THE UN CLIMATE CHANGE GLOBAL INNOVATION HUB (UGIH) PROJECT

Brochure

United Nations
Framework Convention on
Climate Change

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An expanded climate innovation agenda that focus on human needs can turn challenges into opportunities.

The initiative aims at promoting the development and deployment and rapid uptake of transformative 1.5 ˚C compatible solutions, including technology, policy, financial instruments, cooperation, and business models.
The project will enable the development and deployment of solutions to:

- Build new value-chains, products and markets aligned with the climate goals, displacing the existing carbon intensive ones;
- Enhance the efficiency of consumption;
- Reduce waste within the entire value-chain.

Key participating actors of the project include governments, cities, digital businesses, corporates, enablers, incubators, accelerators, experts and scientist servicing in multiple roles. All actors committed to supplying demands and solutions aligned with the climate goals and the Sustainable Development Goals (SDGs).

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Global warming is one of the biggest challenges ever faced by human social, political, and economic systems

Innovation has been used by humanity to cope with changes and discover new opportunities. Nowadays, its primary application is to help foster competitive advantage and sustain growth, but it is also more and more used to comply with actual and future economic and social regulations. Applied to address climate change, it is expected to deliver transformative climate solutions.

The UGIH initiative will facilitate expansion of the innovation space and bridge between demand and supply of SDG climate solutions clusters made of technology, policy, finance, business models, leadership and capacity building solutions and measure the impact of the solution clusters" measure the impact of the solution clusters.

Why a UN Climate Change Global Innovation Hub?

- Need-based approaches can be more impactful to address the challenge;
- Transformative innovation leveraging **moonshot thinking** is critical to fill the gap;
- Technology innovation alone cannot address the climate change challenge;
- Cluster of solutions including technology but also policy, financial instrument, business model, leadership solutions are required. Clear demand for climate solutions expressed in form of need should be broadcasted to stimulate co-innovation to develop the relevant climate solutions;
- It gives to climate solutions developers, including from the global South catalyzing access to incentive instruments.

POTENTIAL BENEFITS

- **Promotion** of higher ambition;
- **Expansion** of the climate related innovation space;
- **Support** to the development and successful implementation of ambitious Low Emission development Strategies and recovery effort post COVID-19;
- **Lock-in of emission**-intensive investments;
- **Climate solutions are integral part of development** and change of the mitigation narrative. It is less about decarbonizing sector and more about low-carbon development;
- **Engagement** of wider group of climate actors (e.g. architects, construction companies).

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OBJECTIVES

- To **promote integrated innovations** that can enable the satisfaction of Core-Human needs through low emission economy, including by introducing new products/services, markets and supply chain;
- **To facilitate the development, transfer and deployment of solutions** that are aligned with the long-term Paris Agreement goals and SDG.

The UN Climate Change Global Innovation Hub will provide:

⇒ **A digital collaboration platform** (Platform of Platforms P2P) with databases on demand and supply of climate solutions and an AI powered matchmaking tool;

⇒ **Curation supported by AI tools and protocols**; Search engine indexing enabling the integration of solutions into cluster and linking the cluster of solutions to a demand; Workflows and meeting management support for expert working groups;

⇒ **Digital methodologies for the determination of the climate impact of a solution** (UNFCCC secretariat to transfer expertise on methodological development);

⇒ **A physical space** in the form of pavilion at COPs;

⇒ **Establish and support a group of experts** on definition of demand for climate solutions and leverage synergies with the important engagement work of the Marrakech Partnership for Global Climate Action.

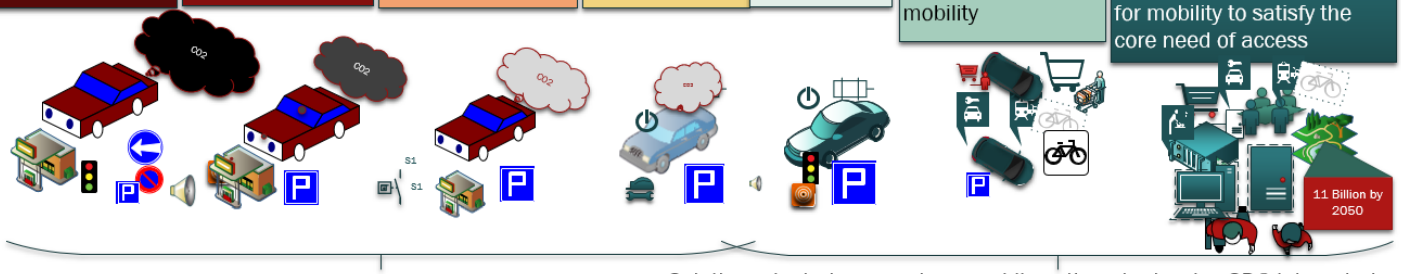
Need-based solution-oriented vs Sector-based problem-oriented approaches to climate action on the value-chain to satisfy the core human need of access

Sector-based approaches

Vs.

Need-based approaches

High emitting automotive industry producing inefficient combustion car	Low emitting automotive industry producing inefficient combustion car	Low emitting automotive industry producing efficient combustion car	Low emitting automotive industry producing EV car	MaaS to enhance the efficiency of car use	Compact, complete and connected cities to reduce the need for a car to satisfy the need for mobility	Telecommuting, tele education, telehealth, online shopping, online banking, teleconference and virtual entertainment, remote sensing reducing the need for mobility to satisfy the core need of access



Problem-oriented approaches: reducing its own emissions

Limited emission reduction potential / limited room to innovation

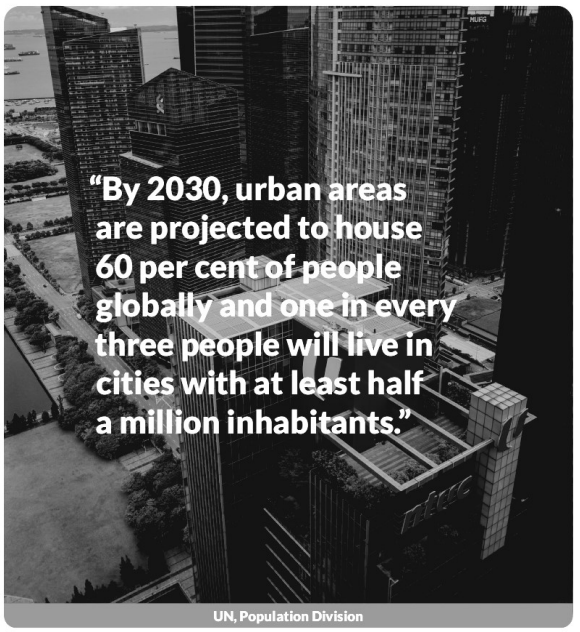
Solution-oriented approaches: enabling others to develop SDG-integrated pathways aligned with the long term goal of the Paris Agreement

A call to disruptive innovation (expanded innovation space)

Core Needs

Enablers	Nutrition & Health	Shelter	Access	Leisure	Clothing
Technology					
Financing					
Policy					
Leadership					
Business models					
Collaboration					
Behavior / cultural					

Expanded innovation space (Cluster of Climate solutions)



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