

**March 1 2012, Tokyo University**

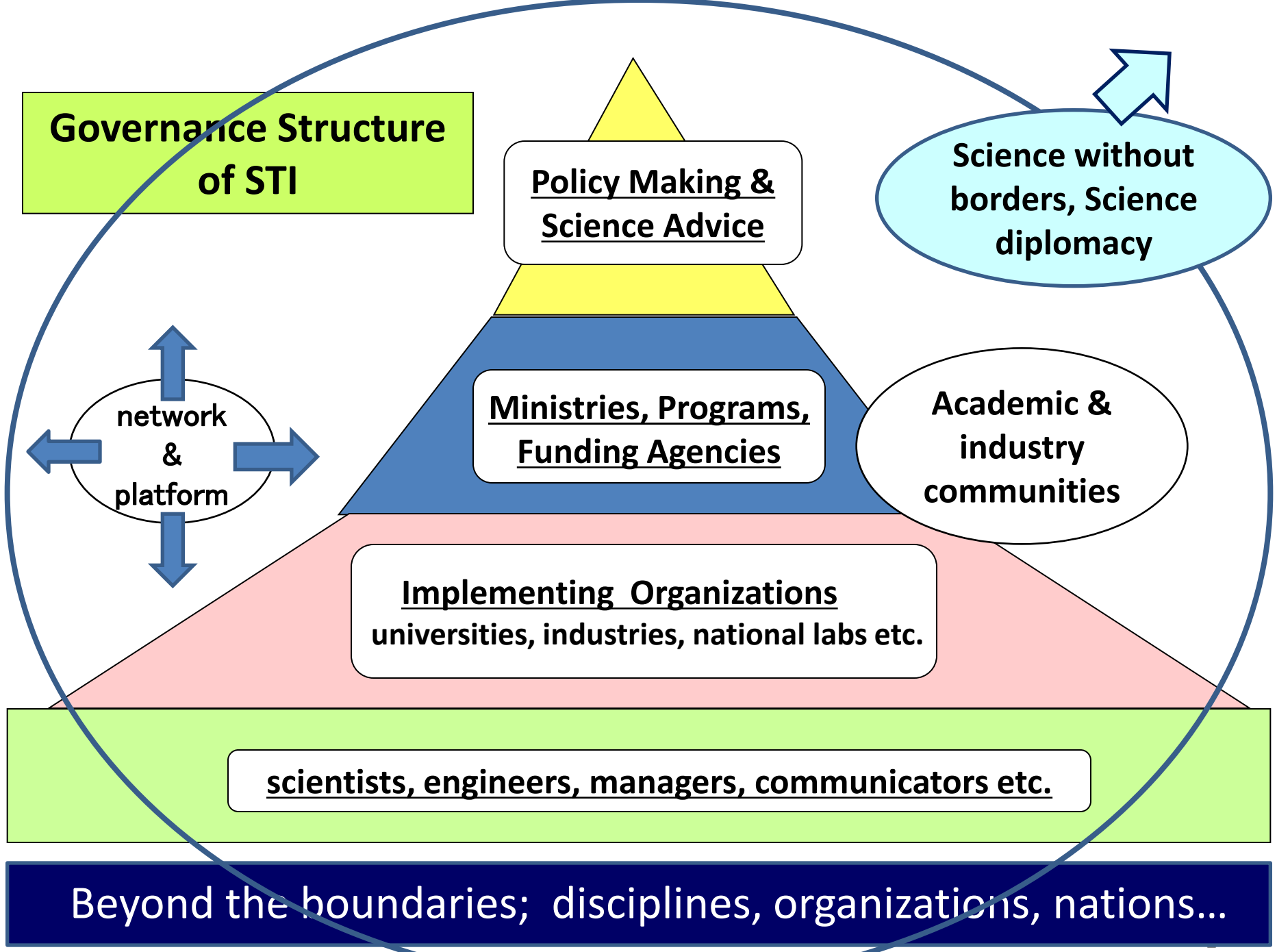
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Since 1989

Now 2012

End of the Cold-War  
ICT revolution

**Globalization, Complexity,  
Uncertainty** ⇒  
**The Conditions is  
changing rapidly ...**

- Sustainable development
- Climate change, Energy & Natural resources
- Water, Health, Food, Biodiversity
- Natural/Artificial Disasters
- Knowledge & Aging society



