

INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES TO COMBAT THE COVID-19 PANDEMIC

**Role of international collaboration to address the challenges of
COVID-19 and build an inclusive recovery**

December 1, 2020

World Economic Forum

A platform for multistakeholder cooperation



BUSINESS

CIVIL SOCIETY

GOVERNMENT

ACADEMIA AND SCIENCE

INTERNATIONAL ORGANIZATIONS

INNOVATORS

YOUTH

MEDIA

CULTURAL LEADERS

ARTS

As the International Organization for Private-Public Partnership, the Forum focuses on multistakeholder cooperation.

We bring together leaders from business, government, international organizations, academia, civil society, media, youth and the arts to achieve impact together and shape the global agenda.

Stakeholders can also use the Forum as a platform to scale up their own projects.

A History of International Collaboration on Science and Technology-based Health

For over 50 years, the World Economic Forum has gathered leaders from government, business and civil society to solve the world's greatest health security issues – promoting healthy lives and ensuring access to affordable, quality care for all.



COVID Action Platform

A few of our current projects and initiatives

Learn more on our [Platform website](#) or [submit a new multistakeholder project proposal](#)

1,200
organizations

42
projects

15
public briefings

| | | | | | | |
|--|---|--|--|---|---|--|
| 3D Printing COVID-19 Rapid Response Initiative | Acceleration of COVID-19 Diagnostics | Advancing COVID-19 E-Biomarkers to Improve Population Health | Advancing Global Digital Content Safety | Arts & Culture Global Solidarity Network | Building Employee Trust in Vaccination Programmes | COVID Action Platform Global Innovators and Start-Up Solutions |
| COVID Response Alliance for Social Entrepreneurs | COVID Social Sector Mobilization Platform | COVID Digital Response Network | COVID-19 Fallout Risks Initiative | COVID-19 Financial Services Response Network | COVID-19 Implications on Manufacturing and Supply Systems | COVID-19 Solidarity Response Fund |
| COVID-19 Therapeutics Accelerator | CURA (Connected Units for Respiratory Ailments) | Digital Transportation for a Healthier City | Disruptive Technologies in Mental Health | Epidemic Big Data Resource and Analytics Innovation Network (EPI-BRAIN) | Funding COVID-19 Vaccine Innovation | Global Shapers Response to COVID-19 |
| Healthcare Delivery for COVID-19 | Implementing COVID-19 Public Health and Social Measures in Africa | Managing Epidemics with Consumer Wearables | Mental Health in the Workplace | MFG.works: Community for Manufacturers, by Manufacturers | Mobilize Business Contributions of Critical Items for COVID-19 Response | Navigating the COVID-19 Crisis and Resetting Africa for a Resilient Future |
| New Mobility COVID-19 Taskforce | Pandemic Supply Chain Network (PSCN) | Redesigning Trust: Blockchain, & Supply Chains of the Future | Value in Media | West Africa Private Sector Coronavirus Platform (WAPSCON19) | WHO COVID-19 Digital Innovation Hub | #WeAllMove: A Universal Open Mobility Match-Making Platform |

A few of our current projects and initiatives

Learn more on our [Platform website](#) or [submit a new multistakeholder project proposal](#)

1,200 organizations

42 projects

15 public briefings

| | | | | | | |
|--|---|--|--|---|---|--|
| 3D Printing COVID-19 Rapid Response Initiative | Acceleration of COVID-19 Diagnostics | Advancing COVID-19 E-Biomarkers to Improve Population Health | Advancing Global Digital Content Safety | Arts & Culture Global Solidarity Network | Building Employee Trust in Vaccination Programmes | COVID Action Platform Global Innovators and Start-Up Solutions |
| COVID Response Alliance for Social Entrepreneurs | COVID Social Sector Mobilization Platform | COVID Digital Response Network | COVID-19 Fallout Risks Initiative | COVID-19 Financial Services Response Network | COVID-19 Implications on Manufacturing and Supply Systems | COVID-19 Solidarity Response Fund |
| COVID-19 Therapeutics Accelerator | CURA (Connected Units for Respiratory Ailments) | Digital Transportation for a Healthier City | Disruptive Technologies in Mental Health | Epidemic Big Data Resource and Analytics Innovation Network (EPI-BRAIN) | Funding COVID-19 Vaccine Innovation | Global Shapers Response to COVID-19 |
| Healthcare Delivery for COVID-19 | Implementing COVID-19 Public Health and Social Measures in Africa | Managing Epidemics with Consumer Wearables | Mental Health in the Workplace | MFG.works: Community for Manufacturers, by Manufacturers | Mobilize Business Contributions of Critical Items for COVID-19 Response | Navigating the COVID-19 Crisis and Resetting Africa for a Resilient Future |
| New Mobility COVID-19 Taskforce | Partnership for Evidence Based Response | Redesigning Trust: Blockchain, & Supply Chains of the Future | Value in Media | West Africa Private Sector Coronavirus Platform (WAPSCON19) | WHO COVID-19 Digital Innovation Hub | #WeAllMove: A Universal Open Mobility Match-Making Platform |

