



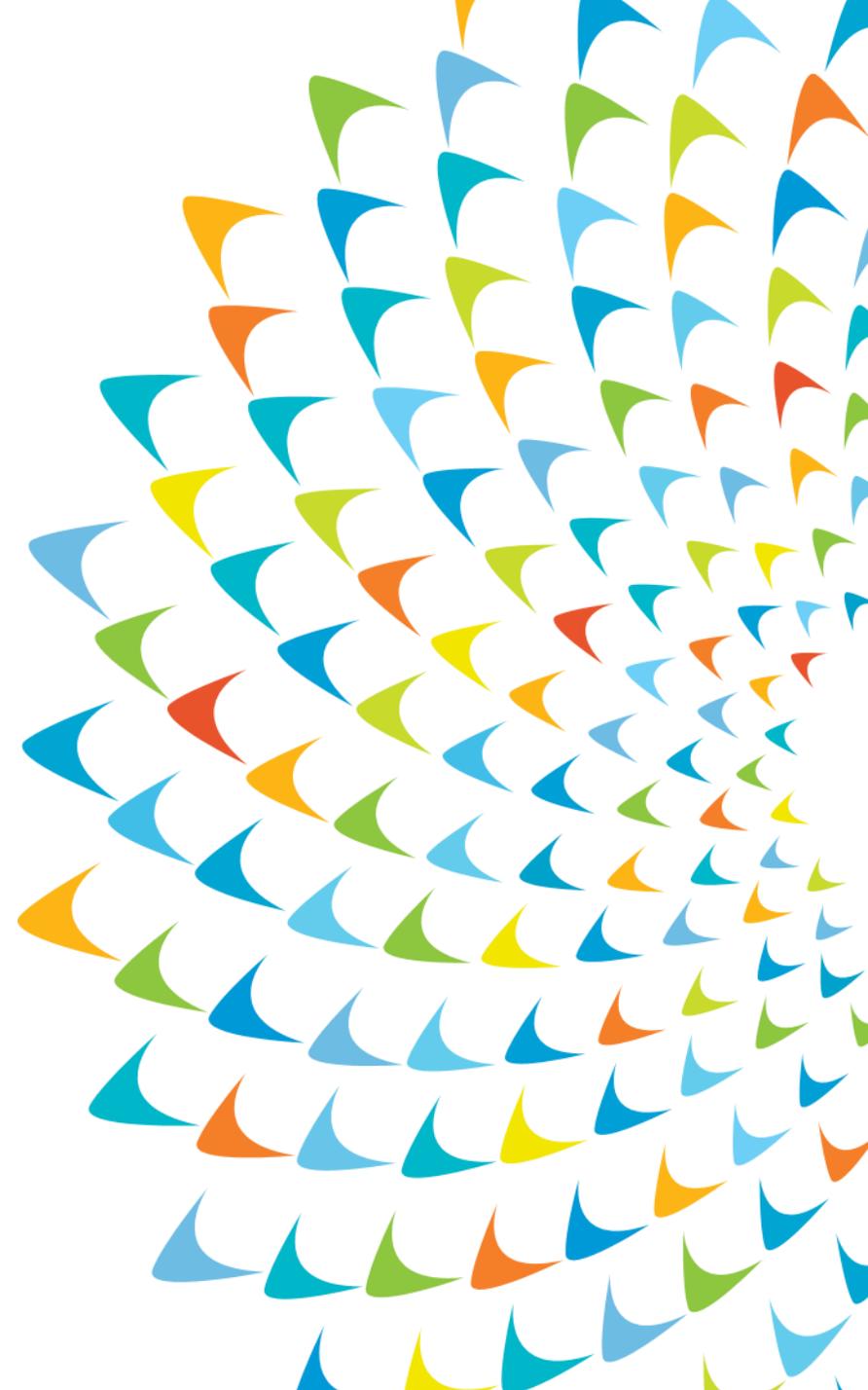
Fostering Innovation at ADB

**Livable Cities Development Priorities
Virtual Business Opportunity Forum**

29 July 2020

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Advisor, SDCC and Chief of Knowledge Advisory Services Center
Sustainable Development and Climate Change Department



Knowledge Advisory Services Center (KASC)



We help strengthen ADB's work on knowledge...



