

# Partnering to shape the future,

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scaling innovative development solutions for  
people in Asia and the Pacific



*Empowered lives.  
Resilient nations.*



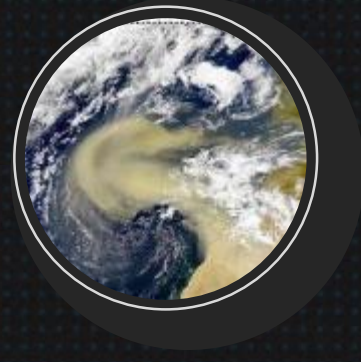
# Emerging Mega Trends



\* The New  
World Order



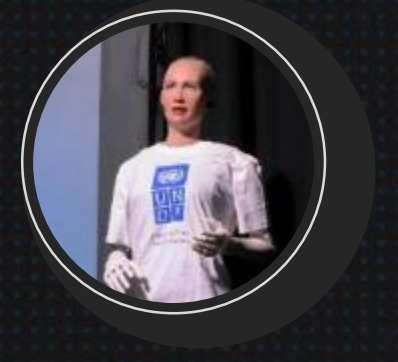
\* Rapid  
Urbanization



\* Climate  
Change



\* Rising  
Inequality



\* The 4th  
Industrial  
revolution



# Implications for Programming:

## **INNOVATION**



*Future-fit*



*User-centered*



*Iterative  
& experiments*



*"Scalable"*



# Innovation lab set by UNDP Bangladesh: a2i



Achievement

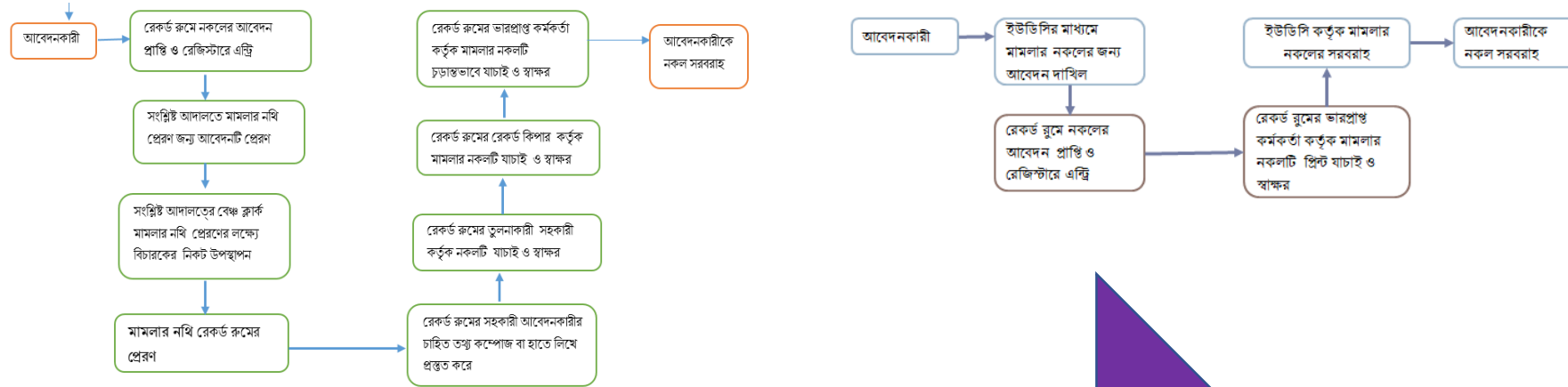
...over 5,000 one-stop service centres called "Digital Centres"

...saved around 1.2 billion person-days, reduced over 627 million visits, and saved over US\$ 4.7 billion



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# Service Process Simplification (SPS), Coupled with Digitization, And Measured with TCV



**T** = 7+ days  
**C** = USD 63  
**V** = 40 km x 2-3 times

1. Service Process Simplification
2. Decentralization to Digital Centre
3. Digitization of Service

**T** = 1 hour  
**C** = USD 4  
**V** = Walking distance

1<sup>st</sup> rule of technology: automation applied to an efficient operation will **magnify the efficiency.**

2<sup>nd</sup> rule: automation applied to an inefficient operation will **magnify the inefficiency.**

