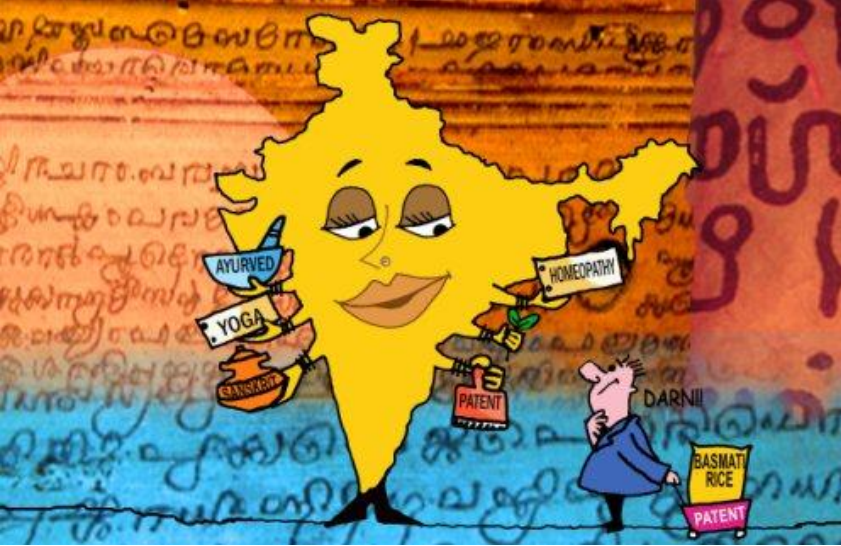


Diffusion of Traditional Knowledge (TK) and Grass root innovation (GRI) : Market-driven and Benefit sharing aspects

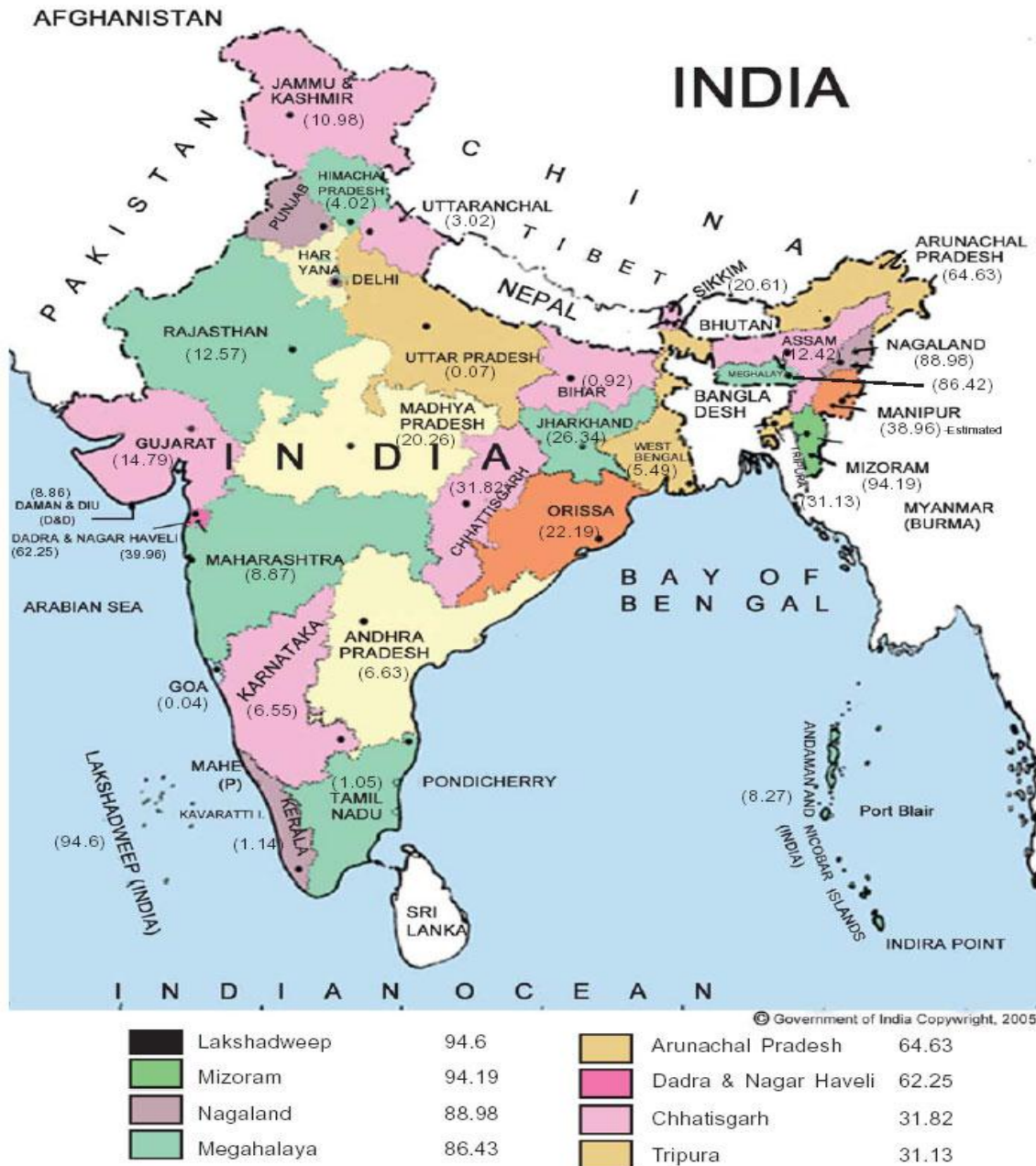
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India and TK terrain