Knowledge strategy,
governance, finance,
action plan, corporate
reporting



Country knowledge
programming



Innovation and
knowledge



Knowledge
partnerships



Knowledge and learning
events, tacit knowledge,
skills development,
e-learning, etc.

Promoting Innovation with Knowledge

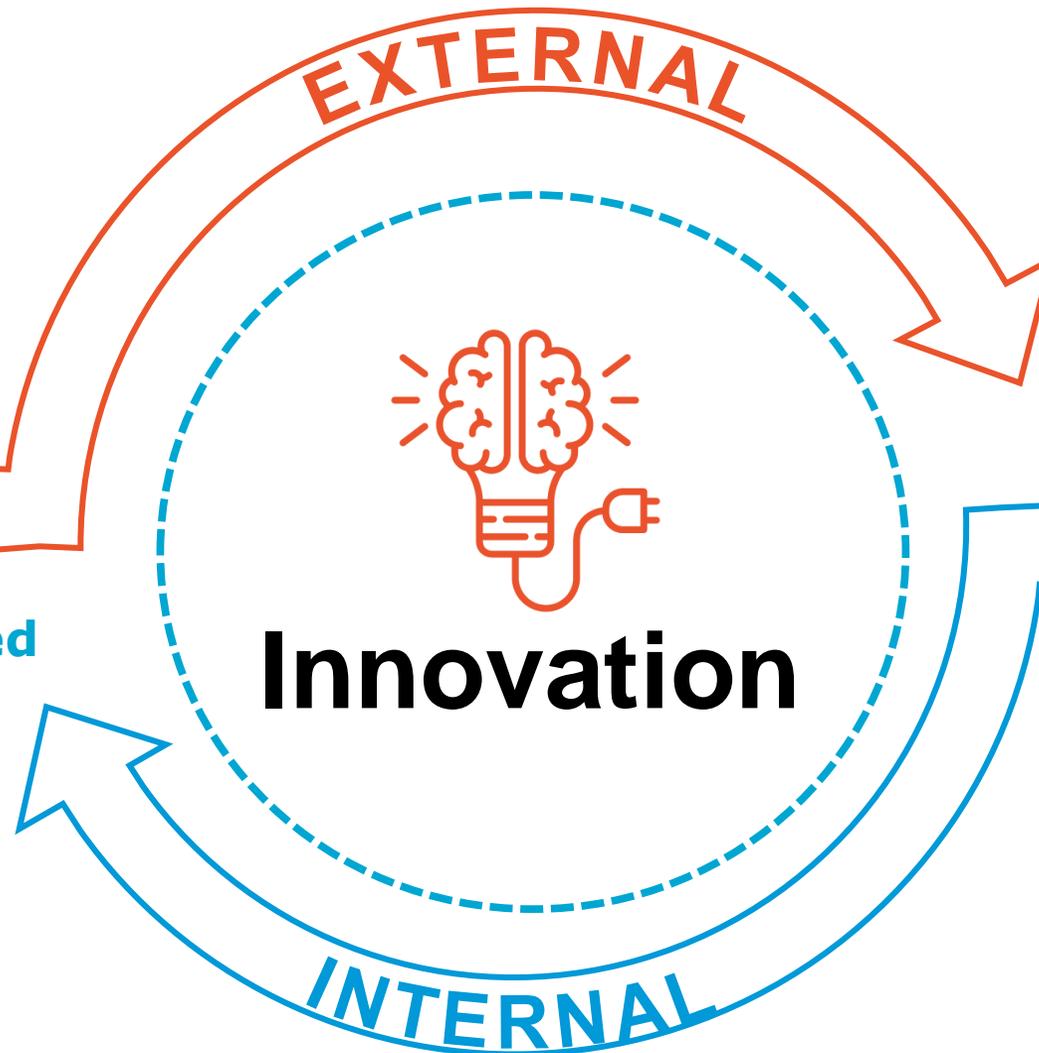


Traditional growth models won't allow the region to address new challenges (such as on climate change) **at the same time**

Need to address remaining poverty and create jobs and access to opportunities.

