

GIES08 Workshop

Setting the Tone

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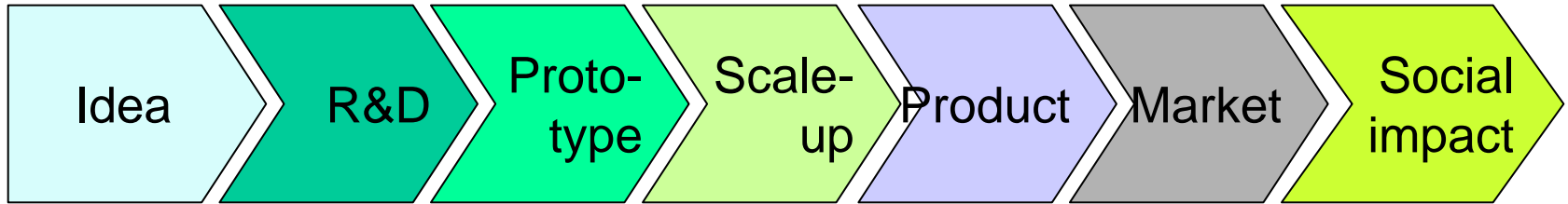
Innovation and Innovation!

- Innovation as “practice”
- Innovation as “an engine of economic growth”
- Innovation as “theory”
- Innovation as “a policy tool”
- Innovation as “a social construct”
- Innovation as “philosophy”
- Innovation as “a problem-solving tool”

5 Parallel Sessions

- How to solve “Environmental Problems”?
- How to promote “Sustainable Development”?
Through the angle of:
 - Effective Utilization of Natural Energy
 - Low Environmental Impact Transportation Systems
 - Safe Water Supply
 - Stable Supply of High-Value Added Food
- How to measure effort & impact of innovation?
 - Framework Construction of the Evaluation and Assessment for the Global-Scale Innovation

Who Does What with Whom?



Actors

Univ.

R. Inst.

Start-ups

Big Com.

Government?
Consumer?

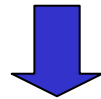
Links
Start-ups
S

Science base

Technology base

Our trial

- To clarify the problem
- To identify key actors
- To apply a (**eco-**)system approach
- To design practical actions



- and based on 4 cases studies & powered by measurement tool-kit:

To conceptualize in terms of **GIES!**

Common understanding of the
concept of
“Global Innovation Eco-System”?

Innovation Models

- Conceptualization
 - Schumpeter (30th), Arrow (60th), Klein & Rosenberg (80th), Romer (80th), Freeman (80th), Christensen (90th), Nelson (90th), Etzkowitz & Leydesdorff (90th), ...
- Process of innovation
 - Linear model
 - Non-linear model
 - Chain-linked model
 - Triple helix model
 - License model (technology transfer model)
- Knowledge production
 - Mode 2
- Innovation system
 - National innovation system
 - Regional innovation system (e.g. Cluster)
 - Interaction among innovation systems! (e.g. ERA-NET)

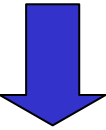
How to induce innovation dynamics?

- Endogenous innovation
 - *Actors' initiative*
- Providing social infrastructure
 - Building the national innovation system
 - Institutional reforms
 - Promoting social acceptance (new value system?)
- Through incentive mechanism
 - S&T policy
 - 
 - *Innovation policy*

New Perspective (1)

- Beyond the existing boundaries of:
 - Academic Discipline
 - Inter-, Multi-, **Trans-**, Pan-
 - Institution
 - **Among-** & Within-
 - Government
 - Central- versus Regional-
 - Country
 - Bilateral-, Multinational-, International-, **Global-**

New Perspective (2)

- Opening the door!
 - From the “technological” innovation
 - To 
 - Service innovation
 - Organizational innovation
 - Policy innovation
 - Social innovation


New Perspective (3)

- From “system approach”



- To “eco-system approach”
 - Mutually dependent & reinforcing actors
 - Capacity to evolve as a system
- By adding “Global”
 - To ensure the “Openness”

Global Innovation Ecosystem

- Challenge for the actors
 - To go beyond existing boundaries
 - To exploit the complementarity & synergy with other actors
 - To take advantage of serendipity
 - Government may
 - Lubricate innovation system
 - Adapt rules to the changing environment
 - Provide opportunity to innovative initiatives
 - Consumers may act as
 - Initiator
 - Arbiter
- 
- Global Innovation Ecosystem

Please Enjoy the Discussion!
&
Welcome for Innovative Ideas!