



# Mission-Oriented STI Policies in Korea

*Conference on R&I Impact*

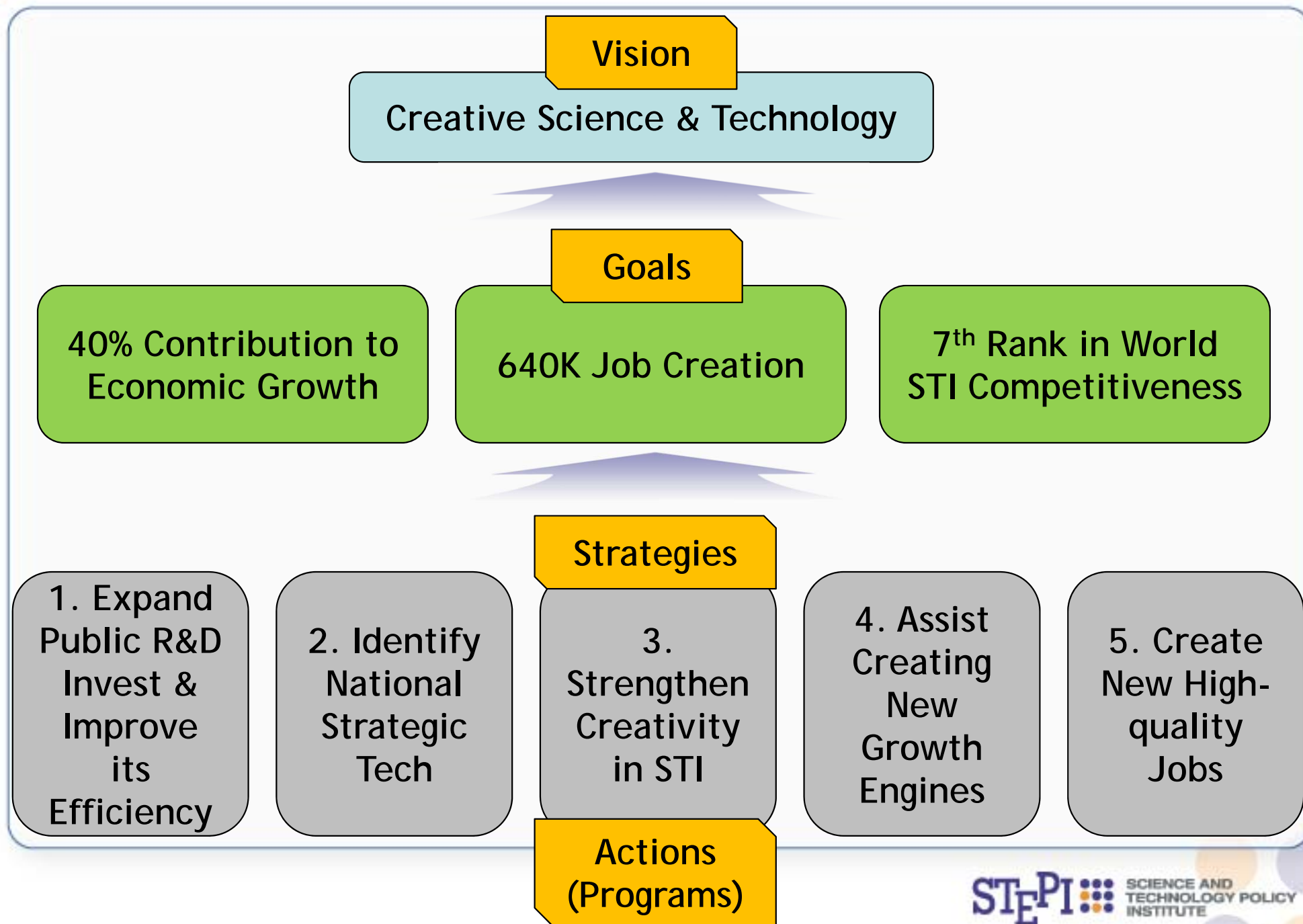
