Partnering to shape the future,
scaling innovative development solutions for people in Asia and the Pacific
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

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

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

1st rule of technology: automation applied to an efficient operation will magnify the efficiency.

2nd rule: automation applied to an inefficient operation will magnify the inefficiency.
TCV Studies Show Significant TCV Reduction by Mostly Underserved Communities

- Health
- Utilities
- Education
- Agriculture
- Livestock
- Licenses
- Land
- Safety Nets
- Tickets

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 visits
UNDP India designs Electronic Vaccine Intelligence Network (eVin)

...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
India has a Six-level Vaccine Supply Chain

- 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

27,000 Health Centers
70,000 Cold Chain Equipment

National Store / Manufacturer
State Store
Divisional Store
District Store
Taluk/Block
PHC/CHC
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
UNDP India and Sri Lanka exploring Blockchain for land registry

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

Trainings, employment and entrepreneurial skills development
Test innovative models of public-private partnership for scalability

Project Disha (2015-onwards)

India Development + UNDP + Xyntéo
‘supported by IKEA Foundation
UNDP and Fujitsu collaboration on Disaster risk reduction

United Nations Development Programme (UNDP)
Bangkok Regional Hub

International Research Institute of Disaster Science
Tohoku University

Supporting the utilization of the global database

Fujitsu

Supporting the design and construction of the global database
UNDP and Citi Foundation launch regional program to accelerate youth entrepreneurship for social change.
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
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

- Provide urban solutions & increase SDGs effectiveness
- Attracting business
- Address urban issues
- JV and PPP & Learning opportunities

Cities/Municipalities

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

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

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

Research And Development (R&D)

Public Sector Innovation

Innovative Finance

Social Entrepreneurship
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**
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UNDP India and Sri Lanka exploring Blockchain for land registry.

UNHCR-AUNSH, UNHCR Cambodia and Global sustainable development zone in Cambodia.

UNDP Youth Lab empowers skilful enterprises for sustainability.

UNDP India designs Electronic Vaccine Intelligence Network (eVIN) to address challenges such as vaccine cold chain, vaccine quality, and enterprise level visibility. The system provides a real-time, accessible, transparent, and secure platform for vaccine data management and recording.

UNDP and partners work towards creating a future where technology and innovation are harnessed for societal good.

UNDP Future Work

Regional Innovation Center - Approaches

- Scoping Insight: Identifying and framing a research agenda and understanding the context
- Testing: Designing, developing, and testing solutions in a controlled setting
- Implementation & Scale-Up: Applying solutions in real-world settings
- Capacity Building: Training and knowledge sharing

Empowered lives. Resilient nations.