

# CTCN

## Scaling up technology transfer

Orly Jacob, Chair, CTCN Advisory Board

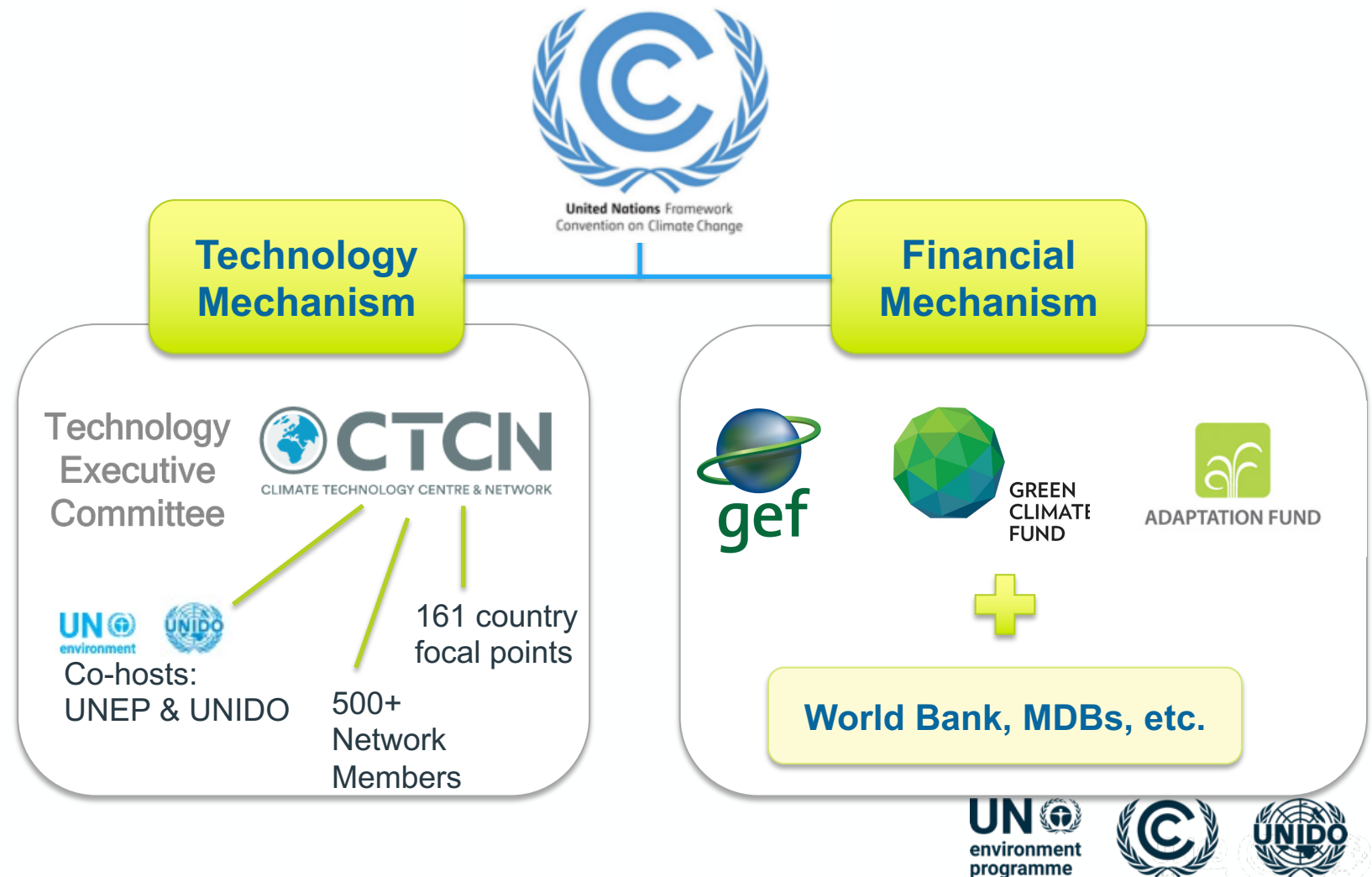
Tomoo Machiba, CTCN Deputy Director

17 June 2020



# Climate Technology Centre and Network

- Operational arm of the UNFCCC Technology Mechanism.
- Mandated to support the development, transfer, deployment and dissemination of climate technologies.
- Work with Financial Mechanism & via 500+ expert implementing partners (= Network)
- Co-hosts: UNEP & UNIDO



# CTCN Technical Assistance: How it works



Interested parties contact their National Designated Entity to request climate technology assistance.

