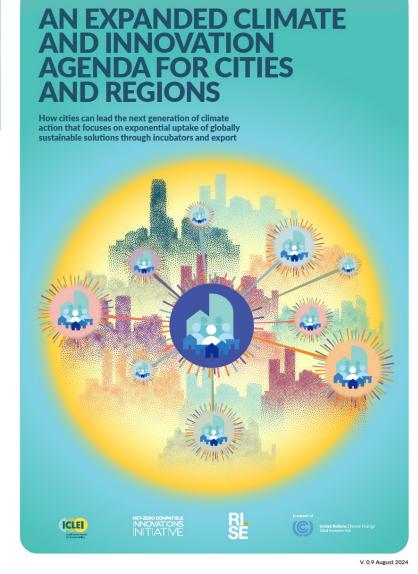


An expanded climate and innovation agenda

Delivering on human needs beyond optimisation of existing systems: a new generation of data

URBIS24, 17th of September 2024, Frascati, Italy Dennis Pamlin, Executive Director/Senior Advisor, NCI/RISE

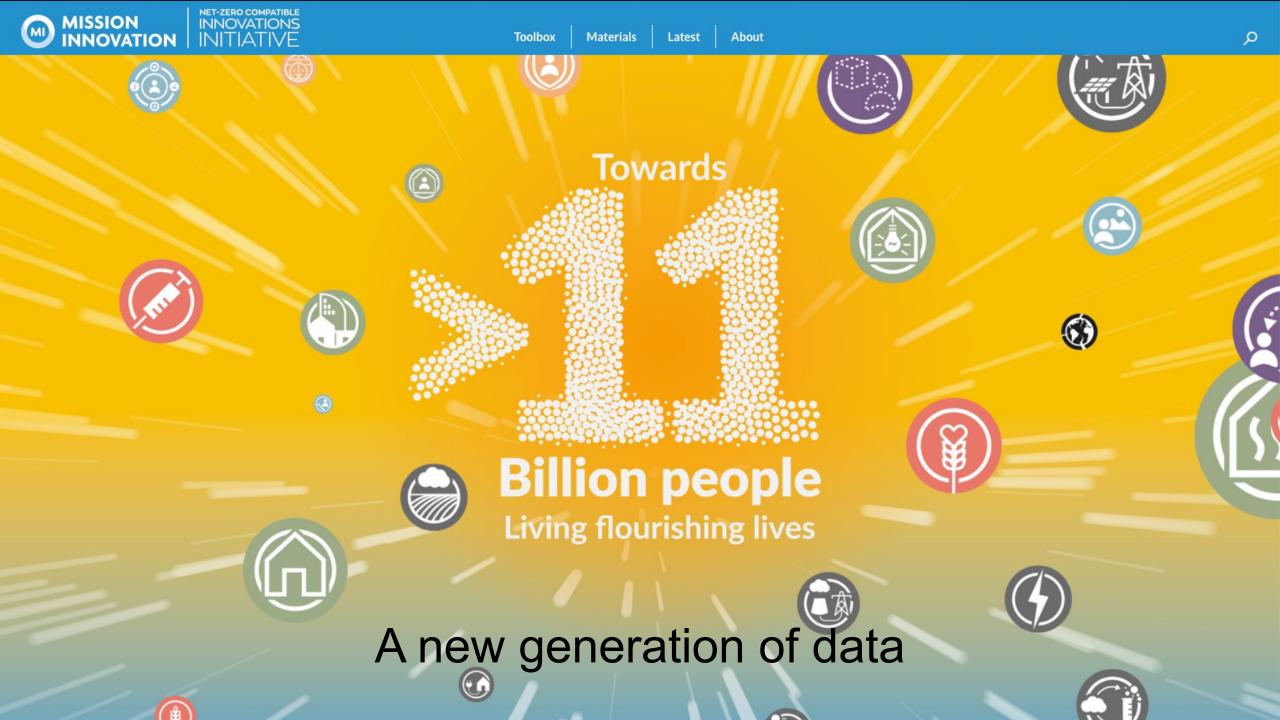




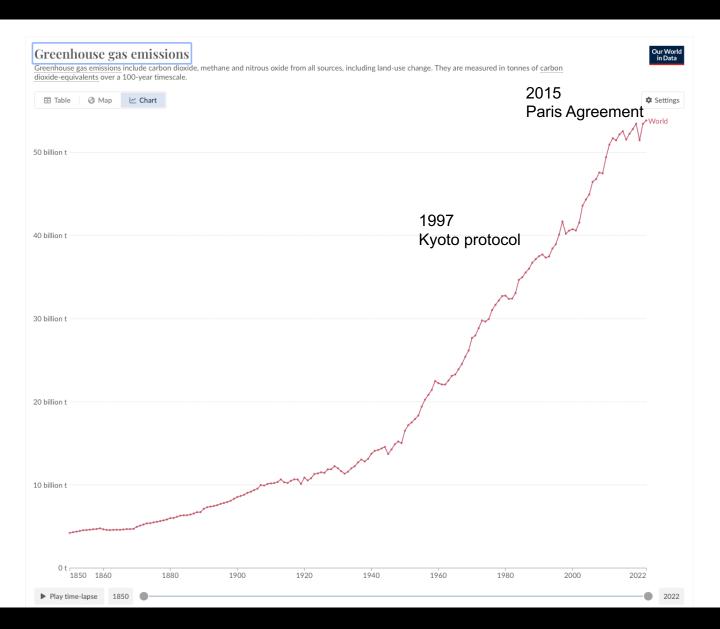




