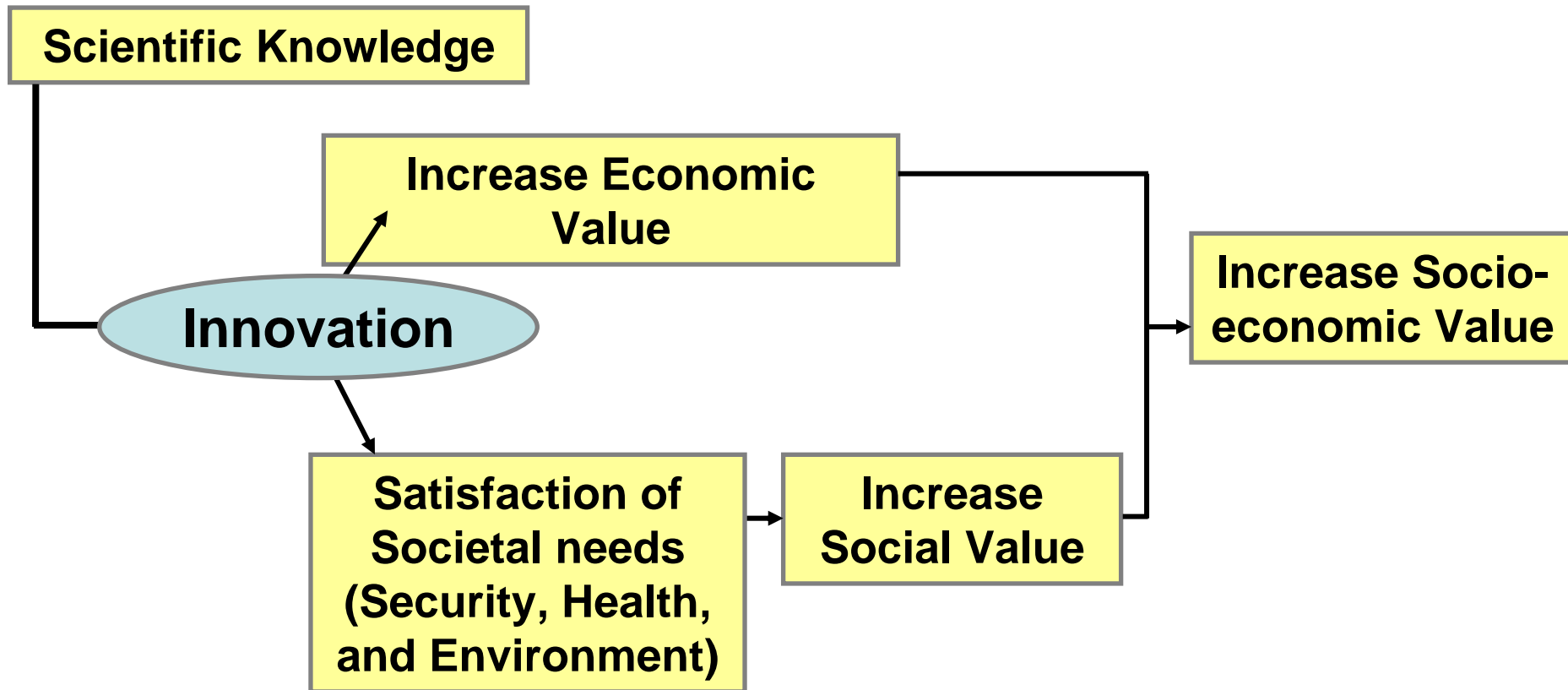


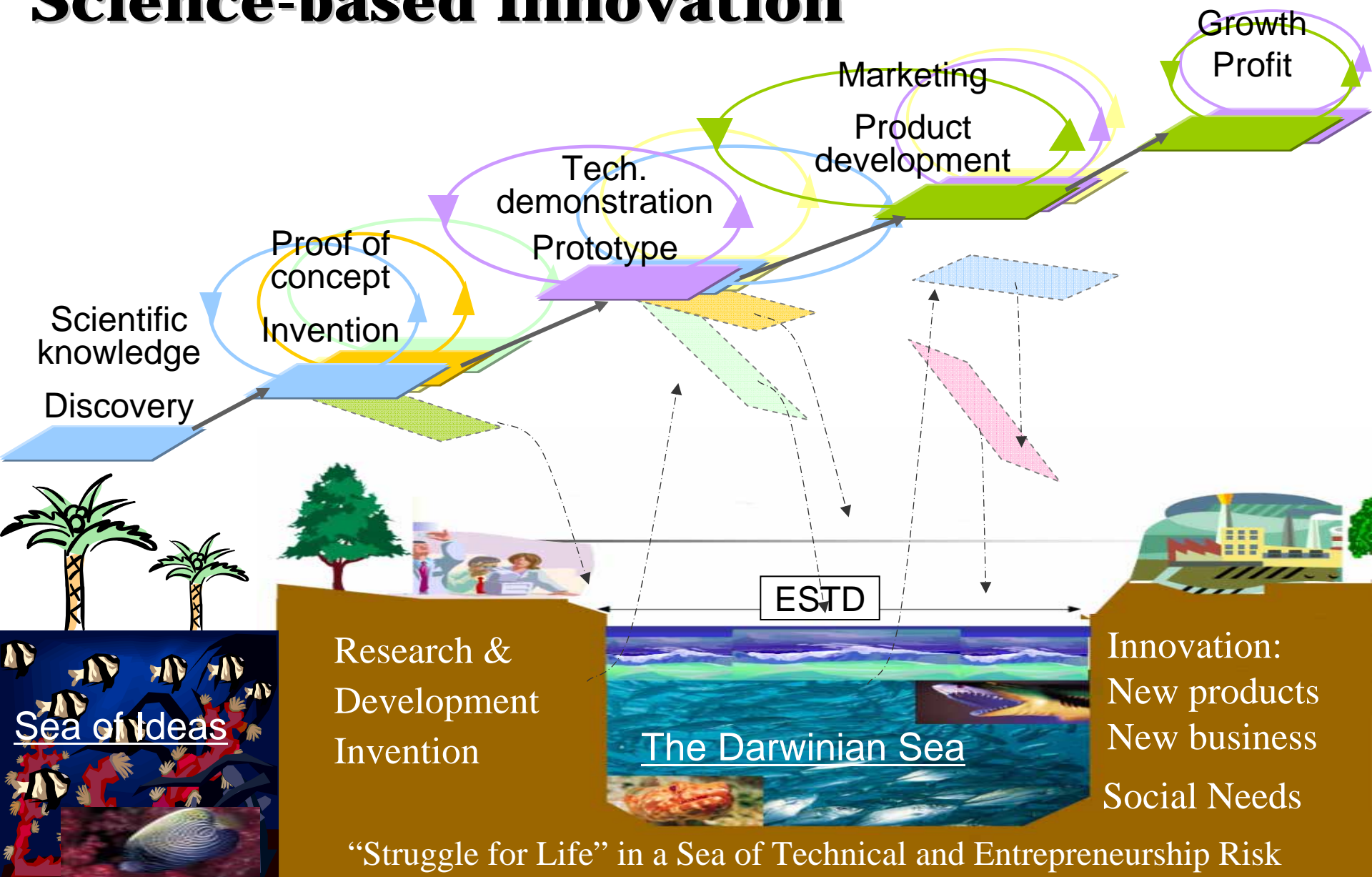
Key note address in Plenary Session



Science and Technology-based Innovation



Step & Loop Model of Science-based Innovation



Innovation Ecosystem

Input

Interaction Fields

Output

Profit and Welfare/QOL Sustainability

Vision
Policy/Strategy

University/Enterprise
Research

Proof of Concept

“BA”

Human Networks
Networks of Technologies
Networks of Funds
Regional Clusters
Industry-Academia
Collaborations
IP/Standard
Regulation/Deregulation

