brainstorm the appropriateness of the agenda for the next few days.

10:30- Poster presentation on interactions of the SDG targets by Keio GESL

Early career researchers and graduate students in GESL program, will demonstrate some exemplar research related to the theme of the workshop, in order to provide participants clearer ideas on the purpose of the workshop in their poster and power point presentations. Research tools and platform for information sharing will also be provided. Your inputs would be highly appreciated.

11:30- Lunch Breaks

12:00- Registration (for those not registered in the morning)

Interactive Workshop

The purpose of the Day1 workshop* To establish and reach a common understanding for an overall framework for research and action as an output of the three-day event, and thereby framing the outcome of the workshop. The presentations on how we should consider institutional interlinkage with Interaction between environmental, social and economic dimensions of the SDG targets for building a research framework (steps, points of concern, actors, theories behind, etc.) will be provided followed discussions. The presentation on possible tools for showing the interactions of SDGs will also be made by the GESL staffs

12:30-Opening session: by Norichika Kanie - Objectives and Outcomes of the workshop 30min

Presentation will be made on the purpose of the workshop is to develop a research and action framework to fill the gap between effective interaction of SDG targets, and institutional and governance reality. Possible research step protocol as part of the outcome of the workshop. The workshop will refine and develop further this framework, including identifying the issues that requires attention.

13:00-15:00　　　Session1: Defining the output: defining an architecture of the overall framework

(Background presentation 20min+ **discussion for the session** 1 hour)

1. Dave Griggs –　　Interaction between environmental, social and economic dimensions of the SDG targets
2. Oran young – Institutional interplay
3. Rak Kim – Orchestration

15:00-16:30　　　Coffee Break

15:30-16:30　　　Session2. Plenary: Overall discussion for the proposed research and action framework

1. **Presentation**:　　1. Eeva Furman- GSDR and Science-Policy Interface 15min.

　　　　　　　　　　2. Wanglin Yan / Shiori Sasaki -GESL (Tool, Platform and capacity building) 15 min

2. **discussion**

16:30-17:30　　　Harvesting Day 1 (Plenary discussion)

Possible questions for the framework: - What are the views about possible research protocol as part of the outcome of the workshop (see printed copy)?

- **Institutional Architecture (Normative fram**: What is the ideal institutional architecture to address synergies and inter-linkages? How should we address formal and informal institutions, and integrate them in the framework?

- **Policy Process**: What are the elements of an ideal process, including increasing science-policy interface and co-production of knowledge, that can improve implementation of inter-linkages?

- **Stakeholder identification**: Who are the stakeholders to catalyze the transition and accelerate towards ideal interaction and governance (i.e. transition management approach)?

19:00-21:00　　　Dinner Reception

DAY2 Monday 6 March Interactive Workshop: Building a research framework (steps, points of concern, actors, theories behind, etc.)–the plenary and breakout sessions in a world café format under Chatham House rules.

　　　　The purpose of the Day2 workshop is to generate ideas on each steps of the research protocol, which could produce usable knowledge for effective governance on the interaction of the issues related to an SDG in question. The presentation of modeling, scenarios and the reality of UN will be provided for stimulating interactive discussions and bring the research on the ground. Final document of ideas for future transdiciplinary research framework design including all participants' perspective would be shared with all participants for the outputs.

9:00-　　Reflection of the Day1

　　　　GESL, by Yasushi Kiyoki (via skype)

　　　　A brief description of Nilsson, Griggs and Visbeck framework

9:30-11:10　　　Session1: How to proceed with Step 2 in the research protocol

　　　　1. Brief introduction of group discussion (10min)

　　　　2. Small group discussion 1 on Step 2 (Identifying interaction between targets on the given issue area)

　　　　30min. + A world café style discussion for 20 min. (including change of groups)

Table will be divided by level: Global, Global, Regional, National. (10ppl/table)

Possible Questions: What are the issues to be considered? For example, question may be raised around how to identify the interactions - e.g. Expert judgements, Interview, etc.?