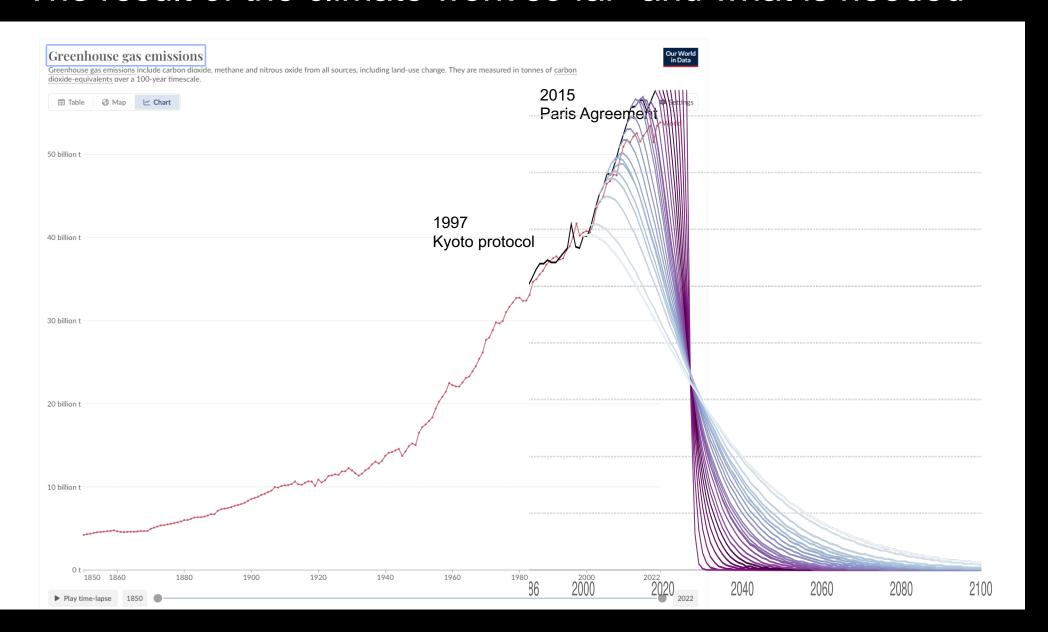


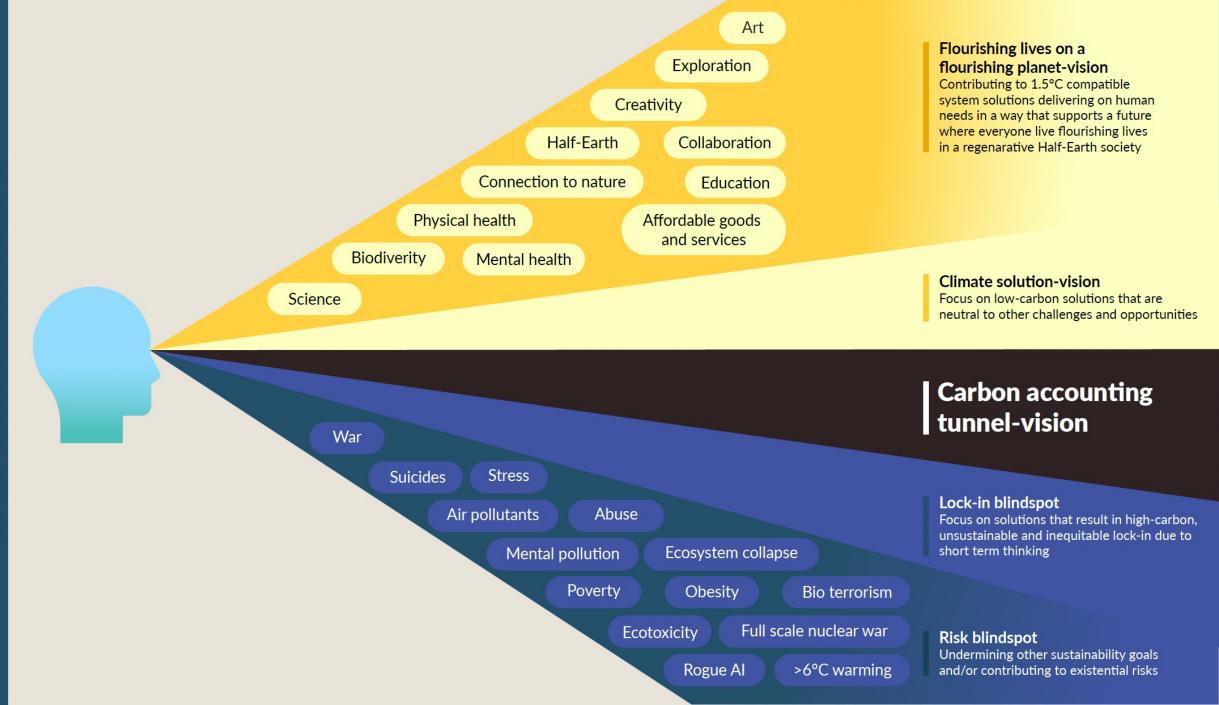


The result of the climate work so far



The result of the climate work so far- and what is needed





An expanded sustainability and innovation agenda





Solutions



Source of **Problems**

Current Focus: Only a small part of the innovation agenda



Dynamic Solution Approach