COVID Digital Response Network

Tech Response to COVID-19



1,200

organizations

42

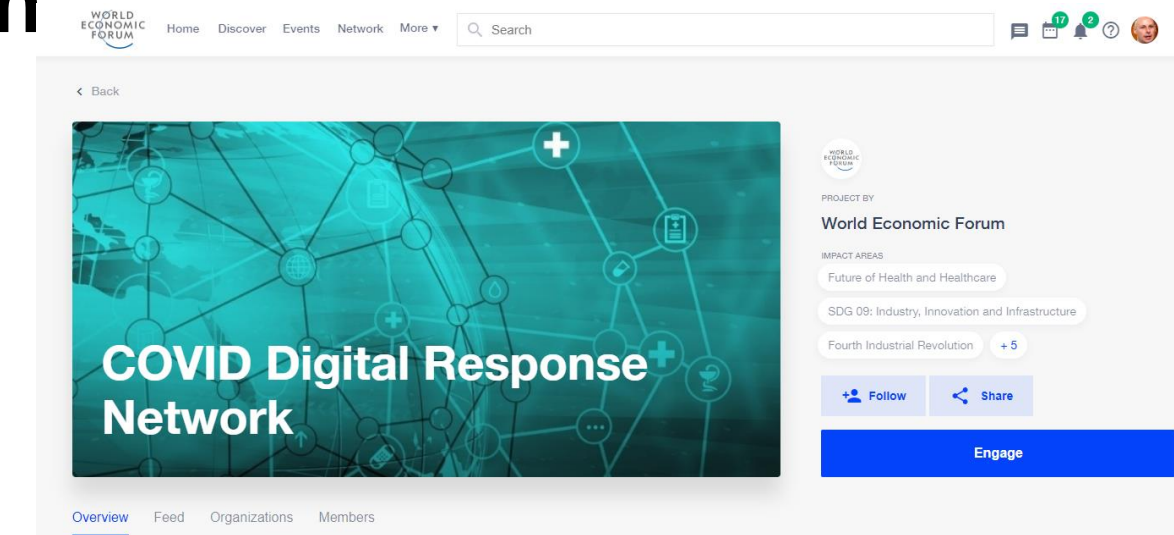
projects

15

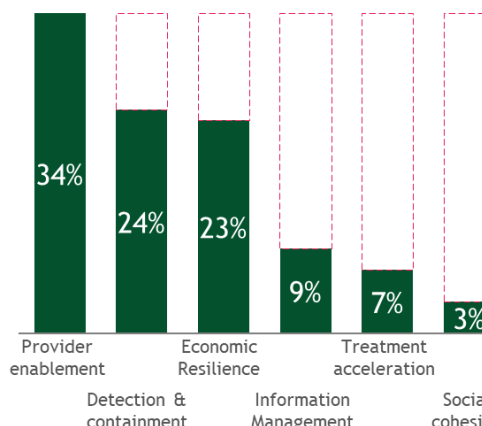
public briefings

There has been a tremendous **wave of innovation** in using **technology to tackle COVID19**, but **CEOs highlighted the need for coordination**