Agile, innovative, **client-oriented** organization

- Culture change
- Enabling environment
- Innovation process in place
- Staff have innovation capabilities
- Innovation tools are deployed
- Knowledge flows



DMCs

- Enhance innovation capabilities
- Invest in innovation ecosystems
- Strengthen technology

ADB

- Increase effectiveness, efficiency, sustainability and remain relevant
- "Add more value"
- Leverage ADB's knowledge

Developing the ADB Innovation Framework



2019 onwards

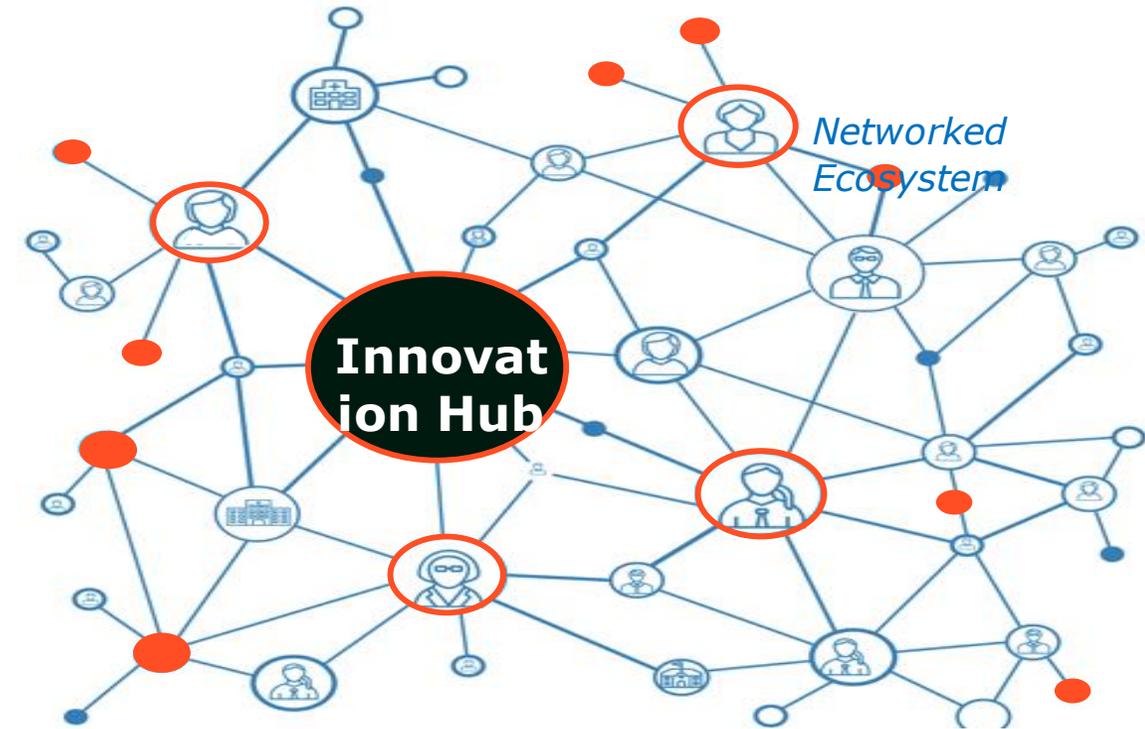
**Bank-wide approach
INNOVATION
FRAMEWORK**

2018

Strategy 2030
*Structure * Leadership *
People

2015

Strategy 2020 MTR
Innovation Working Group

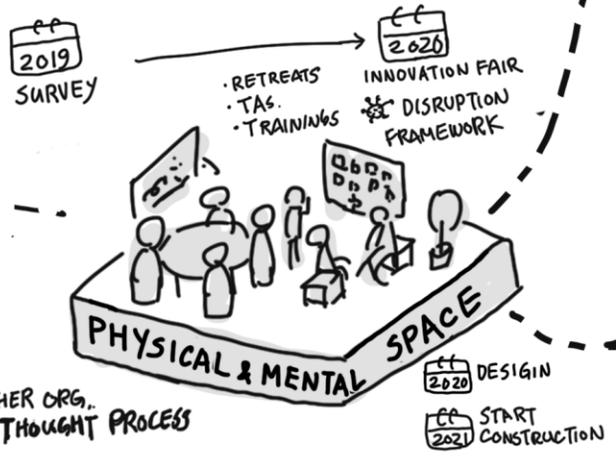


- Facilitate problem solving and solution generation
- Build ecosystem
- Supply capabilities and share knowledge