# TCV Studies Show Significant TCV Reduction by Mostly Underserved Communities

<b>Health</b>	<b>Utilities</b>	<b>Education</b>
<b>Agriculture</b>	<b>Livestock</b>	<b>Licenses</b>
<b>Land</b>	<b>Safety Nets</b>	<b>Tickets</b>

**Saved in 2017**

**1.2 B Person days**

**US\$ 2.9 B**

**471 M visits**



**Projection for 2021**

**4 B Person days**

**US\$ 39 B**

**962 M visit**



# UNDP India designs Electronic Vaccine Intelligence Network (eVIN)



Achievement

...designed and implemented eVIN to enable real time information on cold chain temperatures and vaccine stocks and flows

...digitized vaccine inventories and record-keeping at nearly 10,500 vaccine stores

...achieved a regular reporting rate of more than 98 percent

...logged over 2 million vaccine transactions online on the eVIN server every month

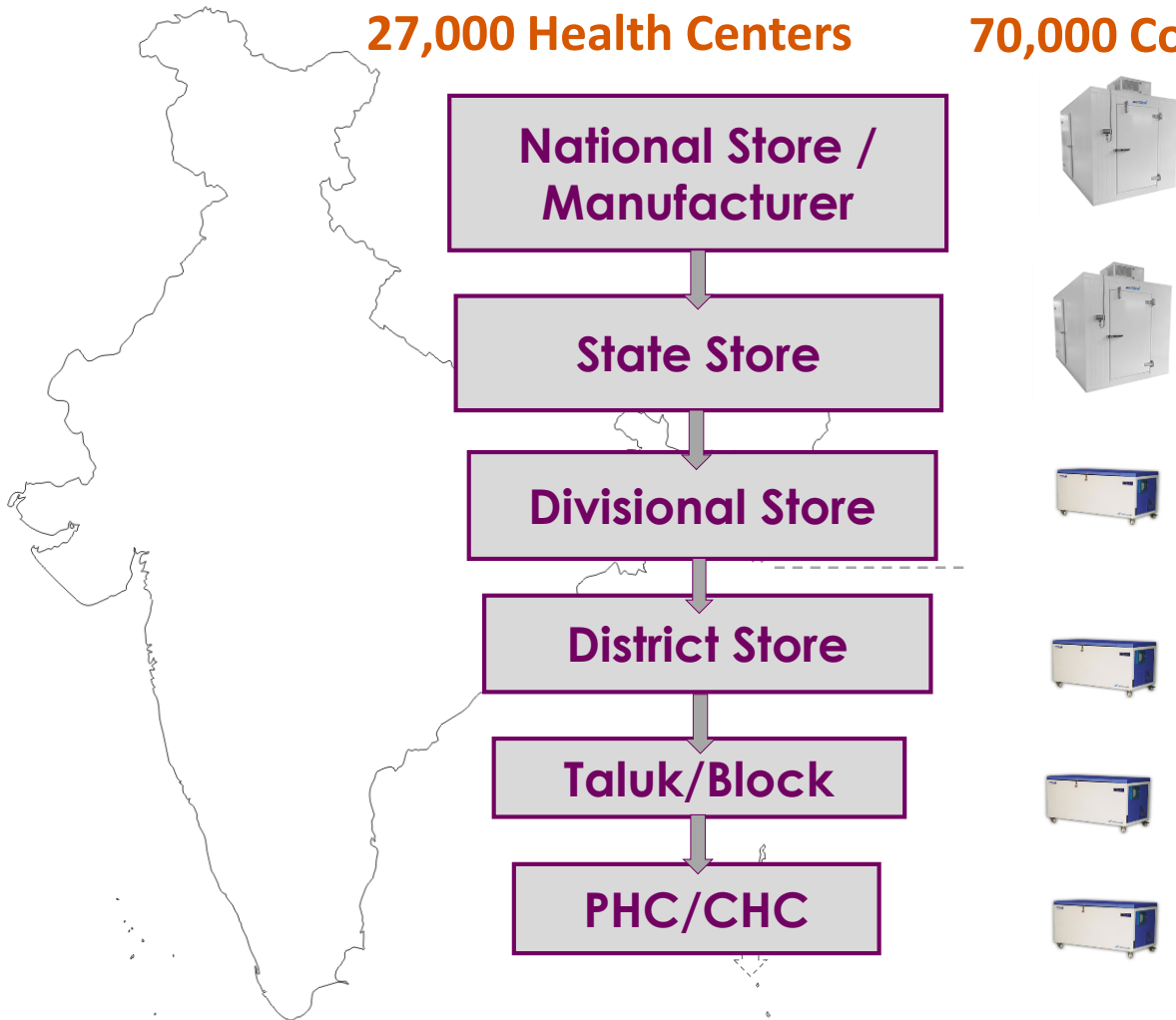


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## India has a Six-level Vaccine Supply Chain