Static Problem Approach



Legend



stakeholders / Structures based on production



Innovation and sustainability strategies

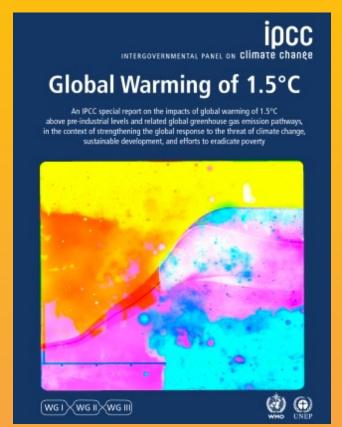
Existing Sectors



11 billion people's needs to live flourishing lives on a planet in balance



Clusters / Structures based on Human needs



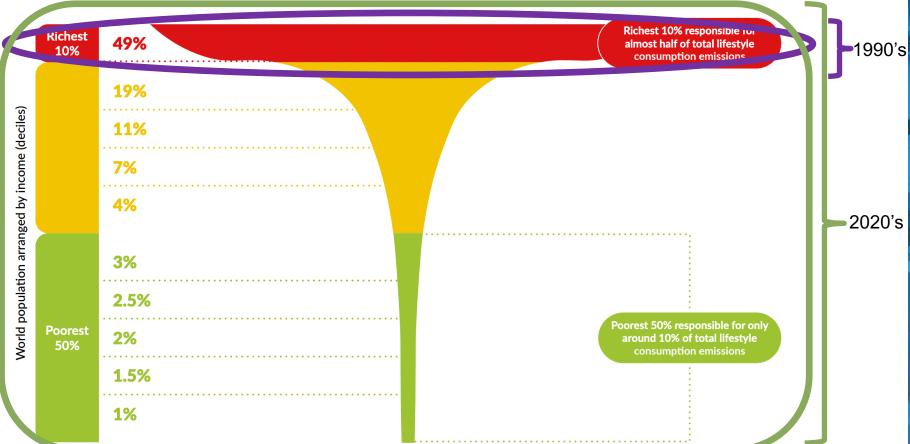