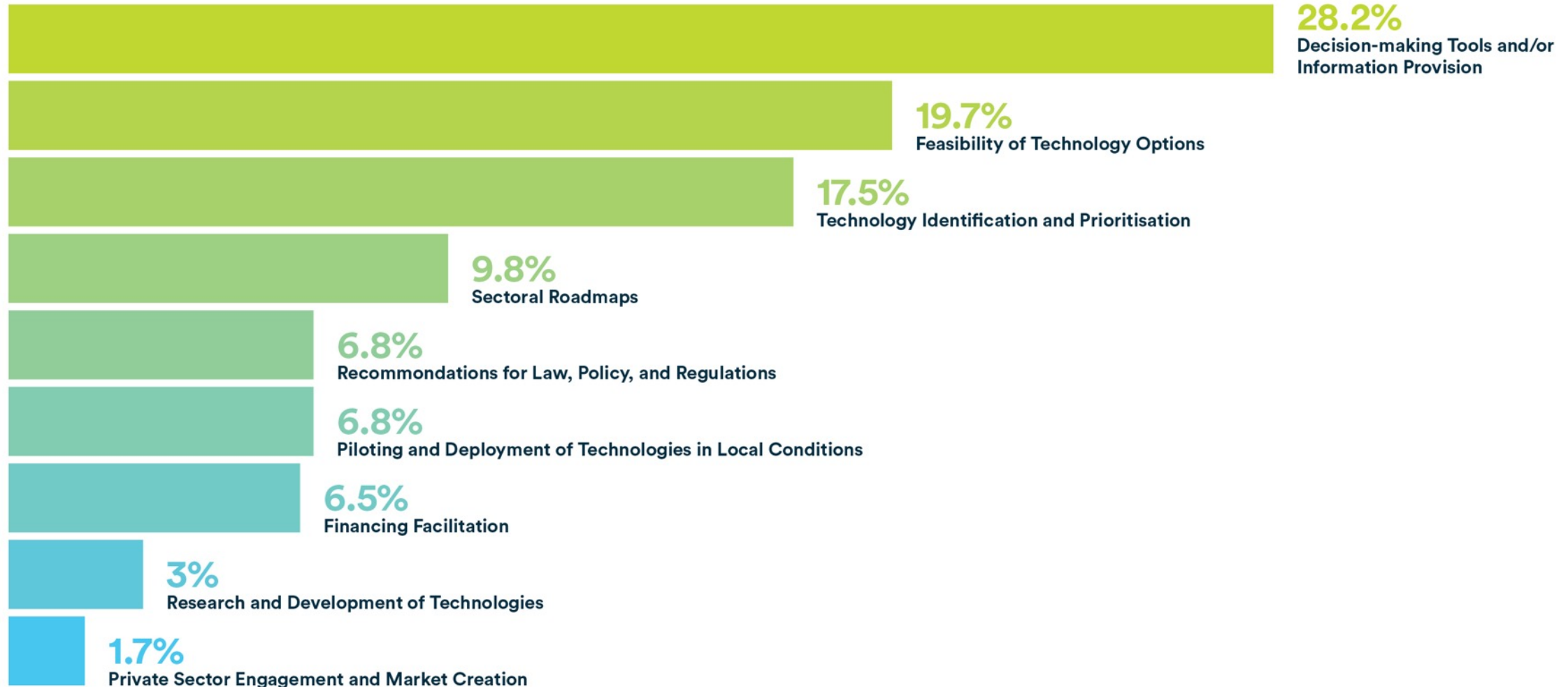
NDE confirms the alignment of the request with its national climate priorities and passes it to CTCN.

CTCN collaborates with NDE and applicants to develop a tailored technology transfer plan.