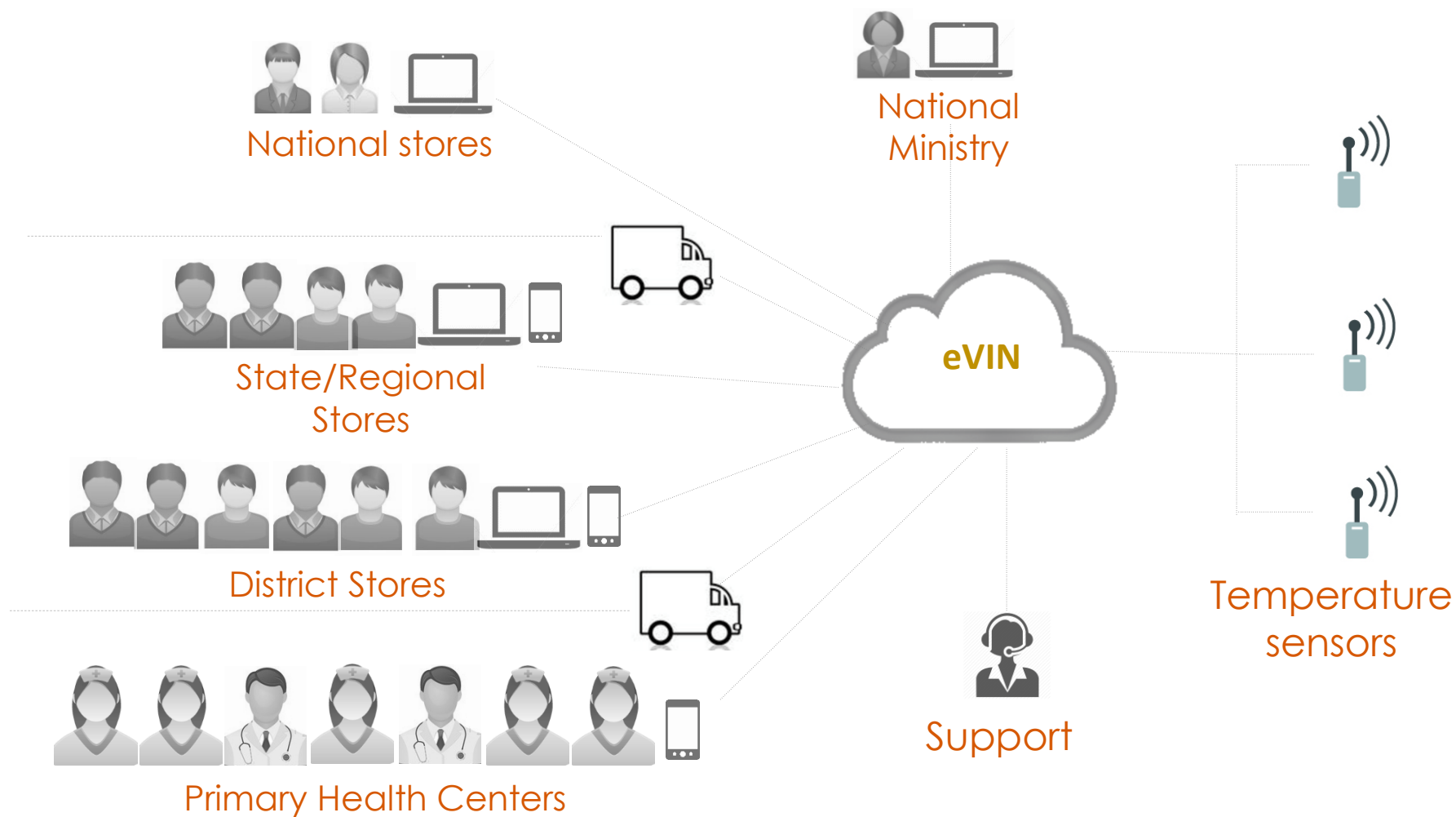
27,000 Health Centers

70,000 Cold Chain Equipment



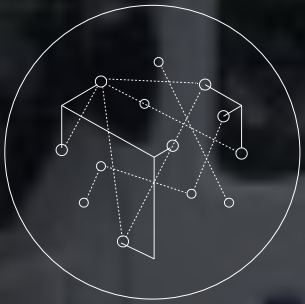
- Low resource environment
- Low human resource capacity
- Limited infrastructure
- Lack of transparency
- Long supply pipeline, short vaccine shelf life
- Uneven distribution of vaccines leading to stock-outs, overstocking and wastage





Mobile-cloud technology gives visibility into stock consumption  
 Enables optimal decisions to ensure stock distribution & availability

# Hydrogen economy pilot by UNDP China



Main areas

...develop Hydrogen Economy Development Roadmap in Rugao

...demonstrate the feasibility of hydrogen production;

...demonstrate hydrogen energy storage and refilling solutions

...Demonstrate the application of hydrogen energy in the field of transportation and domestic uses, and development of related technical standards



Hydrogen economy pilot  
by UNDP China

FUEL CELL BUS



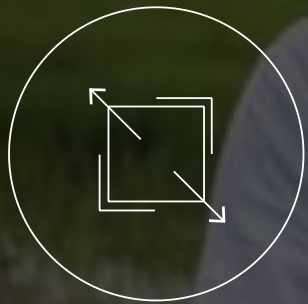


Hydrogen economy pilot  
by UNDP China





# UNDP India and Sri Lanka exploring Blockchain for land registry



Progress

...UNDP India has finished the stage of “proof of concept” that evidenced the feasibility, potential, and value of using blockchain for land registry.

...UNDP Sri Lanka has started the conversation with government about the innovative initiative.

# IKEA works with UNDP India to empower women



India Development

+ UNDP + Xyntéo

\*supported by IKEA Foundation



Project  
Disha

(2015-onwards)