- **Policy coherence tools**: What are the current examples of tools that can identify the interaction between SDGs targets (i.e. Nilsson, Griggs and Visbeck 2016)?
- **Process and Expert judgements**: After adopting a framework or tool (i.e. Nilsson, Griggs and Visbeck 2016), how do you ensure a legitimate process in identifying the interactions between the targets in selecting the critical nodes of interaction? (i.e. crowd sourcing used in GSDR reports, expert judgements)? Related to that, who should be identifying the interactions (i.e. scientists, policymakers and/or other stakeholders?)
- **Scientific credibility**: How do you ensure scientific credibility in identifying the interactions?

3. Plenary to share ideas, followed by general discussion 40mins

11:10-   Coffee Break

11:30-13:00   Session2: How to proceed with Step 3 in the research protocol

1. Small group discussion 2 on Step 3 (Identifying policy, institutional, and governance options that would address interactions) 30min. + A world café style discussion for 20 min. (change groups)
Table will be divided by level: Global, Global, Regional, National. (10ppl/table)

Possible Questions: What are the issues to be considered? For example, how to develop an institutional framework that would effectively address interaction of the SDGs in the given issue area? How to engage stakeholders at this stage?

- **Policy coherence**: What are the current examples of coordination mechanisms that can improve policy and institutional coherence?
- **Institutional architecture:** How would a multi-level governance architecture look like? Related to that, what is the role of the United Nations in general, and in particular, the High Level Political Forum in identifying and implementing interactions? What are the mechanisms beyond the states?
- **Orchestration:** What is the role of international organizations in orchestrating intermediaries that act or can act as critical actors for implementation?
- **Science-Policy Interface**: How do you secure interactions between science and policy actors at levels of implementation, i.e. national and local levels?

3. Plenary to share ideas, followed by general discussion 40min

13:00-   Lunch Break

14:00-16:00   Session 3: How to Identify and analyze the gap between SDG interactions (steps 2 and 3) and governance(step4)

1. Presentations

1. Nebojsa Nakicenovic –The World in 2050 (20min+10min Q&A)

2. Alex Roehrl - UN DESA, SDGs and institutions (20min+10min Q&A)

2. Small group discussion 30min + A world café style discussion for 20 min. (change groups)

Possible Questions: What should be the TD methodology to identify the gap, and how to do it?

   (stakeholder dialogue, modeling, etc.)

- **Tools:** What are the scientific tools that can identify natural issue linkages including future scenarios (i.e. IIASA's the world in 2050)?
- **Social Network Analysis:** How can/should we utilize the tools available to identify social interactions? (i.e. is Social Network Analysis and network mapping).
- **Data science and monitoring tools**: What are the monitoring tools that could provide data in identifying interlinkages (i.e. GESL's 5D world map)?

   3. Plenary to share ideas, followed by general discussion 40min

16:30-   Coffee Break

16:50-17:20   Plenary discussion: Developing the research framework and methodology

Possible questions for the framework:

   What would be possible research step protocol as part of the outcome of the workshop?

- **Institutional Architecture**: How to identity effective institutional architecture to address synergies and inter-linkages?
- **Policy Process**: What are the elements of an effective   policy process, including securing effective science-policy interface and co-production of knowledge that can improve implementation of synergistic inter-linkages?
- **Stakeholder identification**: Who are the stakeholders to catalyze the transition and accelerate towards effective interaction and governance (i.e. transition management approach)?
- **Piecemeal and alternative approach**: What are the short and medium term options as a roadmap towards an "ideal" for addressing inter-linkages?

17:20-17:30   Closing

DAY3 Tuesday 7 March, (**Writing day: Developing an implementable research framework**)

**9:00-   **Reflection of the Day2 discussion

**9:30-   **Finalize the research framework (Brushing up the outcomes and Writing a proposal/paper)

   Next step:

   -Paper for Nature Human Behabior

   -Submit a proposal of the developed research framework to the Belmont forum Collaborative Research Action (Transformations to Sustainability programme) funding

   http://belmontforum.org/transformations-sustainability-t2s (Outline Proposals deadline of April 5, 2017)

   Case study possibilities

12:00   Closing of the workshop   and   Lunch

**13:00   **Discussions for Next steps (until leaving…)