

# Co-innovation

## **International collaboration in innovation towards Redesigning Economies**

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# Agenda

- COVID-19 Impacts
- Recovery Strategies
- Role of Technology
- Co-innovation

## COVID-19

- Devastating Impacts
- Exposing vulnerability of systems
- Posing existential challenges

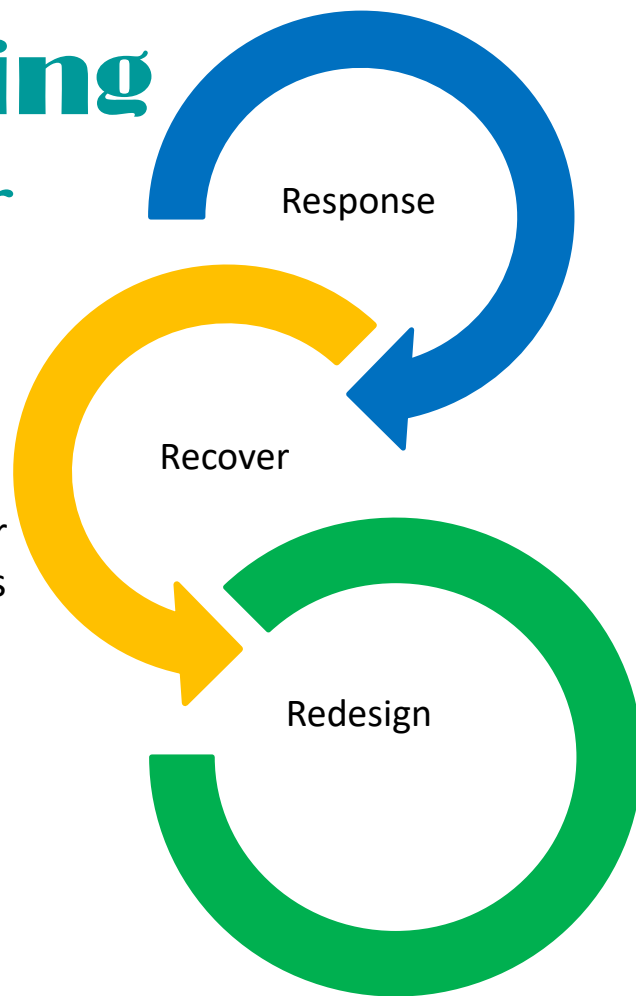


# Building Back Better

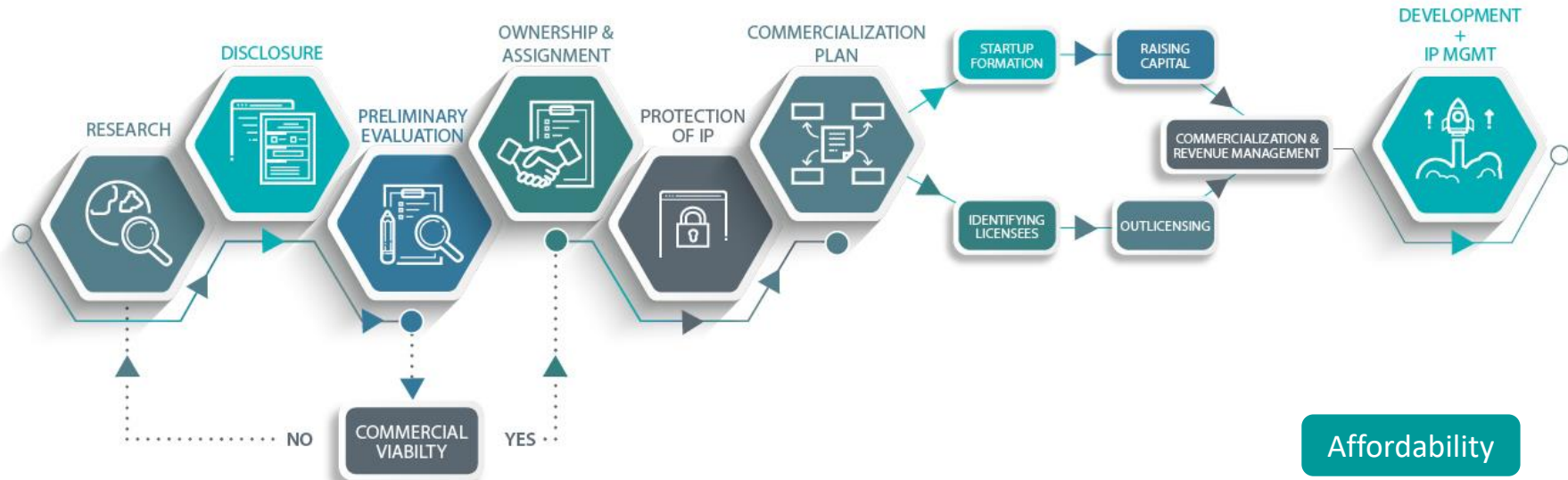
**Response:** Measures of immediate response focuses on health impacts due to COVID-19

**Recover:** Measures to recover focuses on economic stimulus packages

**Redesign:** Long-term redesigning of policies to move towards a sustainable pathway



Technology  
to play a key  
role in  
response,  
recovery  
and  
redesign



# Technology: Transfer or Sale?

Are developing countries equipped to meet the huge demand for technology?