Trainings, employment and entrepreneurial skills development

Test innovative models of public-private partnership for scalability



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# The Disha Skills Network



#DishaSkills

ldfresearch.com | ikeafoundation.org | in.undp.org/disha

# UNDP and Fujitsu collaboration on Disaster risk reduction

United Nations  
Development  
Programme (UNDP)  
Bangkok Regional Hub

International Research  
Institute of Disaster  
Science  
Tohoku University

Fujitsu

*Supporting the  
utilization of the  
global database*

*Supporting the design  
and construction of  
the global database*



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# UNDP and Citi Foundation launch regional program to accelerate youth entrepreneurship for social change



## Regional Youth Initiative

Instigate, catalyze and sustain youth innovation by supporting youth-led startups and social enterprises (3-5 years project)

\*Citi foundation and UNDP co-led initiative



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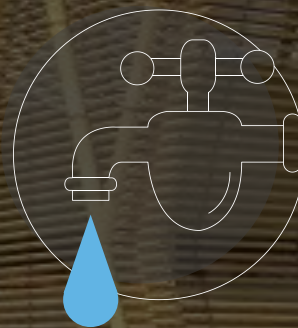
# PPSEZ, UNDP Cambodia and UNSIF collaborate on sustainable development zone in Cambodia



Waste  
management



Energy  
management  
systems



Water  
management



Vocational  
training



Design  
challenge for  
a housing  
project



# UNDP Youth Co:Lab empowers social enterprises for sustainability

I payed my daughters college fees with the income I had from Foodmario. It was the first income in my life!