- Early 2020, established the [COVID Digital Response Network](#)
- Promising technology use cases collected and made available online:
 - ~ [Early Compendium](#), covered 80 use cases from 90 companies
 - ~ [Second Compendium](#), significantly expanded to cover 230+ use cases by 170+ organizations from 40+ countries, and identified potential gaps
- The compendium has been broadly disseminated into hands of leaders
 - Presented during meeting on the "Role of Technology in Ending the COVID Crisis and Getting to a New Normal", with guests such as Steven Mnuchin, Secretary of the Treasury of the United States, Ivan Duque, President of Colombia and Rob Shuter, President and CEO, MTN Group, South Africa
 - Presented at **WTO Data Dialogue**; now shared as tool with 80+ capitals worldwide working on digital, privacy and trade
 - Cases now being submitted to the [WHO COVID-19 Digital Solution Clearinghouse](#)
- [High Level virtual dialogue](#) ([full recording](#)) featured perspectives from industry and academia on aggregated mobility data in response to the pandemic



Response type focused on treatment



For more information contact Future_of_digital@weforum.org

Our COVID Action Platform

The largest private sector-led effort to fight the pandemic



1,200

organizations

42

projects

15

public briefings

- ▶ World's leading **3D printing manufacturers provided ventilators, masks, swabs, face shields** and more to hospitals across Europe, Australia, USA, Asia Pacific and China. Eg.
 - **For example, EOS GmbH** provided access to validated STL files; medical application expertise & research on machines, materials and processes for 3D printing in medical (polymer & metal); global partnerships w/ certified medical device Service Providers; training and consulting expertise – covering part selection, design optimization, certification support and distributed manufacturing
 - Manufacturing in: Europe, USA, APAC
- ▶ The **Partnership for Evidence-Based Response to COVID-19** produces bi-weekly updates, regional reports and over two dozen country reports which provide recommendations to governments and decision makers.
- ▶ **UpLink sourced over 200 innovative solutions to COVID-19 challenges** and hand-picked 15 innovators who are now receiving support to scale the impact of their venture.
- ▶ Mastercard, Wellcome, Bill & Melinda Gates Foundation launched a **COVID-19 Therapeutics Accelerator** to coordinate R&D efforts and remove barriers to drug development and scale-up.

BEYOND THE CRISIS



Digital Inclusion is Essential to Economic Recovery.... and Societal Inclusion

No Home, No Wi-Fi: Pandemic Adds to Strain on Poor College Students

Accelerating Financial Inclusion in South-East Asia
with Digital Finance

Getting Health Care Was Already Tough In Rural Areas. The Pandemic Has Made It Worse

Why the “homework gap” is key to America’s digital divide

“Only one-third of Nigeria’s school students were able to engage in any form of virtual education during lockdown”

Working From Home Face Internet Usage Limits

Harnessing COVID-19’s digital dividend to finance the Sustainable Development Goals

Broadband Internet Is an Imperative, Not a Luxury



3.6 billion

people remain offline

More than
50%

of developed countries
monthly broadband
subscriptions exceed
affordability targets¹

