



**International Workshop on Intellectual Property Management  
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**Harnessing Science, Technology and Innovation for  
Inclusive and Sustainable Development –  
Role of Intellectual Property**

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# Structure of the Presentation

- 1. Science, Technology & Innovation and Sustainable Development Goals**
- 2. Inclusive & Grassroots Innovations**
- 3. Role of Intellectual Property**

# Current Global Challenges



**Climate change**



**Economic  
development  
and employment**



**Finite natural  
resources**

# Innovation is the key



# Innovation and Sustainable Development



# Inclusive & Grassroots Innovations



**Wind power  
based water  
pump**



**Solar dryer**



**Bean  
separator**

Examples from India, China, Brazil and South Africa



# Invention, Technology & Innovation

**New scientific discoveries/new technologies may lead to patents.**

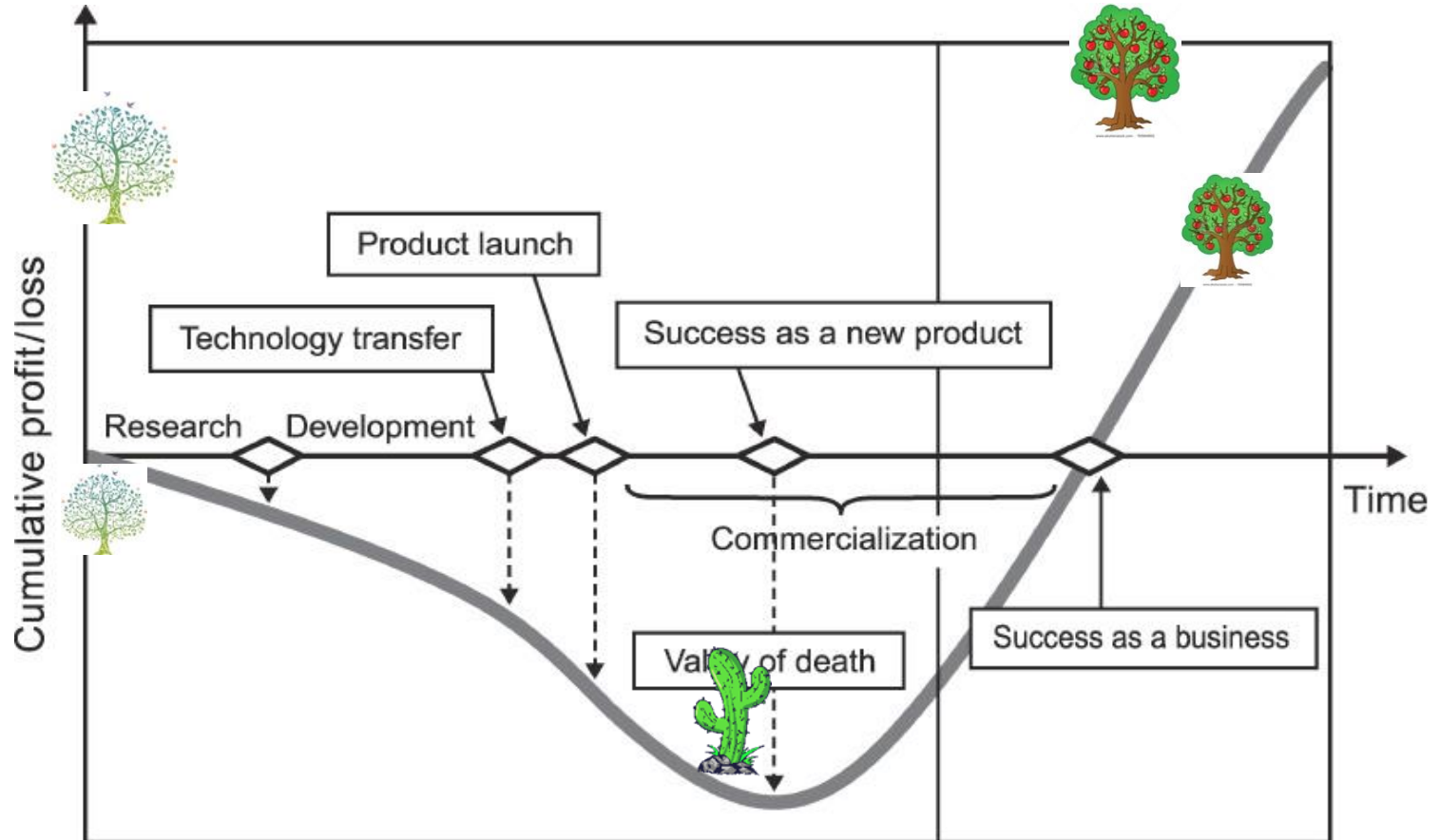
**Innovation only takes place when this novelty is used and became a new product/process in the market place. Then the benefits for the economy will emerge**

**IP can be a useful tool to facilitate and protect innovations.**



# Financing of Commercialization of Technologies - Valley of Death

Source: Osawa and Miyazaki (2006)





# Conclusion

1. Technology and innovations are different. New technologies and innovations are the keys to advance Sustainable Development Goals but they must be converted into viable commercial innovations.
2. Inclusive and grassroots innovations offer solutions for local problems, reduce inequality, and create employment opportunities for excluded/marginalized populations
3. Innovative technologies stand a better chance of successfully reaching the marketplace if IP is used strategically. IP helps companies to access financing and other supports. IP also provides a strong negotiating power when it comes to entering into and maintaining business partnerships.



**Thank you**