Percentage of CO₂ emissions by world population





7-18th November 2022

Virtual and Physical Event **UN Climate Change Global Innovation Hub**

Hosted by:

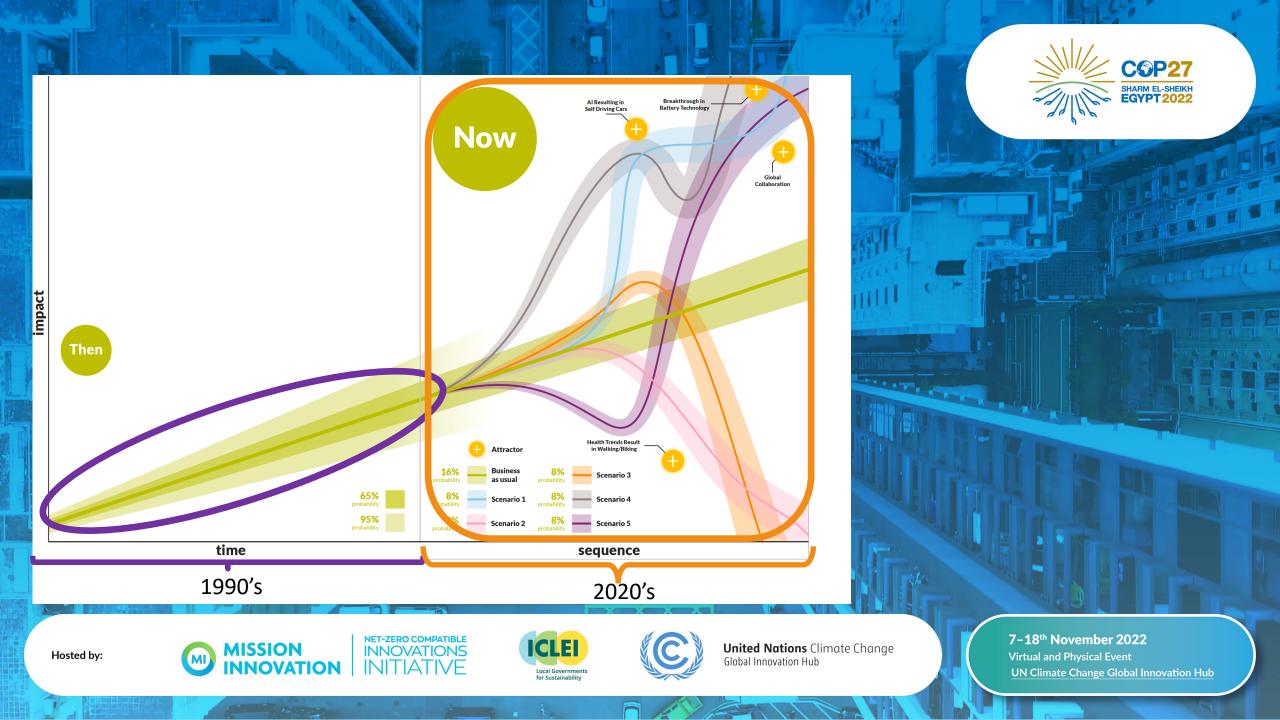








United Nations Climate Change Global Innovation Hub



What have delivered significant change (good and bad)





What SMEs today will shape the world tomorrow?