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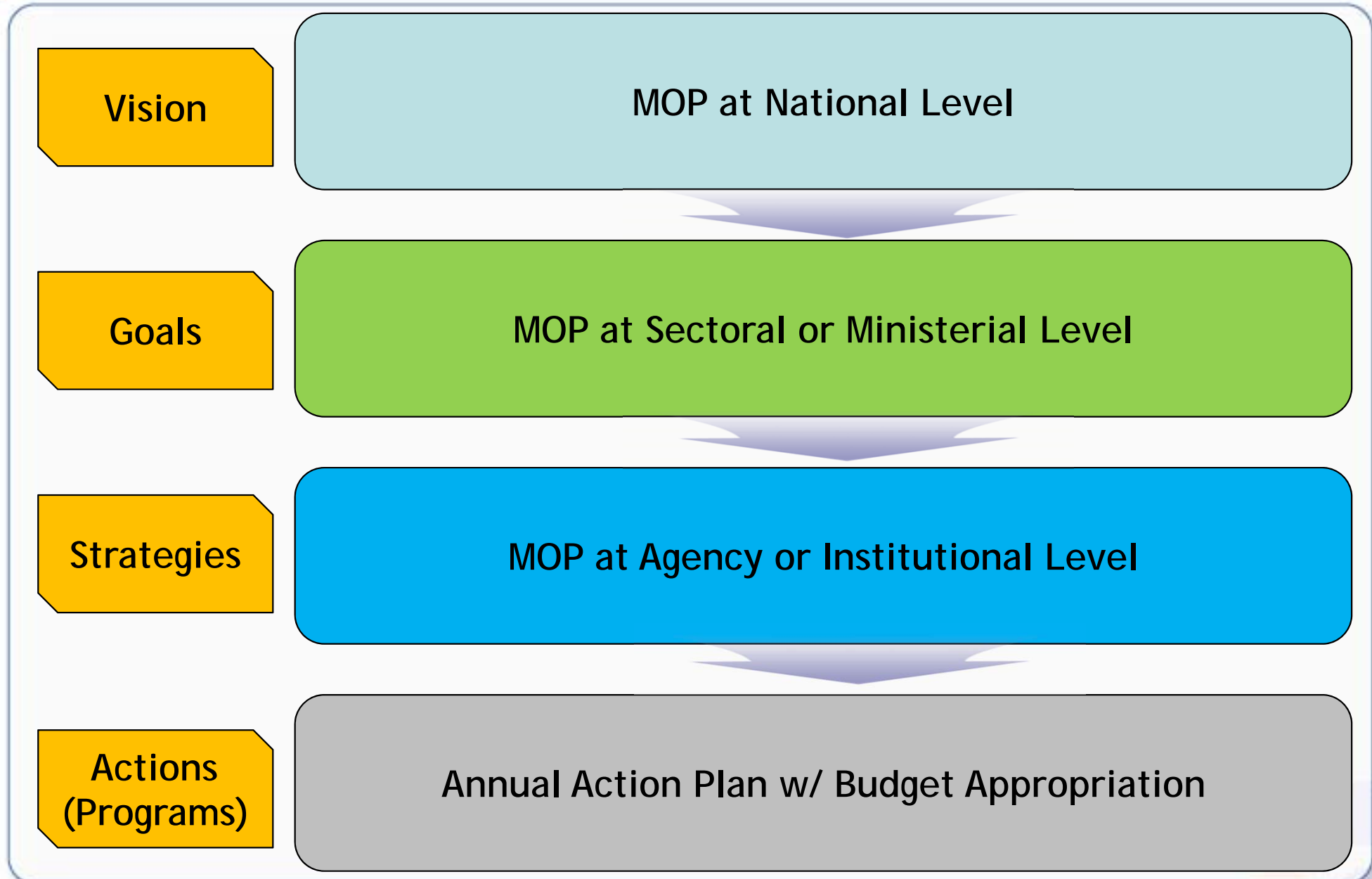