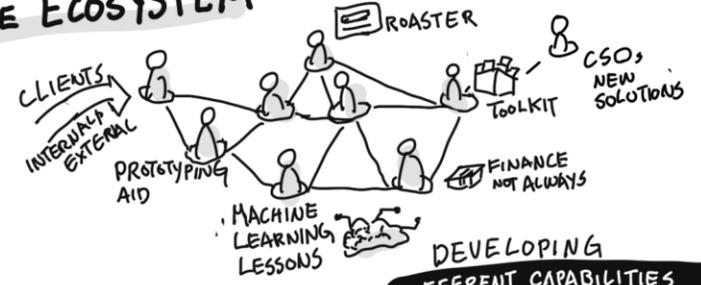
1 FACILITATE STRATEGIC INNOVATION & SOLUTION GENERATION



INNOVATION HUB



2 BUILD THE ECOSYSTEM



3 DEVELOP CAPABILITIES & SHARE KNOWLEDGE



CLIENT SOLUTION TEAM AT CWRD IS CREATED TO MEET DMG NEEDS. CWRD NEED CHAMPIONS INCLUDING COUNTRY DIRECTORS

INNOVATION IS NOT OPTION but NECESSITY for PRC. IN MONGOLIA, 125MW BATTERY FACILITY WILL BE INSTALLED!

NECESSITY is A MOTHER of INNOVATION. COVID-19 CREATED NECESSITY TO PRODUCE FREQUENT DATA AND INNOVATE.

INNOVATION IS SOUL of EXISTANCE. PRINCIPLES: FIT for PURPOSE, TOOL OVER RULES.

INNOVATION for SMALL ISLAND is CHALLENGE-BASED. MIXED ENERGY, RECYCLE MATERIAL for ROAD & BLOCK CHAIN for LAND REGISTRY.

ALLOW TEAMS TO GO OUT & COME UP WITH IDEAS TO MANAGEMENT!

SERD IS NOW FOSTERING INTERDISCIPLINARY INNOVATION. BREAKING SILOS IS KEY INSIDE AND OUTSIDE ADB

TREASURY'S CLIENT SOLUTION UNIT TO MEET NEEDS. INNOVATION NEED NETWORK, FUNNEL, & FACILITATION

IN THE MIDST of COVID-19, ADB IS at CRITICAL TIME. WE CIRCULATE INNOVATION FRAMEWORK SOON.

WERNER LIEPACH
DG, CWRD,

JAMES LYNCH
DG, EARD

YASU SAWADA
CHIEF ECONOMIST & DG ERCD

RISA TENG
DG, PPF

LEAH GUTIERREZ
DG, PARD

MIKE BARROW
DG, PSOD

RAMESH SUBRAMANIAM
DG, SERD

PIERRE VAN PETEGHEM
DG, TREASURY

TOMO KIMURA
DG, SPD

ADB INNOVATION HUB ROUNDTABLE 24 JUNE 2020

WHAT WILL THE HUB OFFER?



Facilitate problem solving with innovation

1. Facilitate solution generation

Provide support for strategic innovation for departments

2. Build the ecosystem

Support innovation processes for country partnership strategies and project development and implementation, mobilize partnerships within and outside ADB

3. Supply capabilities and share knowledge

Enhance knowledge sharing and management related to innovation and support staff's innovation skills development.