=- Seema Muraka



**Foodmario**






# ASEAN Smart Cities Network



Technical advisor  
←-----  
-----→  
Access to member cities




 Singapore


 Brunei


 Jakarta  
Banyuwangi  
Makassar


 Yangon  
Nay Pyi Taw  
Mandalay


 Bangkok  
Chonburi  
Phuket

 Phnom Penh  
Siem Reap  
Battambang

 Kuala Lumpur  
Johor Bahru  
Kuching  
Kota Kinabalu

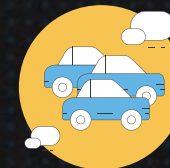
 Ha Noi  
Ho Chi Minh City  
Da Nang

 Vientiane  
Luang Prabang

 Manila  
Cebu City  
Davao City



Disaster  
Risk  
Reduction



Traffic  
Congestion



Energy  
Supply



Waste  
Management

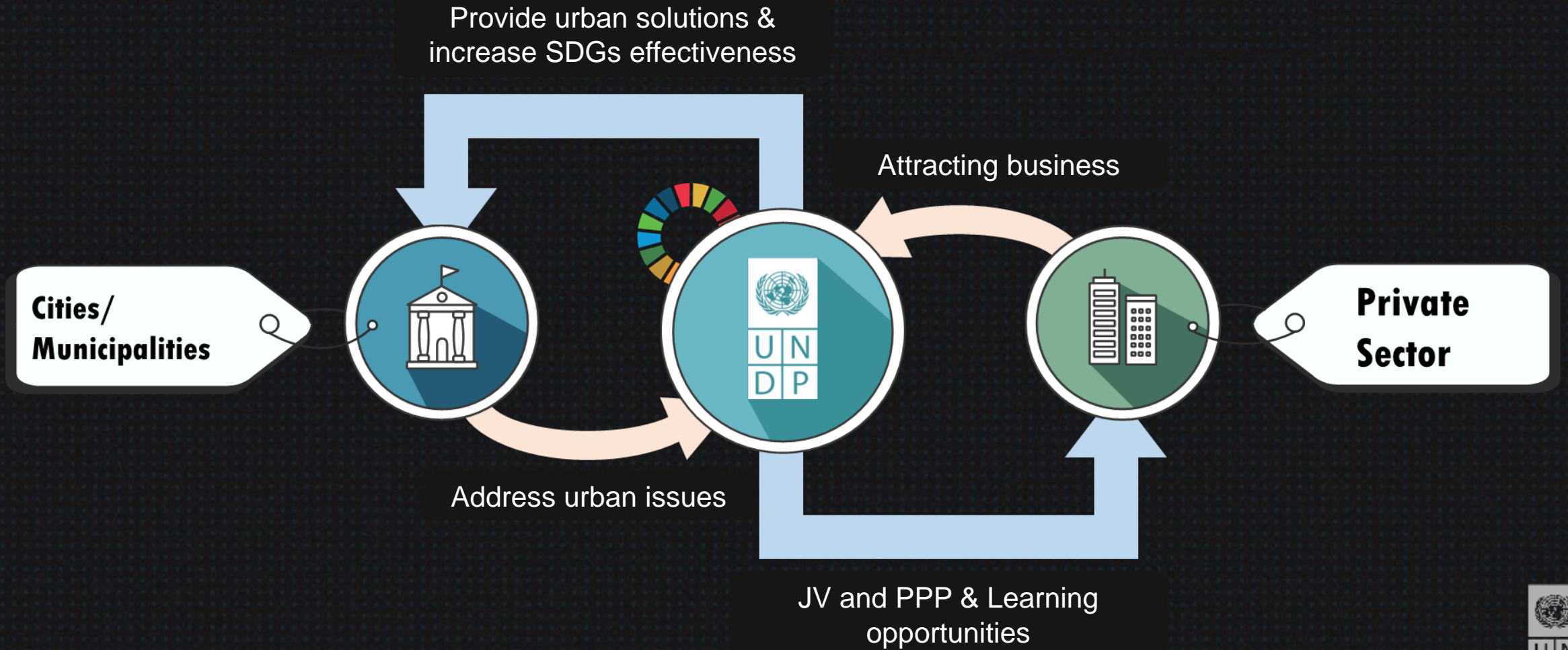


Water  
Management





# Matching Platform for Cities and Private Sector







**Scoping mission**  
(City/UNDP)

**Design Thinking Workshop**  
(City/Design thinkers/PS/UNDP)

**Challenge Competition**  
(City/UNDP)

**Implementation /Monitoring & SDG Impact measurement**  
(City/UNDP/PS)

**SDG Impact Measurement / M&E**  
(UNDP)

Ex)



**Tsunami & Earthquake**

**“ Make Banda-Aceh more resilient and sustainable using smart solutions ”**

Tsunami in 2004 (Dec. 26)

- 129,775 deaths, 38,786 missing and 504,518 tsunami-displaced in Aceh Province\*
- Huge economic losses and damage to infrastructure, agriculture etc. (total damages and losses amount to 97% of Aceh's GDP\*)

\*WHO (2007), *Tsunami Mortality in Aceh Province, Indonesia*

\*World Bank (2005), *Indonesia: Preliminary Damage and Loss Assessment*



Tsunami Museum



UNDP has conducted the interviews with over 10 citizens in Aceh, Indonesia in June 2018.