Prototypes

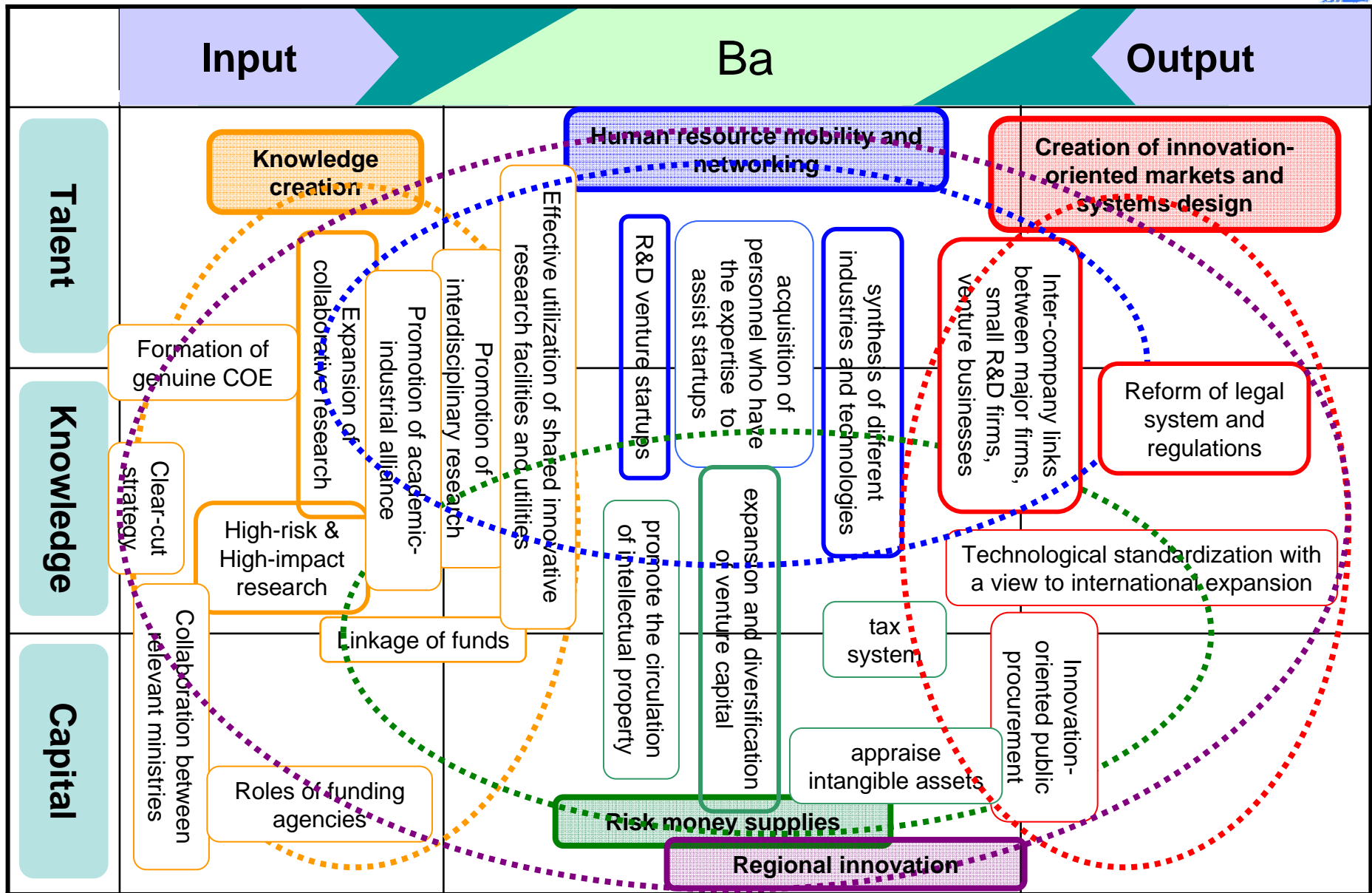
Innovation-friendly
Markets
Public Procurement

Funding

Human Resources/Education: nurture talents, brain circulation

Public Acceptance: consensus, consumer education, cultural issues

International Competition & Collaboration



Factors and Groups of Factors in S&T Innovation

Global Problems to be solved by GIES (examples)

Poverty

Diseases

Environments

Foods

Energy

Natural Resources

Global Issues to be considered in a scheme of GIES

Sustainable development

Boarder-less economy

Expansion of developed countries

**Management of global-integrated
enterprises**

Disparity among and within countries