# A Typical Vision Map (The 3rd S&T Basic Plan (2013-17))



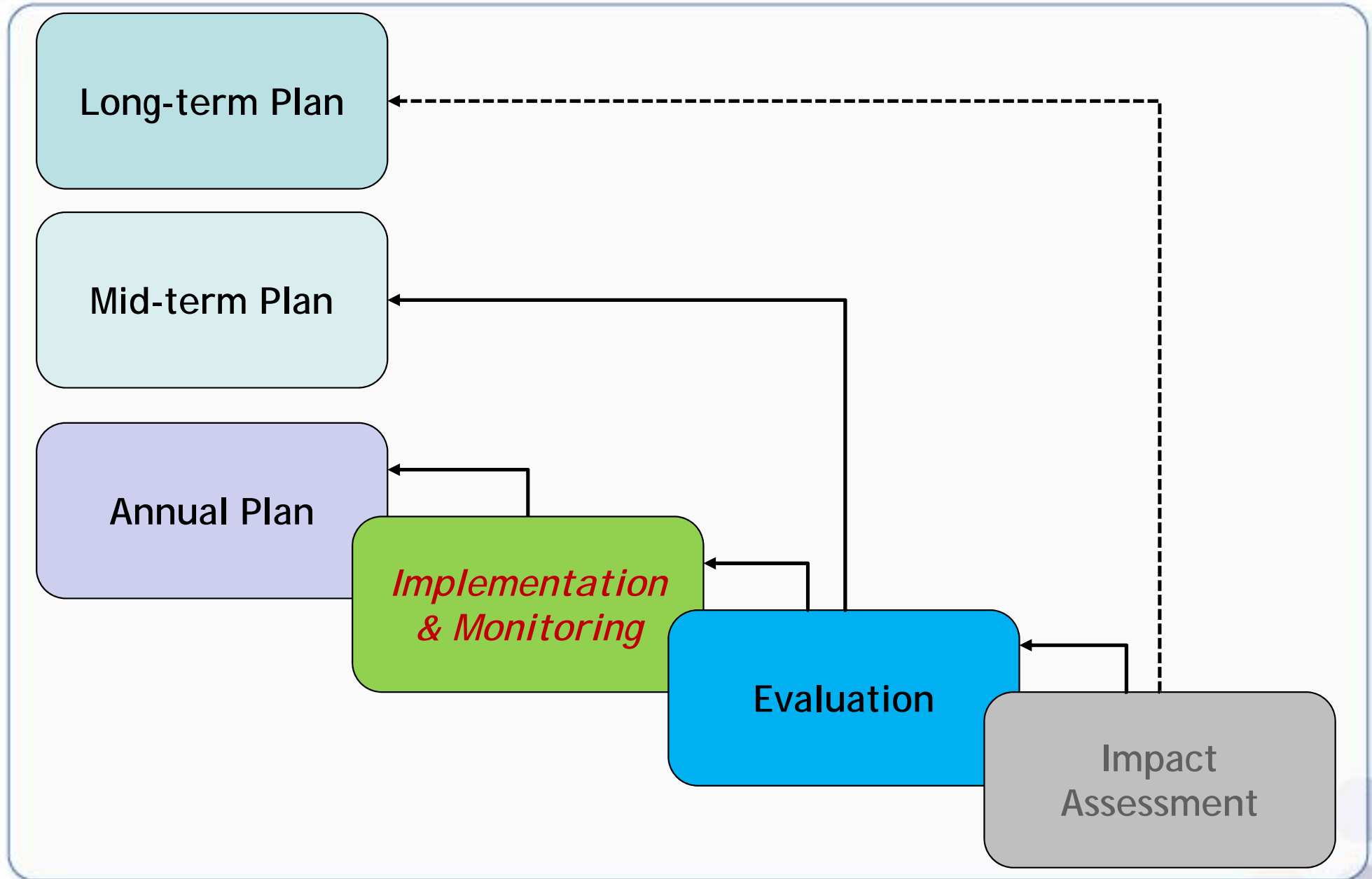