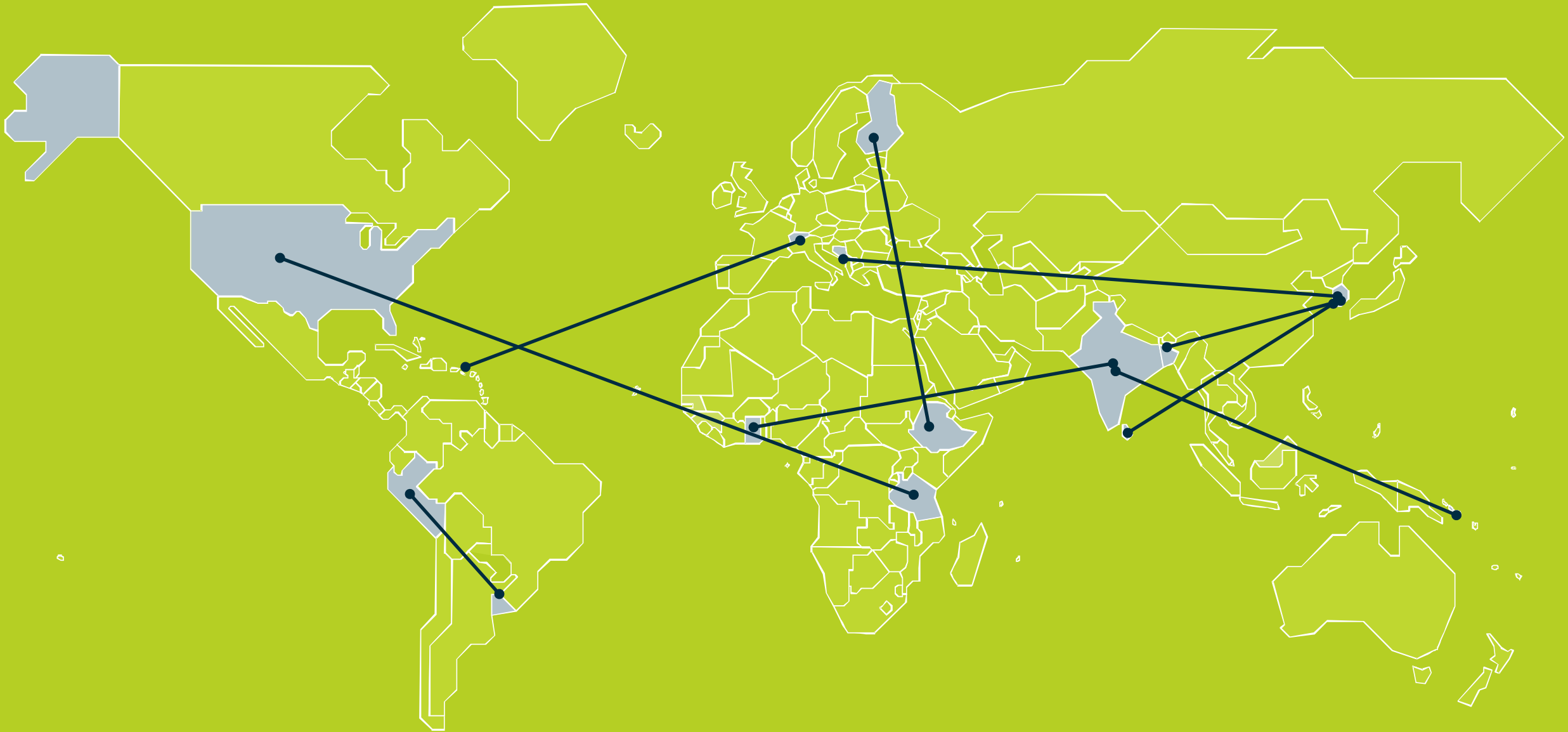
CTCN implements the technology solution with a selected Consortium or Network member.

