



Session II: Evidence-based STI approaches to achieve SDGs

Transforming research results into Innovation Role of the Government

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Structure of the Presentation

- 1. Innovation and SDGs**
- 2. Challenges in commercializing technologies**
- 3. Government as a gardener of innovation**

Current Global Challenges



Climate change



**Economic
development
and employment**



**Finite natural
resources**

Innovation is the key



Innovation and Sustainable Development





Scientific discovery & Innovation

New scientific discoveries/new technologies may lead to a patent

Innovation only takes place when this novelty is used

Then the benefits for the economy will emerge



Who produces innovations?



**Large
enterprises**



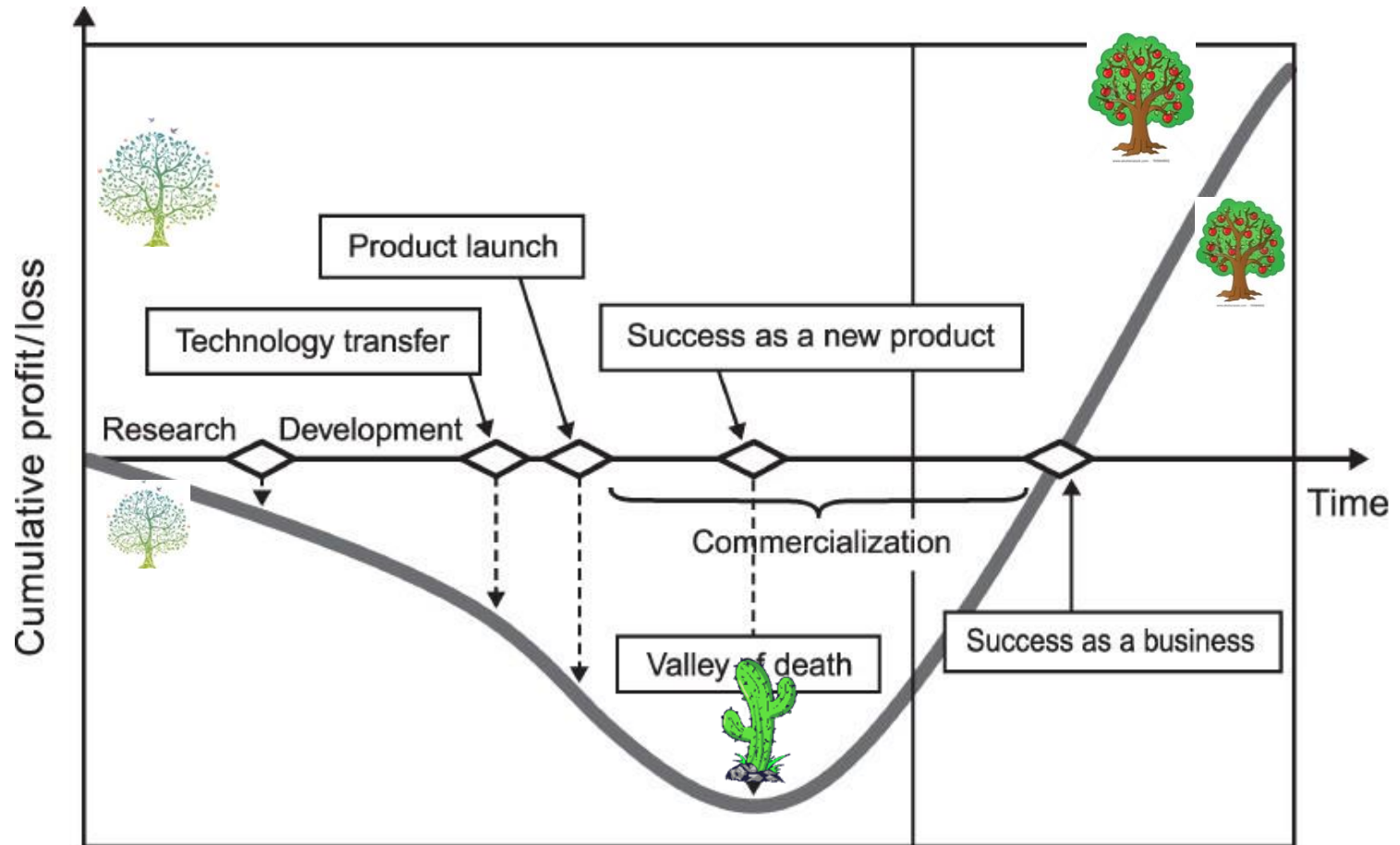
**Small and
Medium Sized
Enterprises**



**Innovative
entrepreneurs**

Typical challenges Valley of Death

Source: Osawa and Miyazaki (2006)