Generated proof- points



1. Facilitate solution generation

- Innovation Retreats held for divisions
- Innovation workshops held as part of Country Partnership Programming and project processing in 6 DMCs

2. Build the ecosystem

- Project specific work
- Tested tools
- Tech for Impact
- Innovation Challenge
- Issue briefs
- Networking

3. Supply capabilities and share knowledge

- 2020 Innovation Fair
- Innovation project repository
- Faces of Innovation Report
- TED Talk training
- Foresight training
- Human Centered Design Thinking Training
- Innovation Challenge as part of THRIVE Leadership Training
- Brilliant Failures Discussions

How will the Innovation Hub work?



Deliverables



- A tested ADB **delivery model** for addressing complex challenges
- **3 demonstration cases** applying innovation approaches to tackling complex challenges
- **200 staff trained** in innovation management
- **Each department** has an innovation roadmap
- **Virtual network** created

Medium Term Benefits



- **External demand.** DMCs increasingly recognize and seek out ADB for its ability to facilitate innovation processes
- **Adaptation.** Fast learning about what works and what doesn't along with adaptation that enables projects to increase their impact.
- **Partnerships.** A broader partnership network, including "unusual suspects".

Long Term Benefits



- **Impact.** Increased project impact, particularly around complex, 21st century challenges.
- **Product mix.** New ADB offerings/products with strong interest and up-take from DMCs, improved sustainability

Innovation Methods and Tools



Challenge Grants

<https://challenges.adb.org/en/challenges>

Enable early engagement with private sector technology providers



Example: Energy challenge launched at Asia Pacific Clean energy forum

Futures Strategic Thinking and Foresight

Assist DMCs in understanding emerging trends in technology, society and policy and



Example: Integrated Urban master planning in Armenia

Impact Investment with Venture Fund

<https://adbventures.org/>

Help early-stage companies scale technology into the Asia and the Pacific for sustainable development



Under development in collaboration with private sector department

Communicating ADB Innovations



Publications



Asian Development Blog
Straight Talk from Development Experts

DEVELOPMENT ASIA
An initiative of Asian Development Bank

TECH FOR IMPACT
with ADB

Platforms

Innovation and COVID-19



Innovative solutions for DMCs

- Pooled procurement for COVID-19 supplies financed via ADB grant
- Partnerships with private sector for testing
- ADB Challenge “New Normal” <https://challenges.adb.org/en/challenges/covid-19>
- Support for (examples):
 - innovative digital health solutions (Technical Assistance in Central and West Asia Department)
 - regional TA and policy-based lending (Mongolia) for innovation in regulations of medical products
 - Innovative prefabricated building for hospital upgrading in Afghanistan
 - Exploring innovative financing for future vaccines procurement and deployment
 - Draft policy brief on innovation in public health for COVID-19 (co-authored w/ WHO MoH Malaysia)

ADB internal

- Virtual workplace
- Virtual missions and workshops
- New modalities: Comprehensive Response for COVID-19
- Enhanced cross-departmental teams

Sample innovative projects on livable cities

- **Tonga: Integrated Urban Resilience Sector Project**
Access to improved, efficient, and climate resilient urban services and infrastructure.
- **Georgia: Livable Cities Investment Program**
Inclusive Cities Guidelines for adapting the built environment for the differently-abled, elderly, women and children.
- **India: Tamil Nadu Urban Flagship Investment Program**
Innovative pilots, including India's first solar-powered sewage treatment plant to offset greenhouse gas emissions and enhance operational efficiency; strengthen urban governance; and build capacity of state and local institutions to enhance services delivery, environmental sustainability, and climate resilience.



Tonga: Integrated Urban Resilience Sector Project



Georgia: Livable Cities Investment Program



India: Tamil Nadu Urban Flagship Investment Program



Using Spatial Cloud Computing to Build Livable Cities

SPADE (Spatial Data Analysis Explorer) is an interactive geospatial web-based cloud platform which can be used by ADB staff and consultants for project identification, preparation, due diligence, engineering design, and monitoring. It currently includes data sets of 21 ADB project cities.

**Thank
You!**

**ABOVE ALL,
INNOVATION IS WORK
RATHER THAN GENIUS.
IT REQUIRES
KNOWLEDGE, IT OFTEN
REQUIRES INGENUITY,
AND IT REQUIRES
FOCUS**

PETER DRUCKER