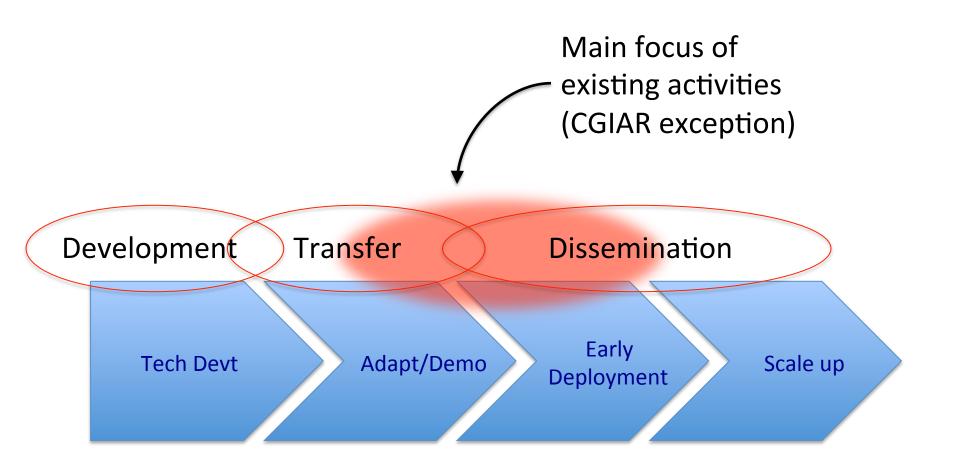
Facilitating Development and Deployment of Clean and Environmentally Sustainable Technologies: Some Reflections

Ambuj Sagar
Vipula and Mahesh Chaturvedi Professor of Policy Studies
Indian Institute of Technology Delhi
asagar@hss.iitd.ac.in

April 30, 2014

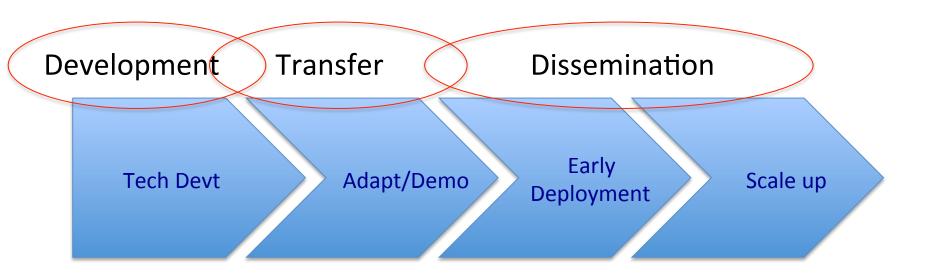
Key issues:

- Gaps (in relation to objectives and needs)
- Fragmentation vs decentralization (functions and form)
- Bottom-up assemblage vs top-down design
- Role of different domains (technology finance policy)
- Going beyond pilots [never seen a pilot that failed or scaled]



- Objectives promote the <u>development</u>, t<u>ransfer</u> and <u>dissemination</u> of clean and environmentally sound technologies (and inclusive?)
- Functions
- Form (operations and governance)
- Strategy

- Objectives
- Functions vary by stage of the technology cycle (each stage involves very different activities, with very different requirements for capabilities and resources (technical, finance, organizational, policy);
- feedbacks important (e.g., user-producer linkages); must address key gaps at that stage (vary by country and technology); cross-cutting issues (e.g., human capability building; monitoring and assessment)
- Form (operations and governance)
- Strategy

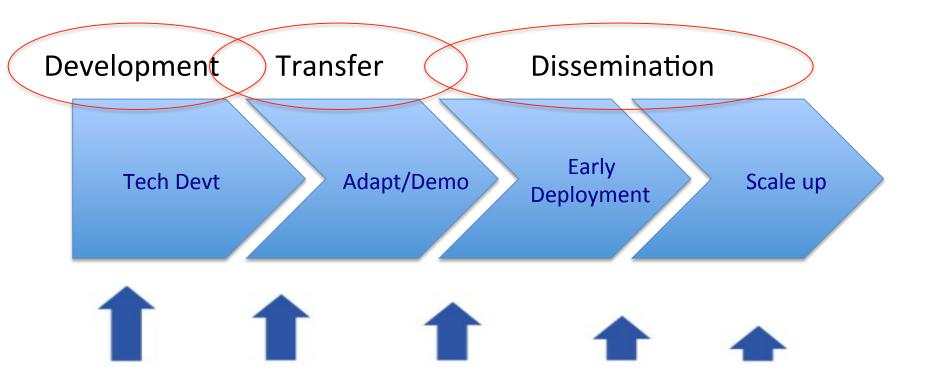


ACTIVITIES

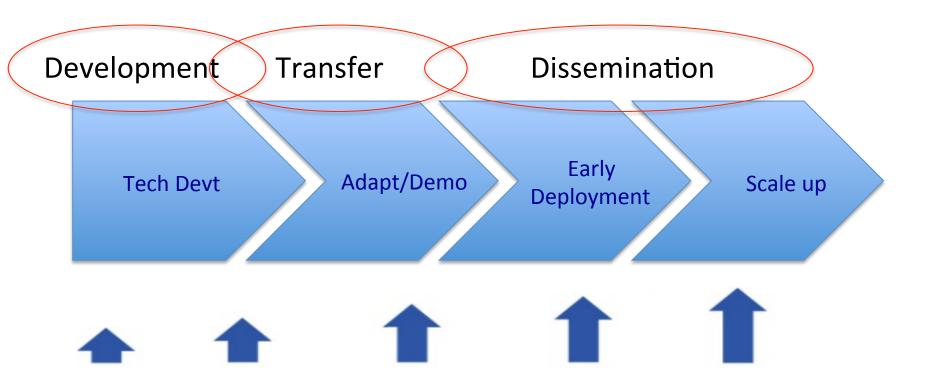
R&D, proof Adaptation for Market creation; Driving large-scale of concept local user risk mitigation for diffusion needs/context users; business model devt.

KEY SKILLS

Research & Adaptive Coordinate technology, finance, design; R&D engineering business, policy domains ("systems" operation)



TECHNICAL CAPABILITIES RISK



REQUIRED INVESTMENTS IMPORTANCE OF LOCAL CONTEXT

- Objectives
- Functions vary by stage of the technology cycle (each stage involves very different activities, with very different requirements for capabilities and resources (technical, finance, organizational, policy);
- feedbacks important (e.g., user-producer linkages); must address key gaps at that stage (vary by country and technology); cross-cutting issues (e.g., human capability building; monitoring and assessment)
- Form (operations and governance)
- Strategy

- Objectives
- Functions
- Form (operations and governance) based on best practices for activities relevant to stage of technology cycle (e.g., organizing for tech devt based on state-ofart understanding on how to manage R&D/induce innovation)
 - Building capacity for latter stages of tech cycle (i.e., dissemination) complex since local-context dependent; 'systems' perspective is key
- Strategy

- Objectives
- Functions
- Form
- Strategy start with selected focus areas/domains, emerging from SDGs? Initial focus on marginalized (e.g., poor, women...) communities?