# Future Work



Research  
And  
Development  
(R&D)



Public  
Sector  
Innovation

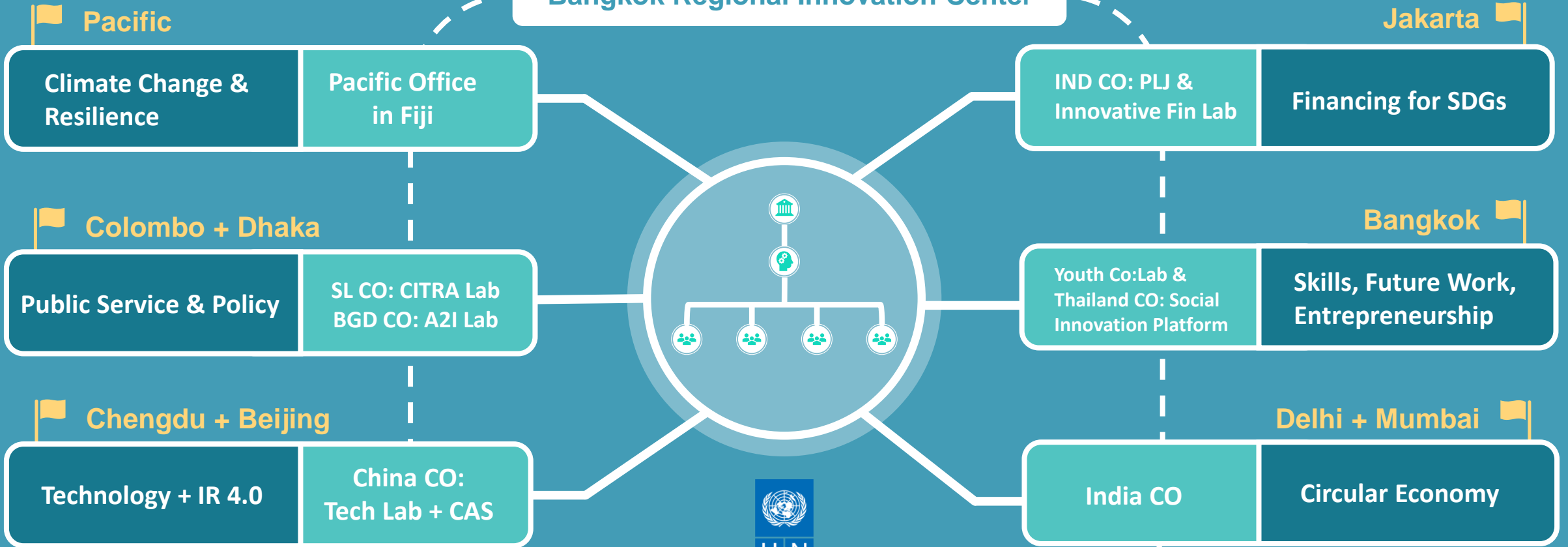


Innovative  
Finance



Social  
Entrepreneur  
-ship

# Bangkok Regional Innovation Center

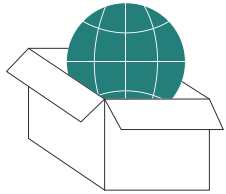




## Regional Innovation Center - Approaches



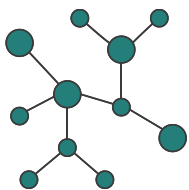
- **Scoping insight:** Horizon scanning; spot future trend; scenario development; system analysis and co-creation



- **Testing:** Develop possible solutions; acceleration programme; prototype, test, and implement public policy tools



- **Implementation & Scale Up:** align with national policy; fiscal space; national ownership



- **Capacity Building, M&E, and Knowledge Sharing**