- Turmeric, Basmati and Neem Patent revoke
- Traditional Knowledge Digital Library (TKDL)
- Community Biodiversity Registers (CBRs)
- Tropical Botanic Garden Research Institute (TBGRI)-Kani Model
- Honey Bee Network & Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI)
- National Innovation Foundation
- Others: Research Foundation of Science, Technology and Ecology (RFSTE), Kalpavriksh and save the seeds campaign, People's Ecological Planning (PEP), Foundation for Revitalization of Local Health Traditions (FRLHT)



Source : Ministry of Tribal Affairs , 2011 <http://tribal.nic.in/index2.asp?sublinkid=545&langid=1>



Significance

- Social Capital
- Conservation
- Sustainability
 - Equitable ethical distribution
 - Socio-economic development



Factors influencing Benefit Sharing

Western Science Knowledge System

- Lab-based and codified
- Test and rationality are key aspects
- Professionally led
- Dependent on varied resources local and global
- Intellectual protection is sound
- Easily accessible
- Driven by scientific norms
- Dynamic

Traditional Knowledge System

- Community based and tacit
- Shared knowledge, experience and problem solving are key aspects
- Relies on local resources
- Community driven, low profile
- Lack of intellectual protection
- Exclusive to community & tribe
- Driven by culture and social norms
- Static (practices and innovation confined to region/s)



Aims

- To **examine the social system of diffusion** of TK and grass root innovation that lead to product and enterprise development
- To **track the models that conserve, develop and diffuse** TK and grass root innovation in India.
- To **explore the value-creation and benefit sharing arrangements** between traditional knowledge holders, innovators, scientists, development agencies and private companies.
- To **conceptualize ethical benefit sharing model** for TK and GRI