# MOP Governance in Korea



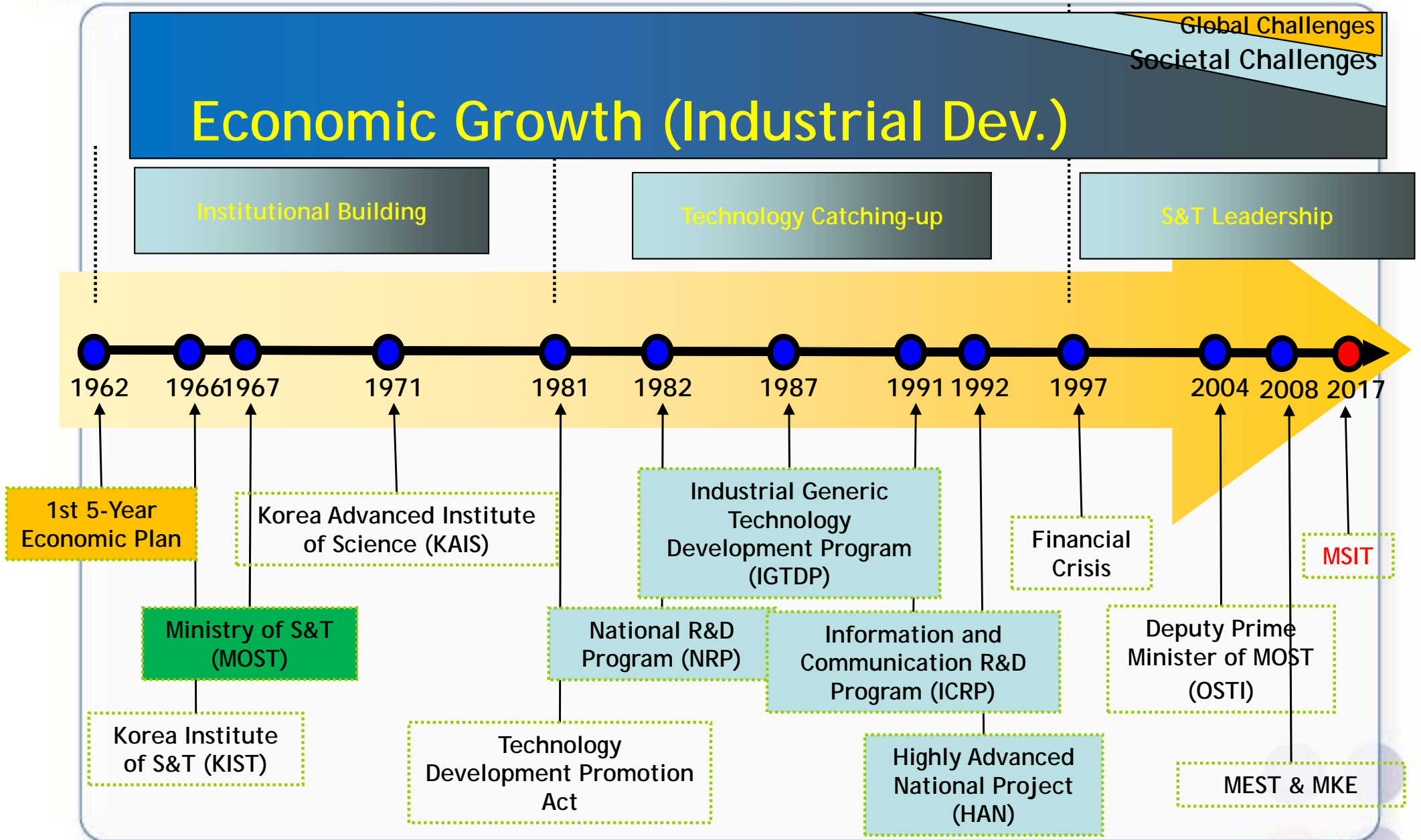


# MOP Processes in Korea