Disasters



Climate change



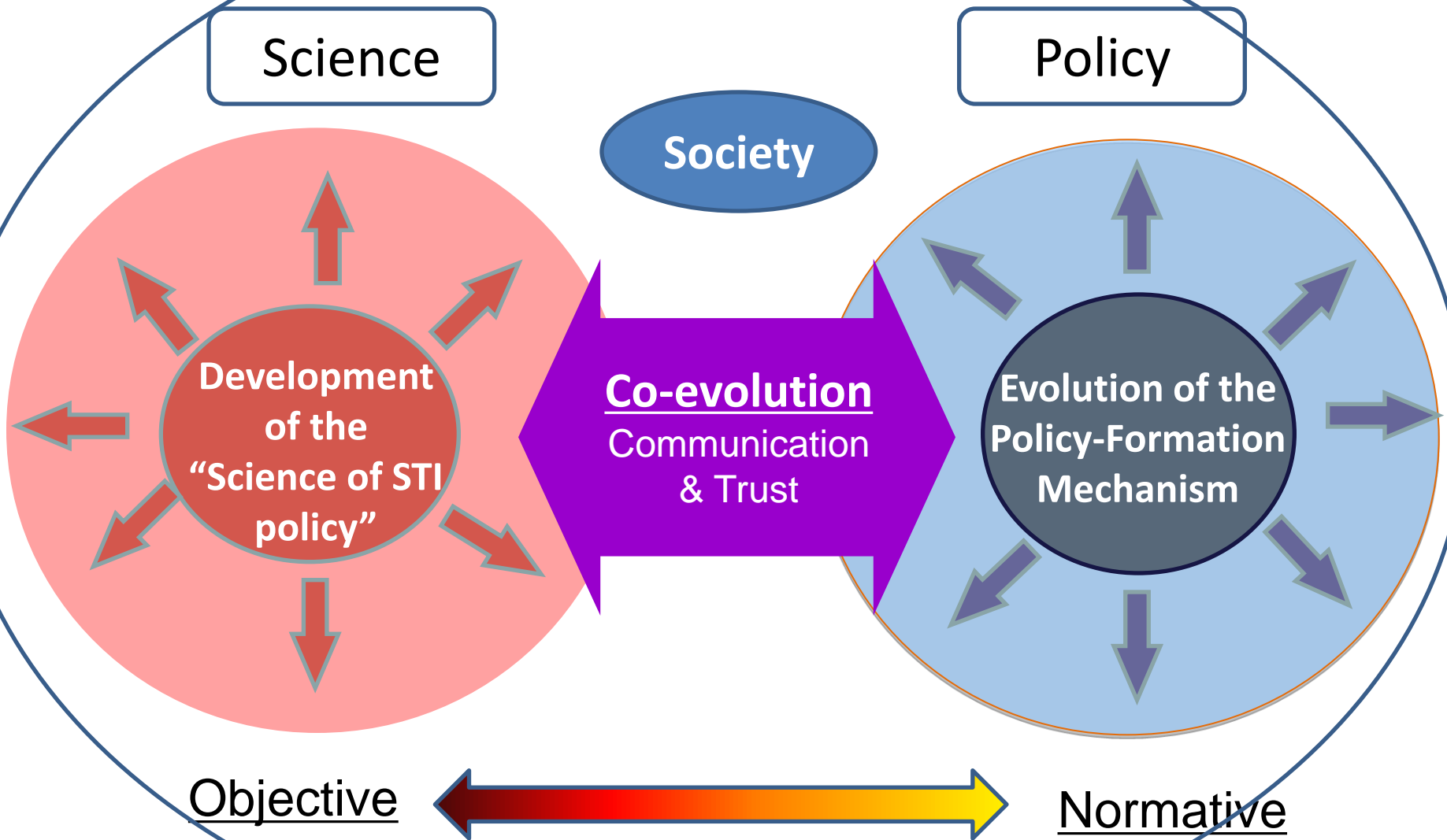
BRICS,  
Economic Crises

# S & T and Innovation in the 21st century

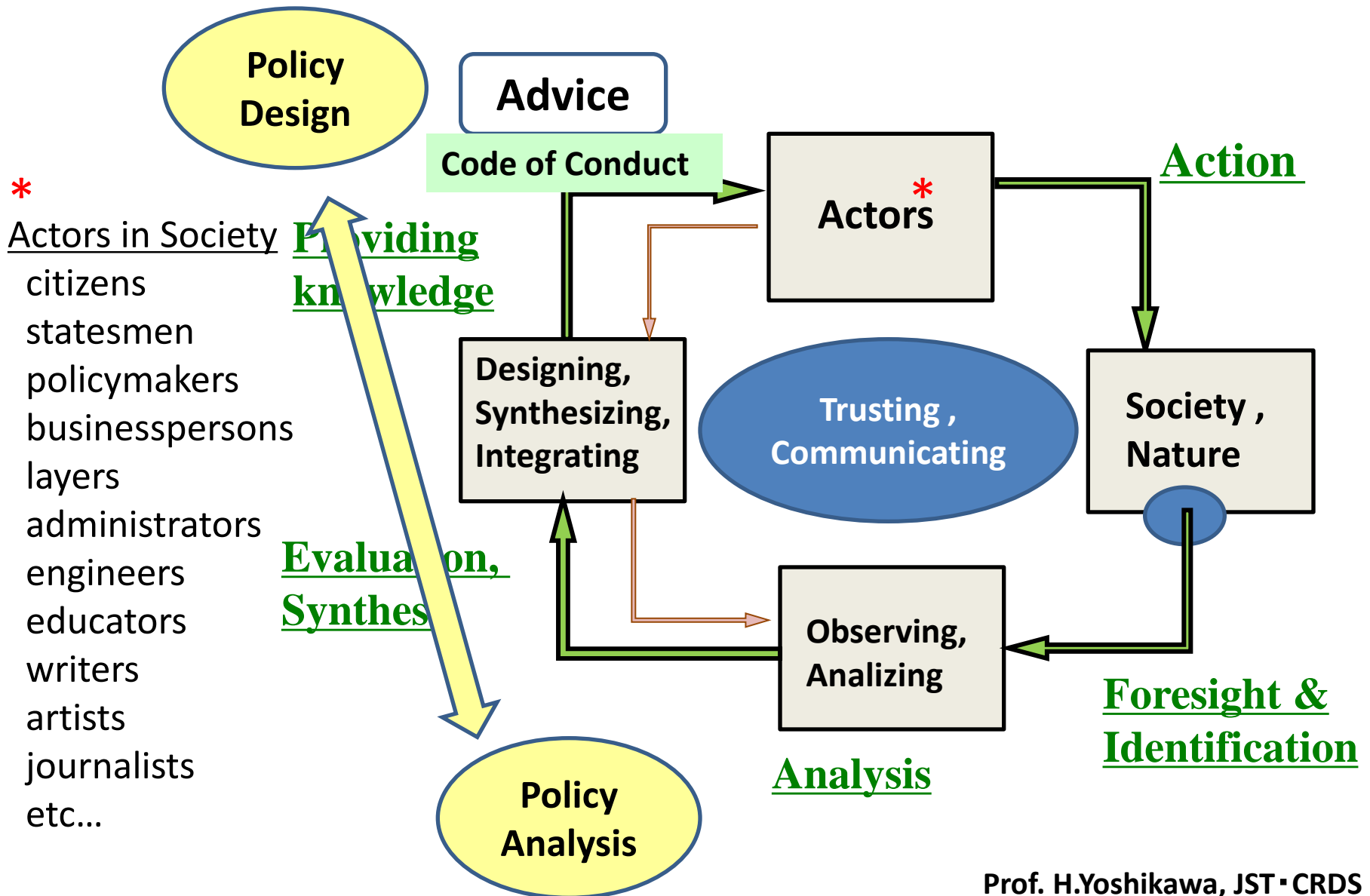
- ◆ STI for Profit
- ◆ STI for Competitiveness
- ◆ STI for Growth
- ◆ STI for Employment
- ◆ STI for Wellbeing & quality of life
- ◆ STI for Safety, security & social cohesion
- ◆ STI for Sustainability & resilience

**STI horizon is expanding.  
Redesigning STI policy and system ;  
locally, nationally, regionally and globally  
Research integrity and scientific responsibility**

# Co-evolutionary development of the “Science of STI Policy” and the “Policy Formation Mechanism”



# Basic Loop for Sustainable & Resilient Society – Role of Actors and Scientists



**Thank you very much  
for your attention!!**

**Questions:**

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