65%

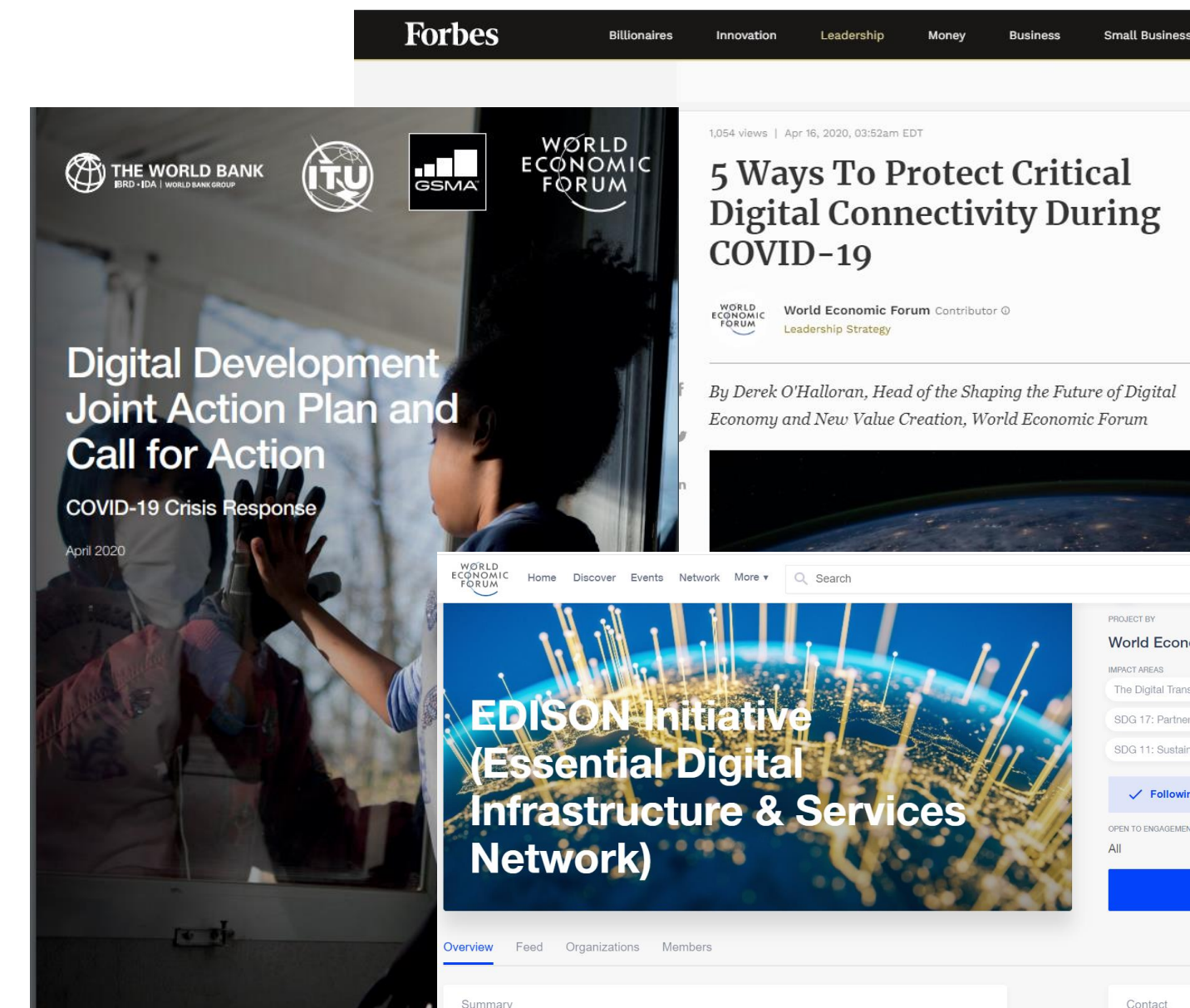
of the world's
population lacks
basic skills for
computer and
internet-based
activities

International Collaboration on Digital Inclusion has been Critical to Response in 2020



In 2020, we saw an **exponential growth in the demands** on digital networks & services and need to ensure no one is left behind **in the new normal**

- Based on our Action Group and leveraging our Platform networks, we rapidly developed a [Call for Action](#) with World Bank, ITU and GSMA to keep networks available and ensure reliable and affordable connectivity
- These were shared with finance ministers and regulators from 170 countries. Implementations are ongoing in countries around the world
- Created [EDISON Network](#) (Essential Digital Infrastructure & Services Network), to develop new solutions needed to accelerate the UN goal of 75% internet penetration by 2025.
- The Forum in collaboration with BCG published the [Playbook on “Accelerating Digital Inclusion in the New Normal”](#)