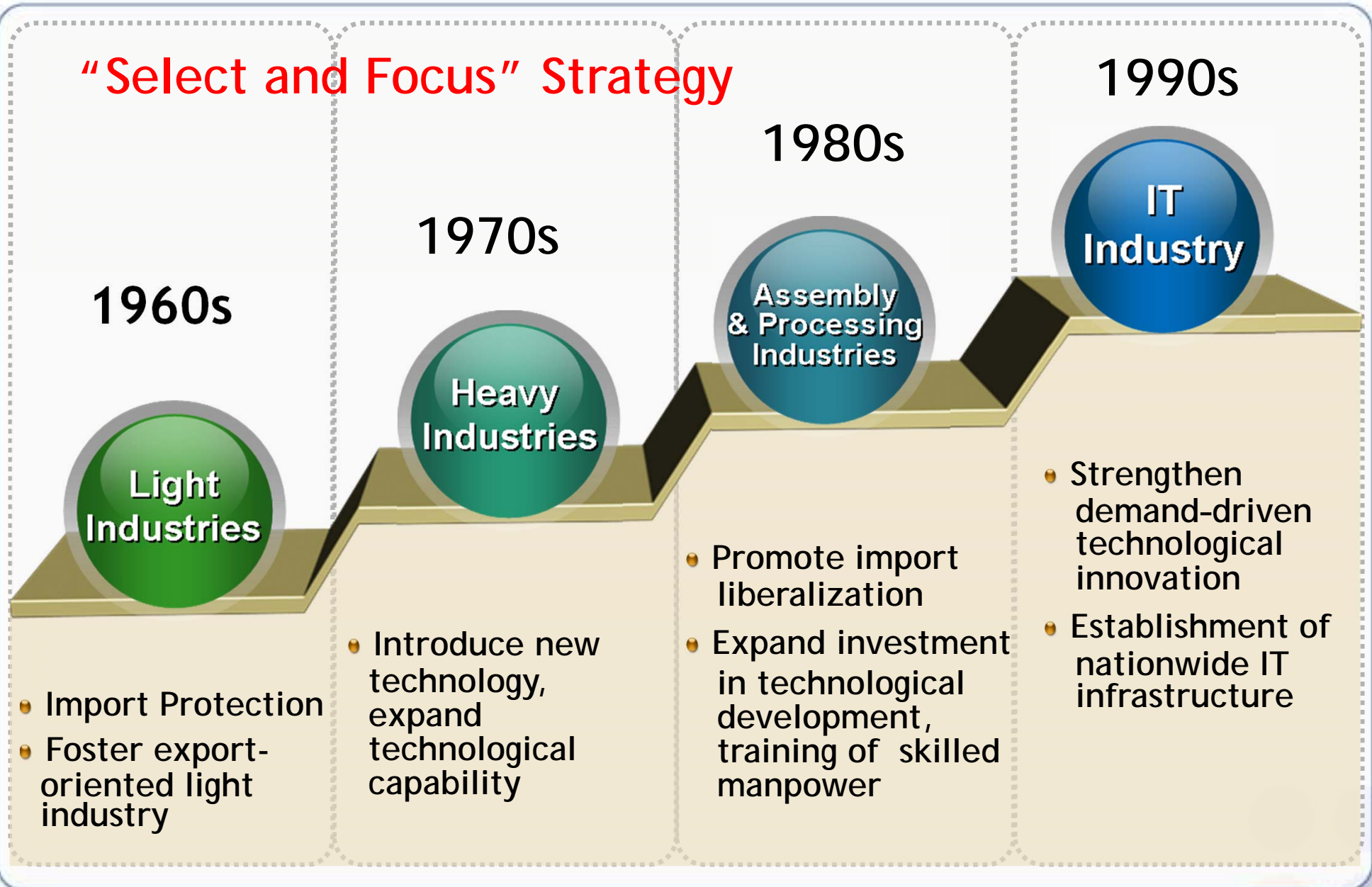
# Evolution of Korean STI Policies and Orientations