How and what we consume

What we eat

How we move

What we see/learn









*1994 029 years

*1994 029 years

*1995 @28 years

*1997 @26 years

How we get energy

What we know and buy



How and what we consume









*1997 @26 years

*1998 @25 years

*1998 @25 years

*1999 024 years

How we move

What we know and who we know

What we listen to

How we move







*2006 @17 years

*2009 014 years

What we eat

*2003 @20 years

zoom **BEYOND MEAT**

How we meet

IMPOSSIBLE

What we eat

What we know

*2009 @14 years

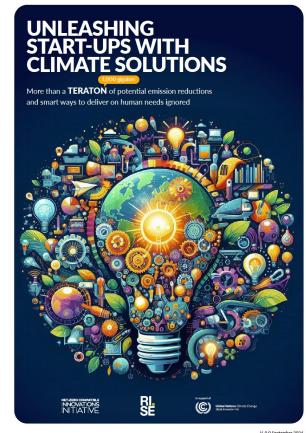
*2011 @12 years

*2004 @19 years

*2011 012 years

*2015 **0**8 years

RI. SE







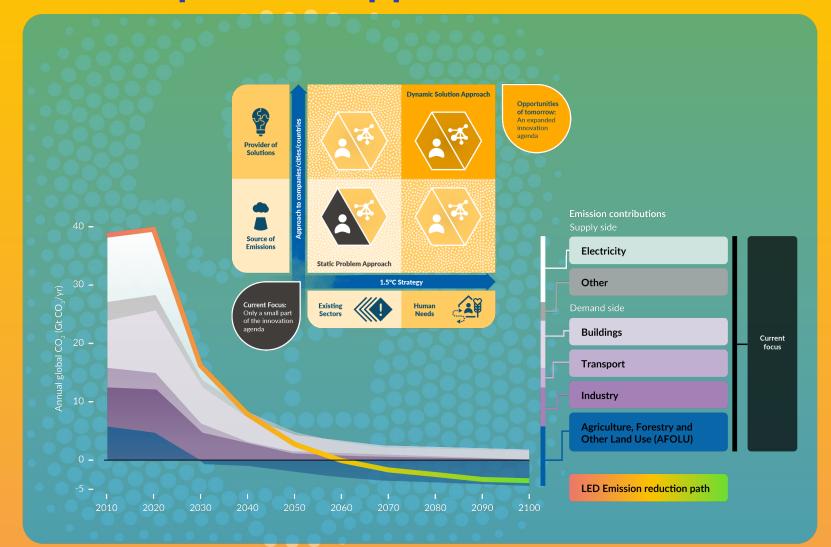




United Nations Climate Change



A static problem approach for data





- Unsustainable in many areas (biodiversity, water, poverty, etc)
- 2. Innovation limited to optimisation an decarbonisation of existing systems

Fossil free typewriters









A dynamic solution approach to data





- 1. Sustainable for all SDGs
- 2. Global 11 billion focus
- 3. Transformative system change
- 4. Feedback systems for exponential growth of solutions

Delivery of solutions for human needs in a future secure way that support flourishing lives of 11 billion









Traditional (static problem) climate strategies in cities



- Role Demand Creator
- DriverCompliance/Responsibility
- Goals
 Territorial and footprint
 targets for GHG gases
- Strategies
 GHG reduction targets
 from sectors
- Stakeholders
 Large emitters and compliance experts
- Data Emission data, old physical systems. nature









Expanded climate and innovation strategies in cities



DYNAMIC SOLUTION APPROACH

- Providing solutions for flourishing lives by meeting human needs
- Export (and import) of 1.5 °C compatible solutions in global collaboration