Innovation is a flower

Supporting sticks

Water

Enabling environment

Good seed

Good Soil

& Government as a gardener



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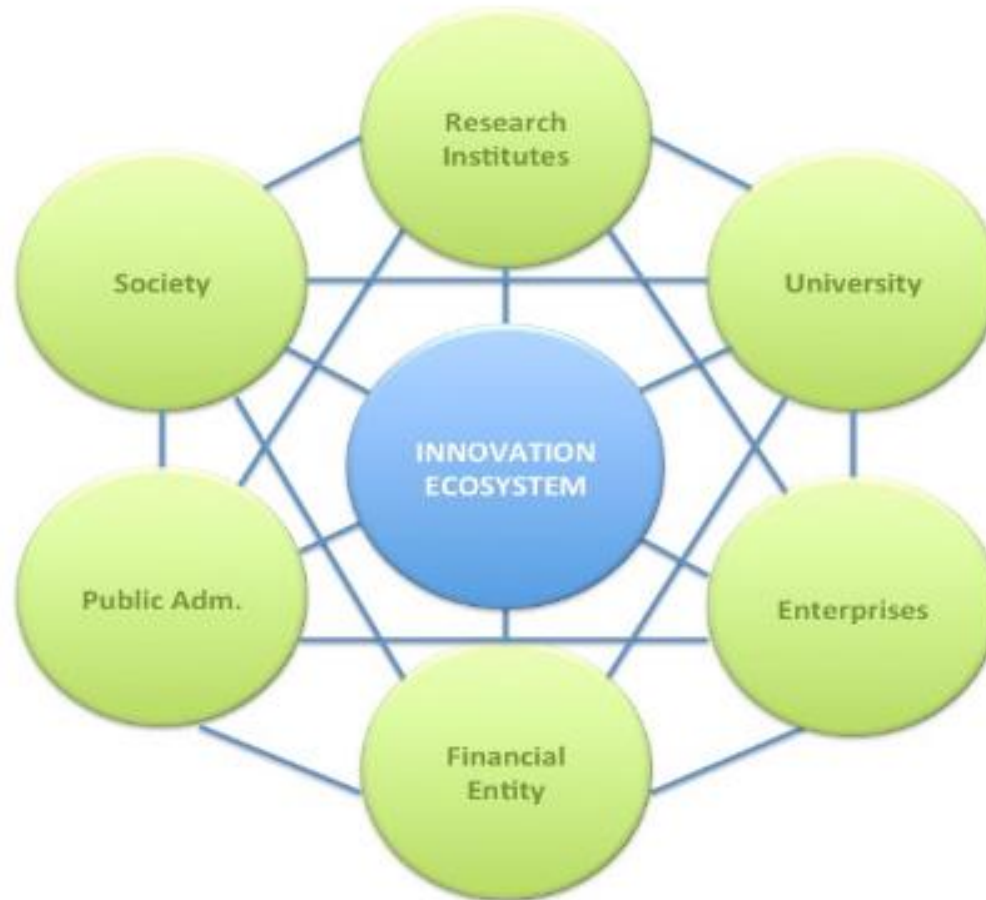


Enabling environment



1. High quality education, international cooperation, mobility of researchers, R&D expenditures
2. Robust intellectual property right (IPR) regimes
3. Efficient banking sector, venture capital and other sources of risk financing
4. Consistent and clear tax regulations
5. Attraction of innovation-friendly foreign direct investments
6. Good infrastructure (e.g. broadband internet access)
7. More entrepreneurship education
8. International STI cooperation

Cooperation and linkages are important



http://www.ecocleval.com/idi_en.html



Thank you