# Korean Industrial Shifts

## “Select and Focus” Strategy

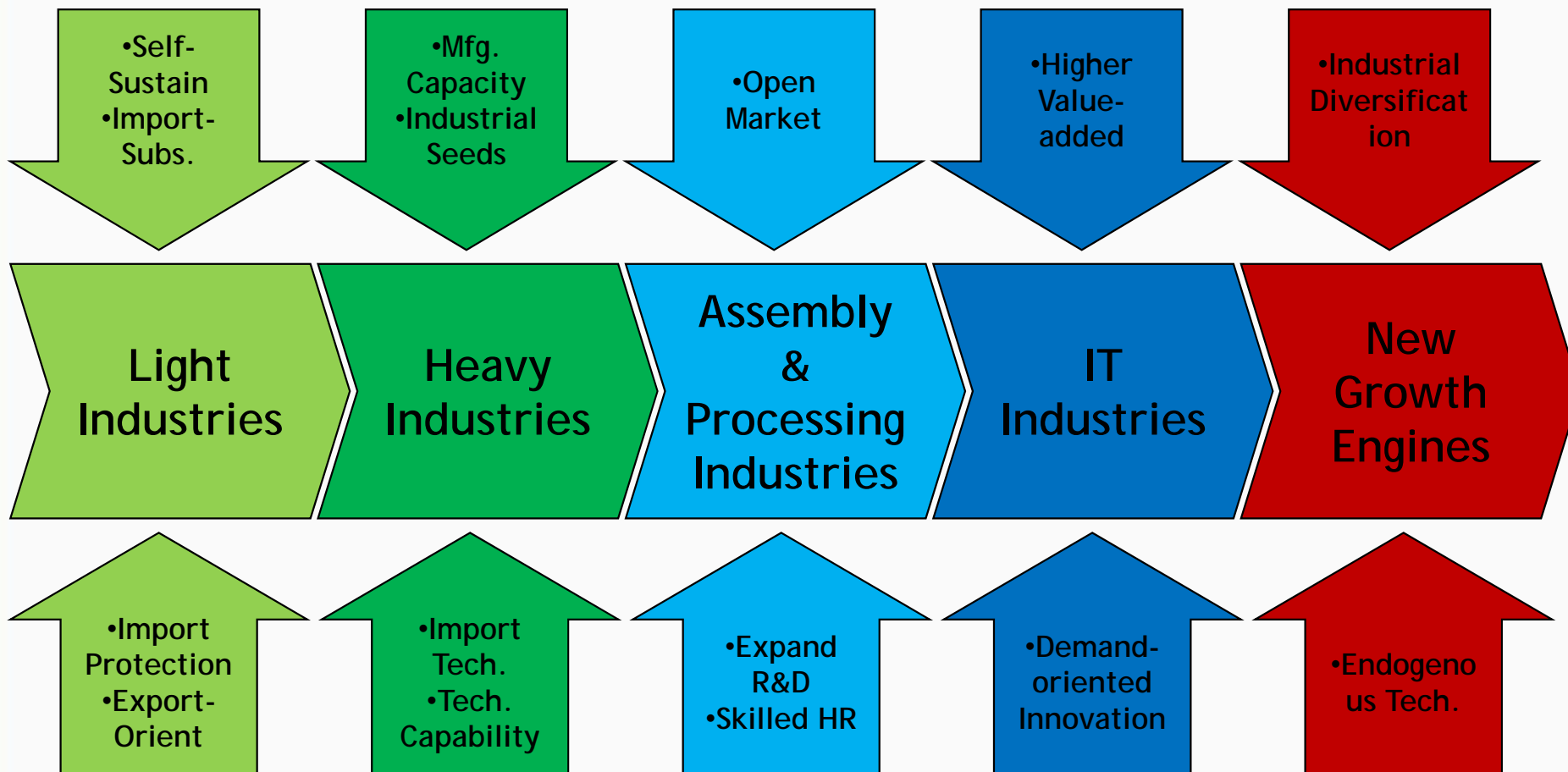




# STI Meets Industrial Demands

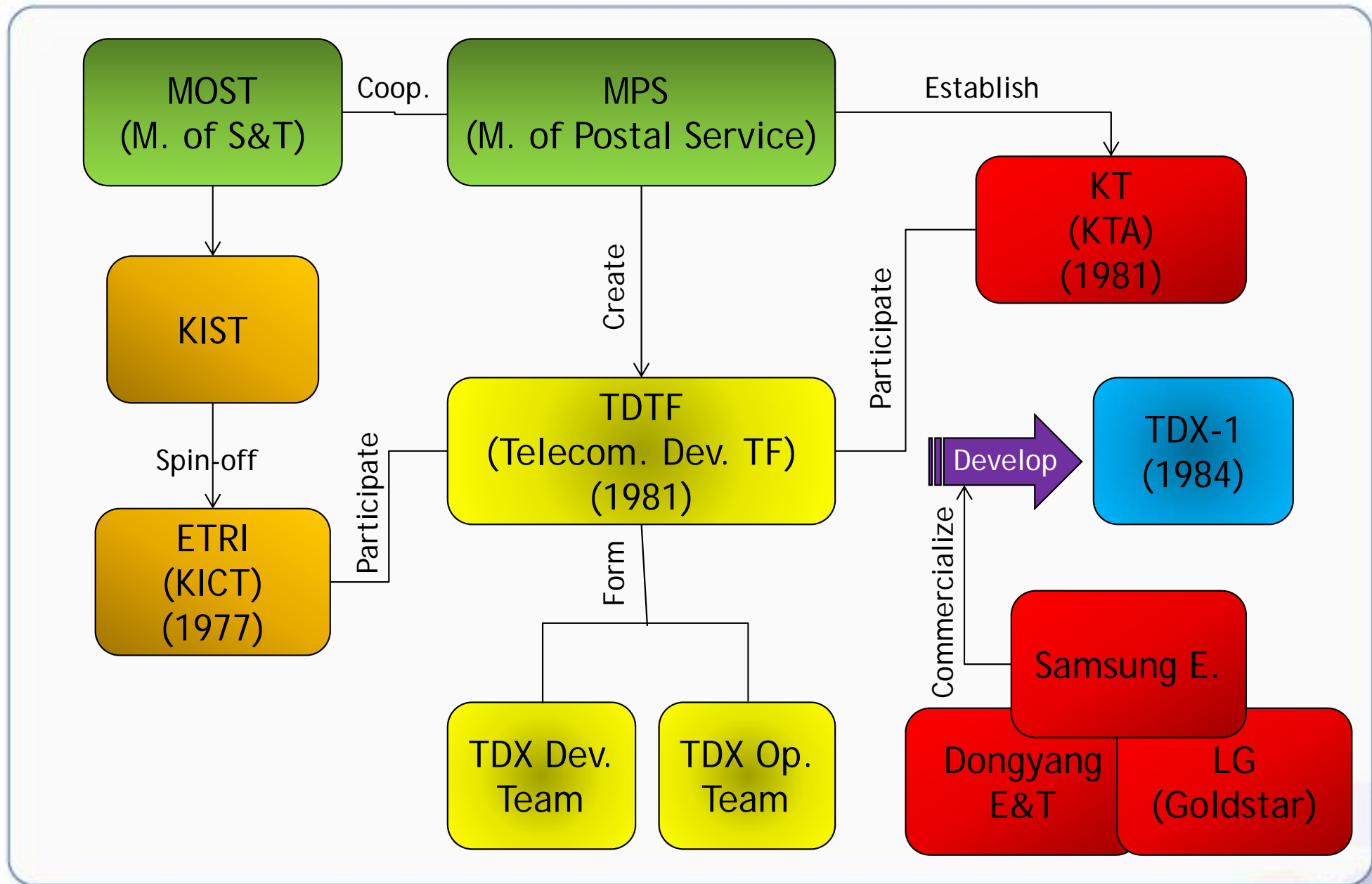
Demand Side

## Industry-Oriented STI Strategy



Supply Side

# A PPP Case: TDX Development Project (1977-1984)







## Characteristics

- **'Select and Focus' Strategy (Strategic Selectivity)**
  - Not an Option but a Must Strategy
  - Under the condition of scarce natural resources and limited financial resource
  - Selected and Focused on Decadal Strategic Industries
  - STI Policies focused on providing necessary industrial tech.
- **Policy Coordination towards National Development**
  - Economic Policy + Industrial Policy + STI Policy
  - STI Policies supported Economic & Industrial Dev. Strategies
  - Meeting Industrial Technological Demands
  - Facilitated and Encouraged Private R&D Investment & Innovation
- **Strong Implementation and Close Inspection (Evaluation)**
  - Strong Drive for Implementation
  - Close Inspection & Evaluation
  - Feedback to Planning



## Issues and Challenges

- **Picking Winners?**
  - MOP necessarily picked winners (e.g., Chaebols, GRIs, etc.)
  - Can we still pick the winners?
- **Political Leadership < Ministerial Silos < Interest Groups**
  - Political leadership getting weaker
  - Ministerial silos getting bigger
  - Interest groups getting powerful
- **Appropriate for Strengthening Basic Research?**
  - Korea is trying to strengthening its basic research capacity
  - Then, is MOP appropriate for strengthening basic research?
  - At least, some argues that Korea should abandon MOP
- **Renew MOP in Korean Context?**
  - Korea has been strong at MOP
  - Not necessarily contradict with Basic Research?
  - How to reinterpret, modify and renew Korean MOP practices?



# Thank You!

For Further Comments & Questions;

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