Category	Business-as-usual	Co-innovation
<b>Discretion</b>	Based in source country or entity	Locally-led
<b>Research &amp; development</b>	By source partner	Joint R&D
<b>Supply</b>	Import-basis	Local production
<b>Product specifications</b>	Specifications originally made for source partner	Localized
<b>Funding</b>	Product is largely developed by source partner funding	Co-financing
<b>Human resource</b>	Dispatch of managers and experts from Source partner	Local human resource development
<b>Pricing</b>	Often unaffordable	Competitive

“ **Co-innovation is a collaborative and iterative approach to jointly innovate, manufacture and scale up technologies** ”

### Approach

- Collaborative in Ideation to production to marketing
- Local knowledge driven
- Cost effective

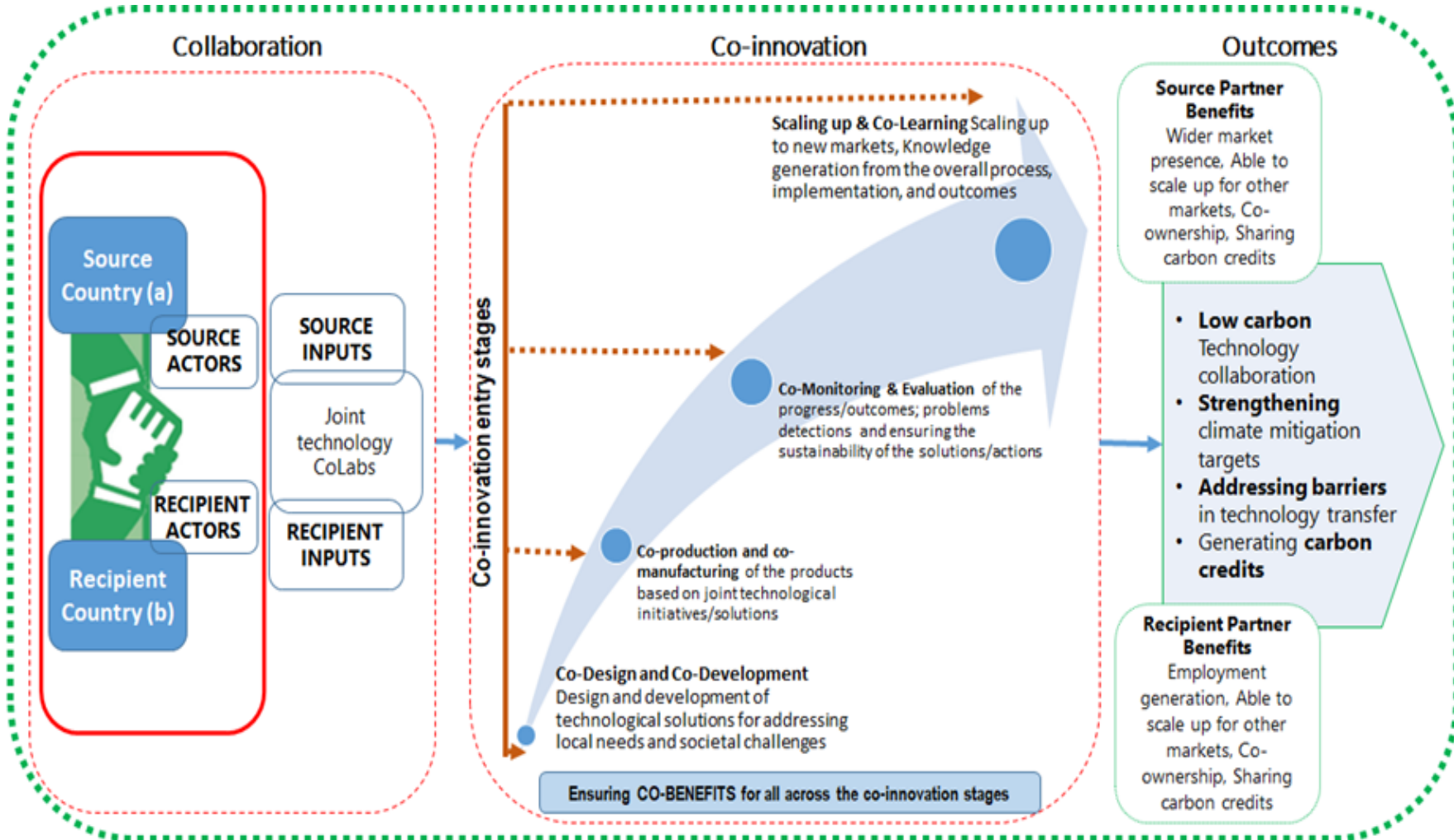
### Focus Areas

- Low-carbon technologies
- Air pollution, Energy & industry
- Balancing climate & recovery

### Benefits

- Involving multiple stakeholders
- Multiple advantages for source and recipient partners

# Co-innovation



# Critical in redesigning economies

- **Demand for clean energy technologies** in developing countries are likely to grow as countries push for greater '**self-sufficiency**' and '**strengthening local economies**'.
- Demand for **newer technologies** that can support **economic recovery** are expanding quickly.
- **Co-innovation can** be of great importance to areas where closer collaboration among stakeholders are critical.

## Policy Attention Needed:

- ▶ Institutional development
- ▶ Intellectual property regime
- ▶ Incentivise Private Sector Participation



## Thank You

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### References:

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- Janardhanan, N., Ikeda, E., Zusman, E. & Tamura, K., 2020. *Co-innovation for Low Carbon Technologies: The Case of Japan-India Collaboration*, Hayama: Institute for Global Environmental Strategies.
- **Picture source:** Unsplash