

Facilitating Technology Development, Transfer, and Dissemination for Sustainable Development

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A Technology Facilitation Mechanism – why?

- Objectives - promote the development, transfer and dissemination of clean and environmentally sound technologies (*and inclusive?*)
- Functions
- Form (operations and governance)
- Strategy

Development

Transfer

Dissemination

Tech Devt

Adapt/Demo

Early
Deployment

Scale up

ACTIVITIES

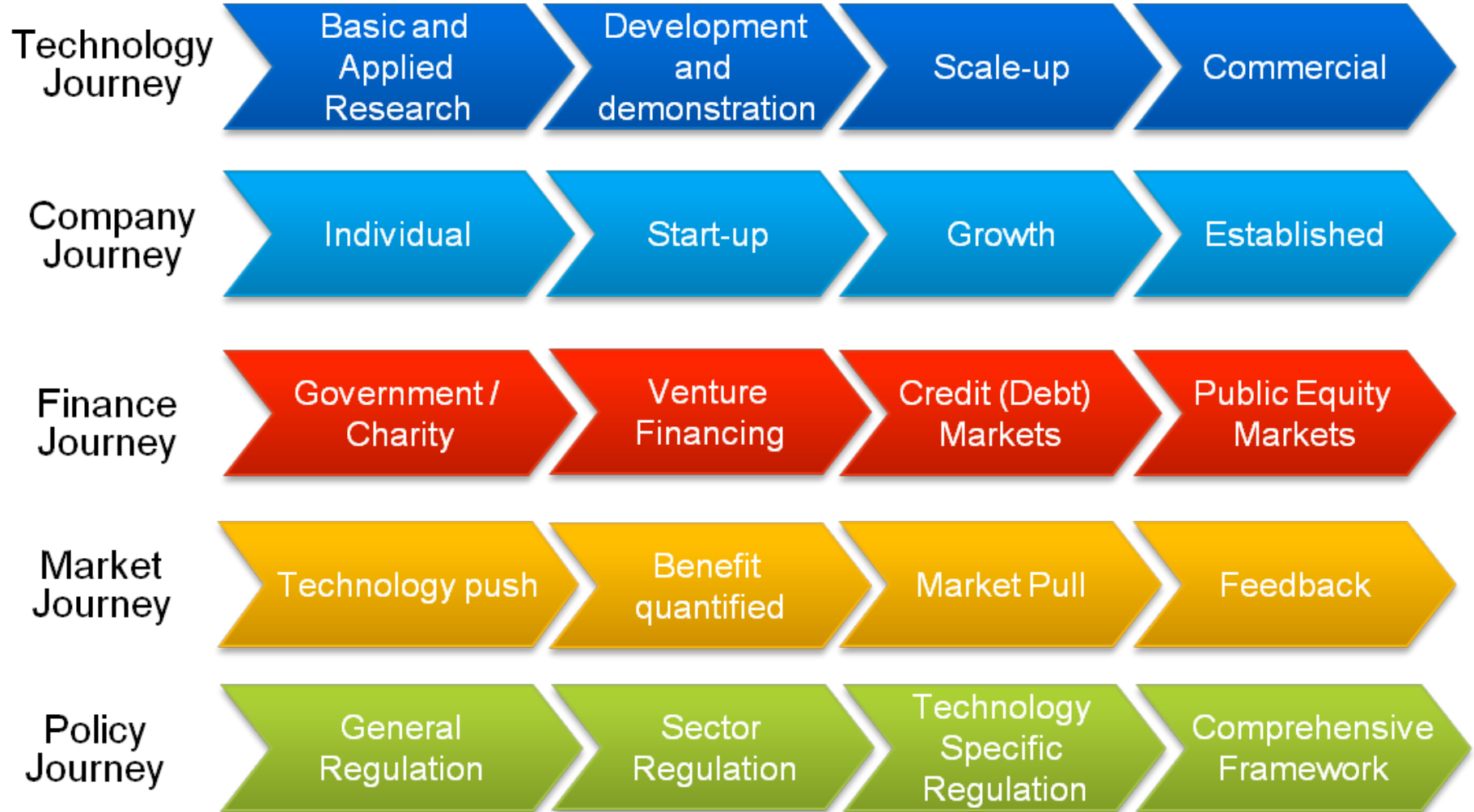
R&D, proof
of concept

Adaptation for
local user
needs/context

Market creation;
risk mitigation for
users; business
model devt.

Driving large-scale
diffusion

“Journeys” for successful application of technology



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TECHNOLOGY TRANSFER AND LOCAL ADAPTATION

TECHNICAL CAPABILITIES
RISK

Development

Transfer

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Adapt/Demo

Early
Deployment

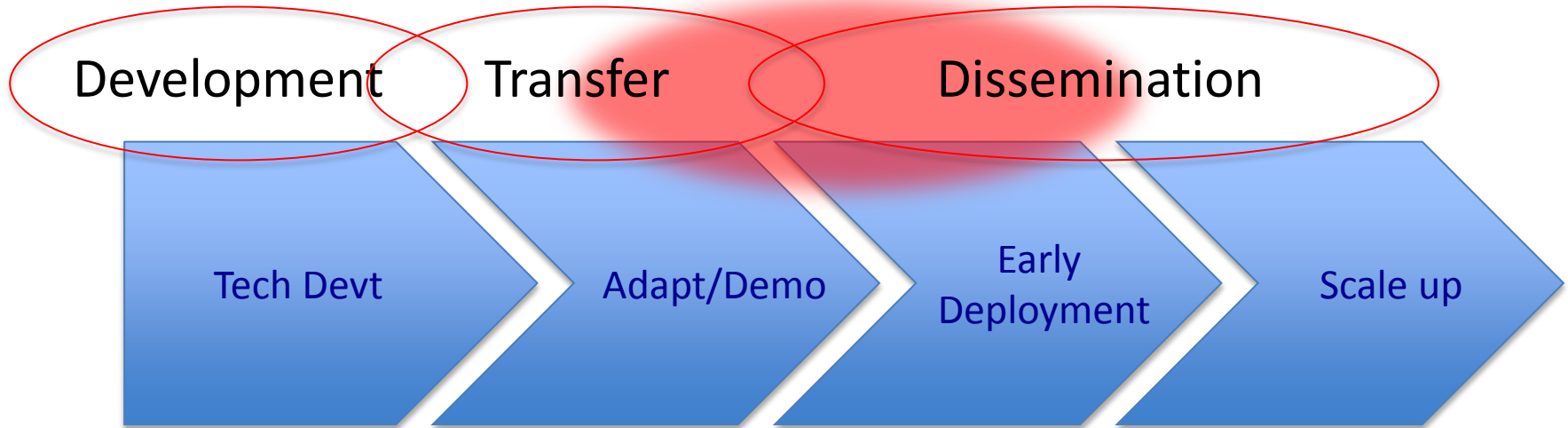
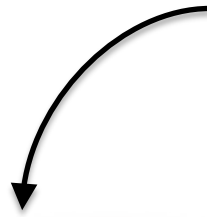
Scale up

TECHNOLOGY TRANSFER AND LOCAL ADAPTATION

REQUIRED INVESTMENTS

IMPORTANCE OF LOCAL CONTEXT

Main focus of
existing activities
(CGIAR exception)



A Technology Facilitation Mechanism - what?

- 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

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KEY REQUIREMENTS

Research &
design; R&D
management

Adaptive
engineering

Manage technology, finance,
business, policy domains +
coordination (“systems” operation)