12-18 months from request to completion; up to \$250,000 per request

# Distribution of Technical Assistance Requests by Type of Assistance



# Connecting Countries with Experts Worldwide



# **Distribution of Network Members** by Type of Expertise

**380**

**Knowledge  
Management**

**208**

**Technology  
Development/  
Transfer**

**380**

**Policy &  
Planning**

**200**

**Collaboration  
in Innovation**

**341**

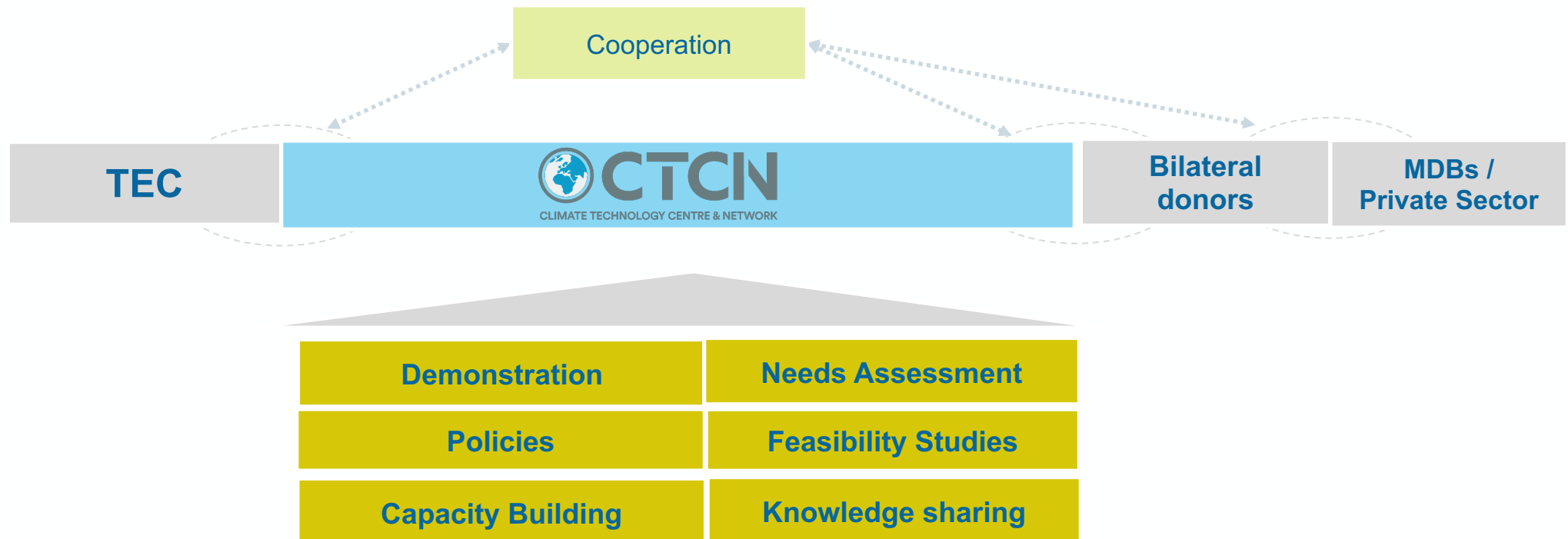
**Capacity  
Building**

**175**

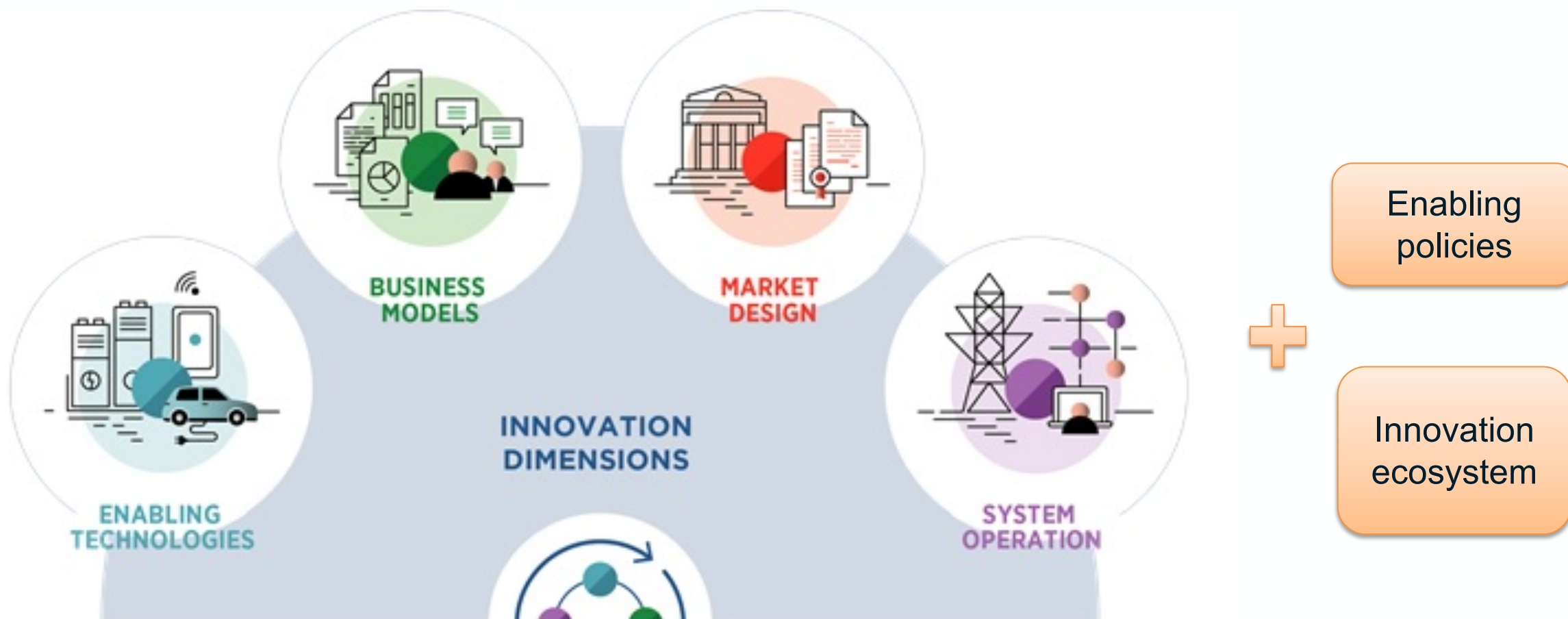
**Investments**



# CTCN: Value proposition for scaling up



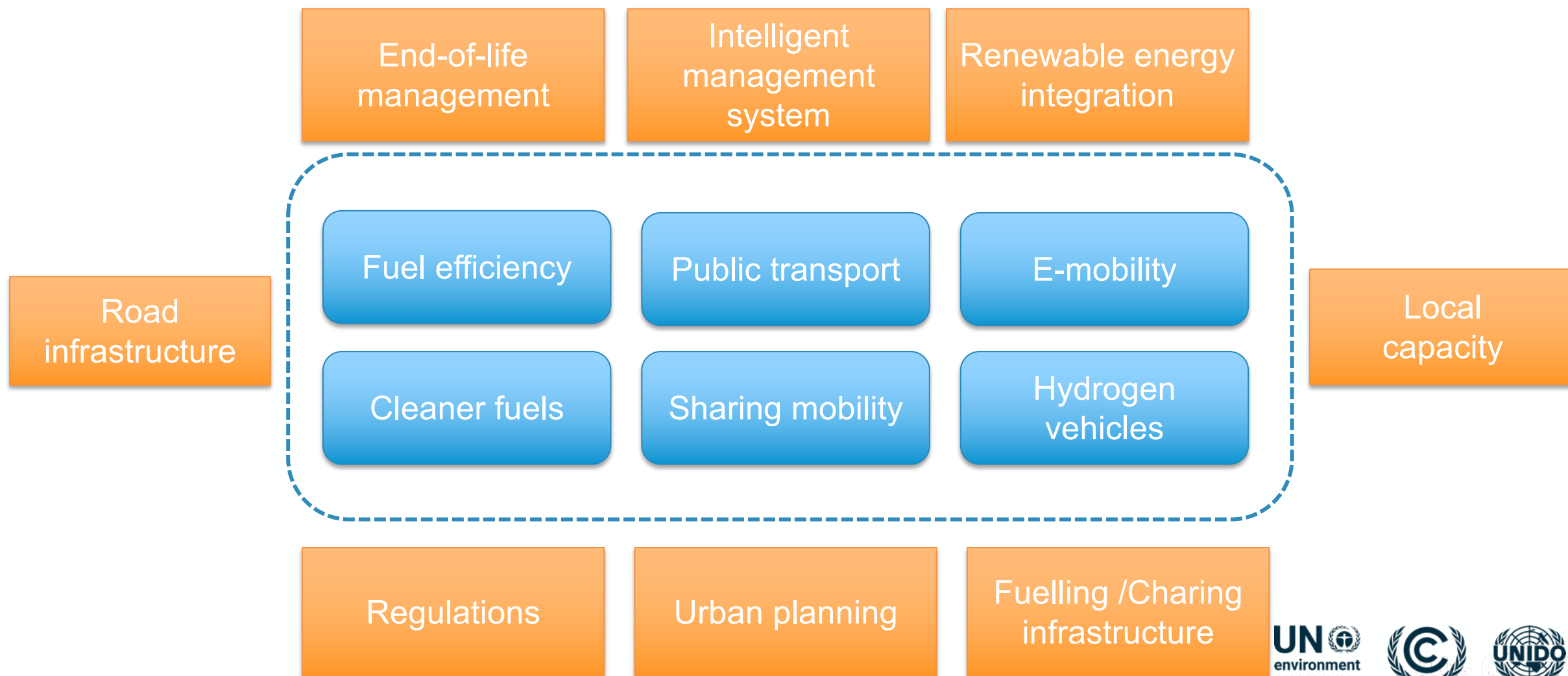
# Elements enabling technology transfer



Source: IRENA (2019), *Innovation landscape for a renewable-powered future: Solutions to integrate variable renewables*



# Options & enablers for sustainable transport



# CTCN projects for sustainable transport (1)

- Indonesia: Support for e-mobility transition in Jakarta
  - Develop an investment plan and procurement documents for e-bus
- Vanuatu: Feasibility study for low-emission land transport sector
  - Support GCF proposal development
- Nauru: Feasibility study for sustainable land transport
  - Develop a roadmap for relevant technology solutions