Social System Variables

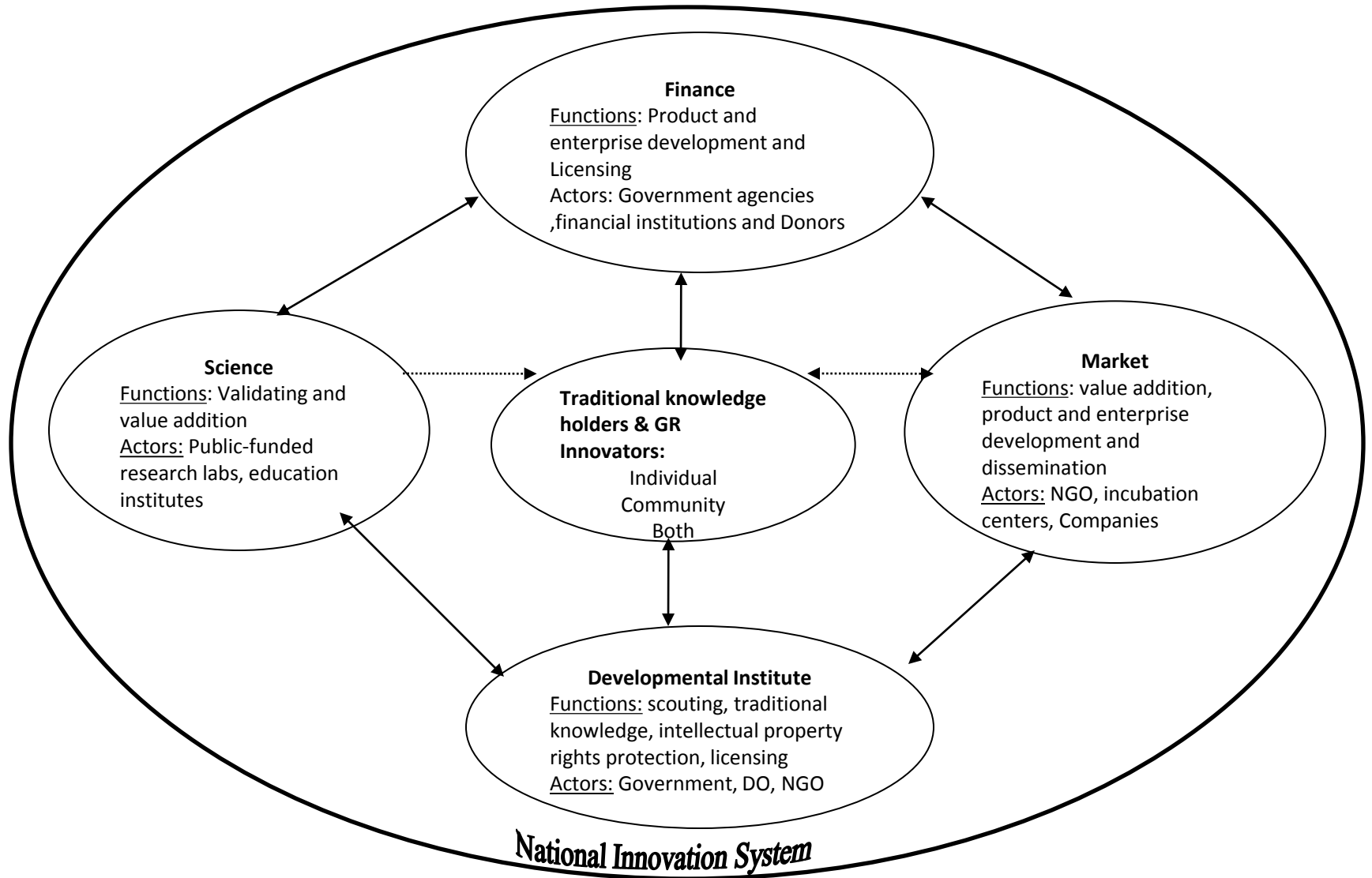


Figure 1 - Source: Self Compiled

Innovation Diffusion Framework

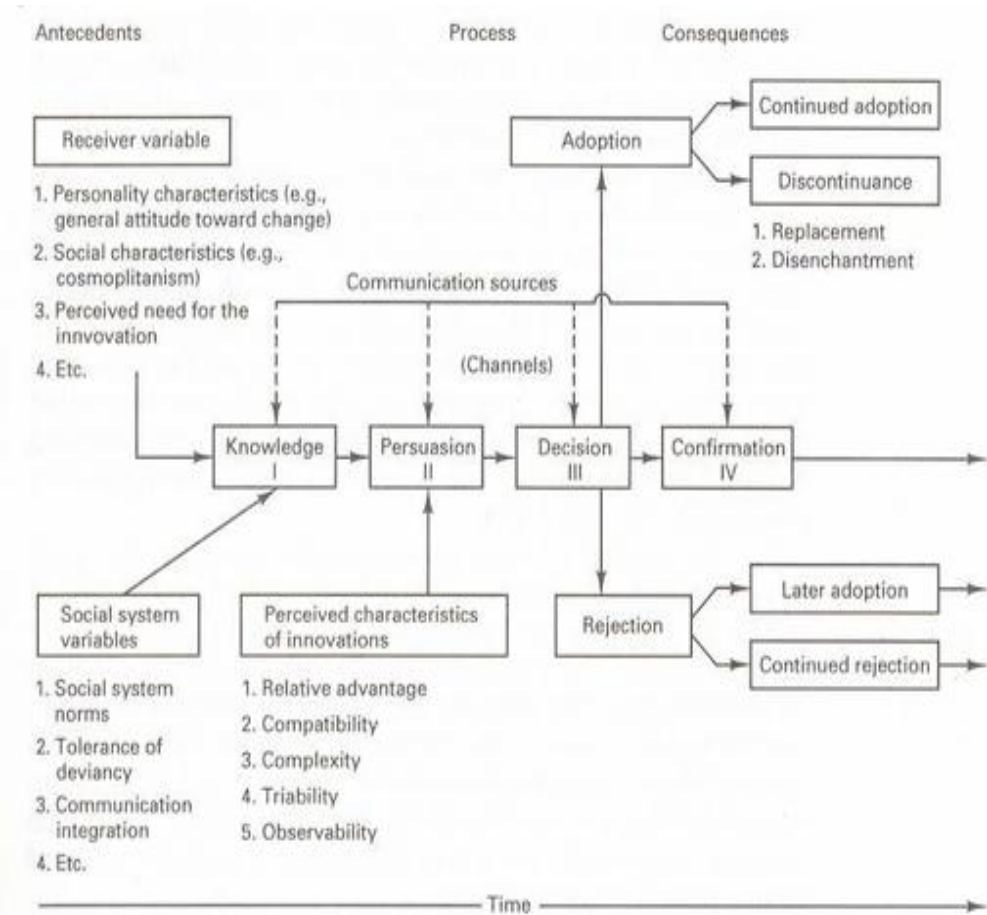


Figure 2 - Source: Rogers (2003) Diffusion of innovation model.



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