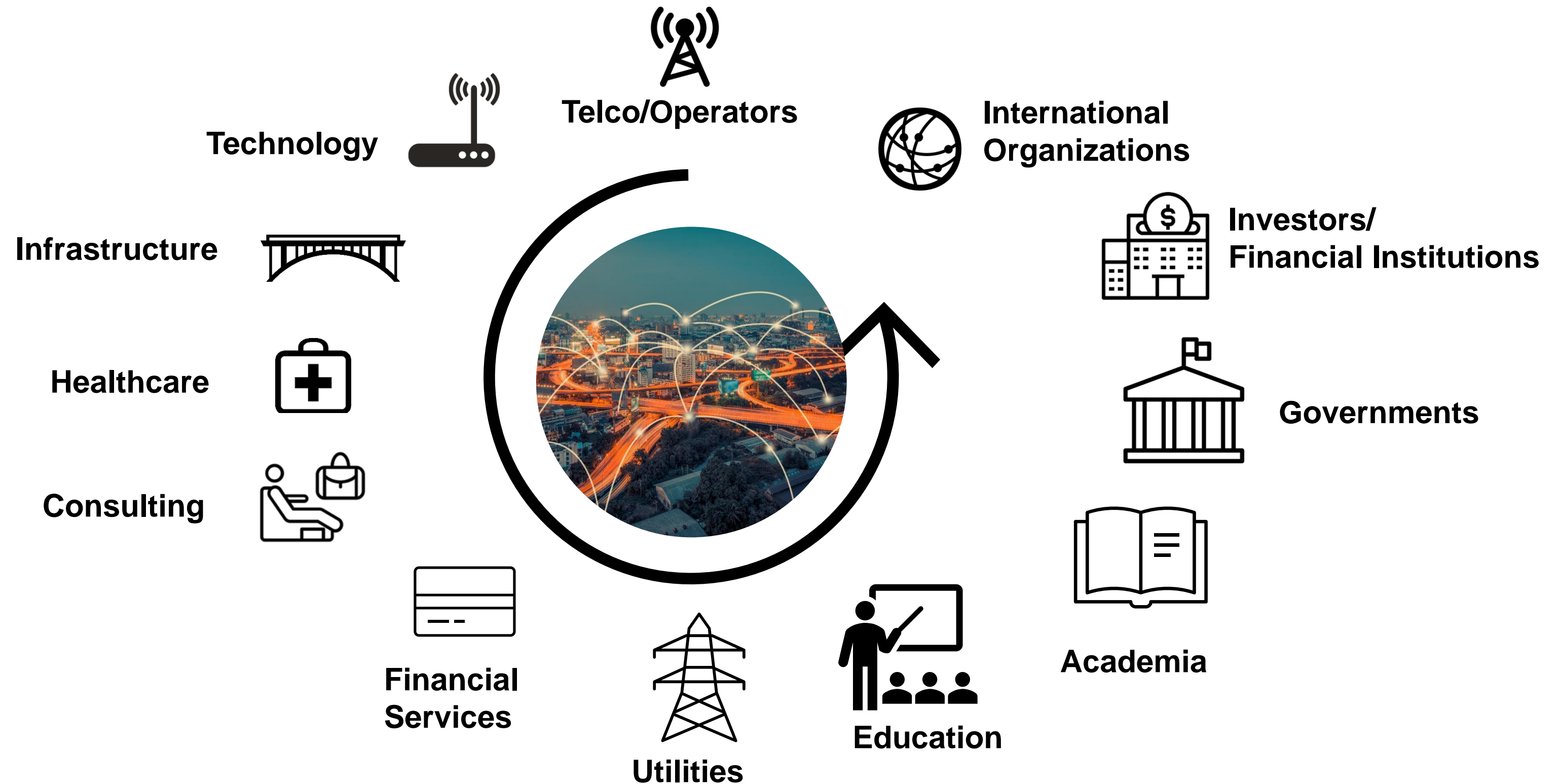


Tackling this Challenge will require unprecedented collaboration across sectors

Digital inclusion is essential to **economic inclusion, economic recovery, and social cohesion.**

New levels of collaboration are needed to connect organizations addressing the digital divide and cross-sector users – driving primary social & economic outcomes and enhancing the case for digital infrastructure investment.

Convening major actors with common interests across the value chains



Connecting the Unconnected

A Journey to Leave No Person Behind



Internet for All

2015-2019

Country-level Action

- ✓ Launched multi-stakeholder **country programs**
- ✓ Developed multi-stakeholder **proof-of-concept projects**
- ✓ Created **standard framework** for digital inclusion used across the world
- ✓ **Mobilized significant financial and human resources** to support country-level Innovation platforms

Covid-19 Response

Spring/Summer 2020

Global ICT Private-Public Action

- ✓ WEF, World Bank, ITU, GSMA **Joint Action Plan** rapidly shared with 170 Governments
- ✓ **High-Level Roundtable** with 60 Finance & ICT Ministers, Regulators, and ICT Industry CEOs
- ✓ **Country Implementations** ongoing
- ✓ Watch **video here**



EDISON

2020/21~ Mobilizing

Global Cross-sectoral Alliance & Platform

- ✓ Developed EDISON network (35+ organizations)
- ✓ Initial convening of cross-sector dialogue at **2020 Sustainable Development Impact Summit**
- ✓ **Playbook for Accelerating Digital Inclusion in New Normal**
- ☐ Mobilizing; Scoping thematic and sectors