- Cambodia: Development of low-emission mobility policies and financing proposal
  - Develop strategies, action plans, and proposals to access global funds
- Bhutan: Improving public transport systems through capacity building
  - Develop and deliver training for Intelligent Transport Systems
- Laos: Developing a master plan for green power to gas technology
  - Use hydrogen and methane produced via power-to-gas processes

# CTCN projects for sustainable transport (2)

- Ethiopia: Financing strategy for Addis Ababa Light Rail Transit
  - Formulate financing structure and instruments
- Panama: Accelerating the transition to sustainable mobility and low carbon emissions in Panama City
  - Analyze two alternatives: electrical buses and natural gas buses
- Brazil: Internationalization of the Brazilian hydrogen energy research and development network
  - Knowledge sharing of best practices with national institutes and firms
- Georgia: Cost-benefit analysis for the adoption of EU vehicle emission standards
  - Develop terms of reference for a full cost-benefit analysis

# Post COVID-19 focus

In the current global context, CTCN is focusing its technical assistance on key approaches to support a “green recovery”:

- National systems of innovation
- Circular economy roadmaps for updating NDCs
- Digital & transformative technologies, e.g., in urban transportation
- Building resilient communities with adaptative technologies
- Use of nature-based solutions for resilience

# Partnership for financing & scaling up



## Green Climate Fund (GCF)

- >20 GCF Readiness proposals have been developed and submitted



## Global Environment Facility (GEF)

- 10 TAs were delivered under GEF-5 Medium Size Project
- Innovative financing for adaptation technologies in medium cities



## Adaptation Fund

- Adaptation Fund Innovation Aggregator (micro-grant mechanism) to operate with UNDP



## NDC Partnership

- Support 11 country requests to CAEP, through CTCN TAs



# Join CTCN network

- **Commercial opportunities:** Pre-qualified access to competitive bidding to provide CTCN technical assistance services to developing countries
- **Connection:** Network with national decision-makers, thought leaders, and other Network members to expand your partnership opportunities and learn emerging practices
- **Visibility:** Increase your global recognition and showcase your success stories through events, reports and tools
- The membership is free of charge.
- Complete application on [www.ctc-n.org/network](http://www.ctc-n.org/network)



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