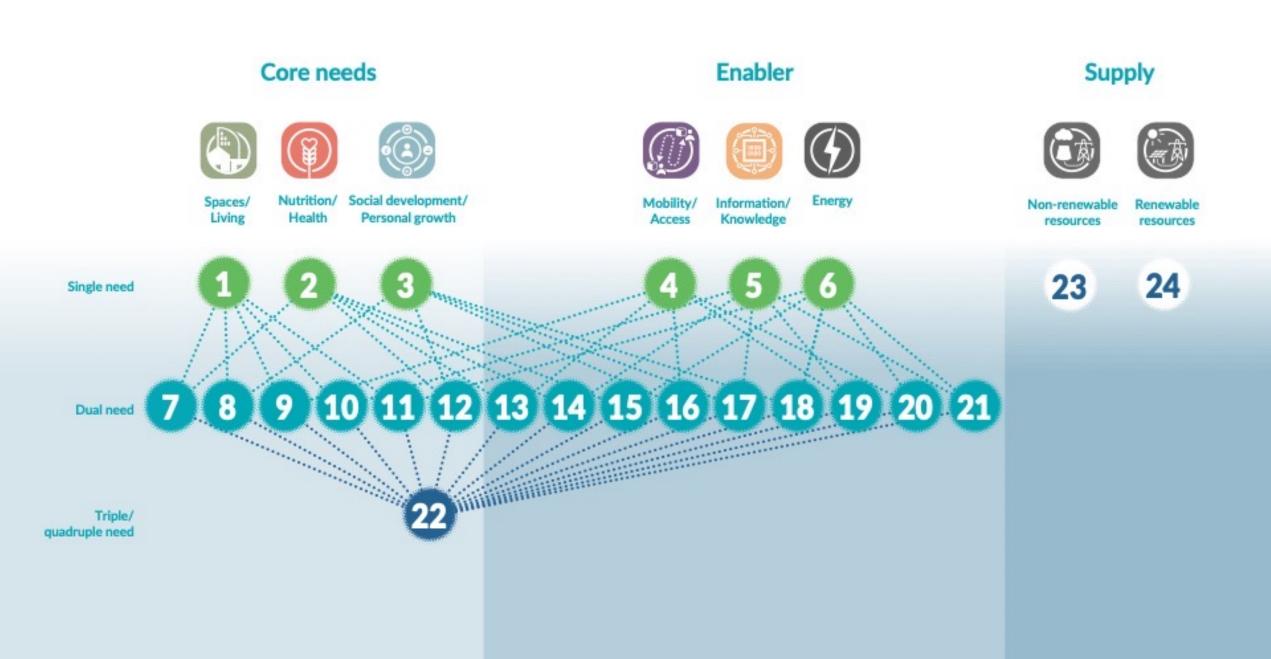
for Sustainability





- Role
 Solution provider
- Driver: Legacy/ Opportunities/Income
- Goals
 Human needs/
 Avoided emissions / Export
 of solutions/ Sustainable
 innovation support
- Strategiese.g. Solution development/ Incubators/ Export
- Stakeholders
 Start-ups/ Innovation
 experts
- Data Human needs linked to global sustainability











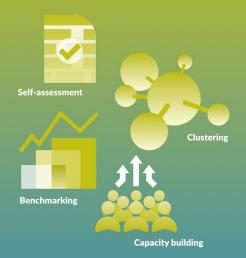


Identifying support for accelerated uptake of 1.5 °C compatible and globally sustainable solutions

Inspiring a new generation of climate and innovation leadership where the

- 1. The **human needs** required for flourishing lives for everybody
- 2. The solutions/solution providers who can deliver such solutions

In addition to the traditional work to reduce emissions from current large





21st Century City/Region Strategy Development

How to use this tool

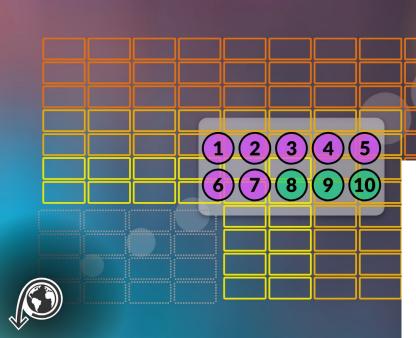
Results/possible ways forward

About

Assessment Guide

City/Region Strategy Development and Benchmarking

for Cities/Regions that Want to Expand their Climate and Innovation Agendas and focus on human needs and their role as solution providers for a future where 11 billion people can live flourishing lives.





An exciting data future ahead of us 1. Expand the climate and innovation agenda 2. Link data to human needs 3. Use a 11 billion flourishing lives filter RI. SE NET-ZERO COMPATIBLE INNOVATIONS **MISSION United Nations** Climate Change In collaboration with