

World Economic Forum: Introduction



The International platform for multi-stakeholder cooperation since 1971

The World
Economic
Forum is the
International
Organization for
Public-Private
Cooperation.

Our purpose is to bring together stakeholders from all sectors of society to shape the future for the better and generate great impact through purpose-driven communities and impact-driven platforms.

We execute projects via a community-led approach

1 Create Communities

The Forum brings together leaders from business, government, academia, civil society and youth to work together to drive positive change. It starts with building awareness and facilitating cooperation.

Shape agendas and mindsets

Synthesize Flagship reports, policy frameworks and strategies to influence government priorities, business strategies and public opinion.

Execute Projects

Partners drive collective action through commitment to multi-stakeholder initiatives. Projects and collaborations started or supported by the Forum impact millions of people.



...

An unprecedented new global context



3.5 trillion

of earnings wiped out by COVID-19 for millions of people globally

94%

of workers are in countries where restrictions are in place. And 32% in countries where all but essential workplaces are closed

In 2020 global growth was

-3.5%

The World Bank Group expects to deploy up to

\$160 billion

over next 15 months to support countries' responses to COVID-19

Fiscal stimulus packages have played a significant role supporting businesses in high-income countries but threatens to increase inequalities between richer and poorer countries

The Great Reset



The COVID-19 pandemic has laid bare longstanding ruptures in our economies and societies. We are experiencing a social crisis of global proportions that forces us to rethink capitalism.

The "Great Reset" is a collaborative effort to reflect, reimagine, and reset our world, creating a healthier, more equitable, and more prosperous future.

The Forum provides organizations with unique opportunities to shape the principles, policies and partnerships needed to set the world back on track for sustainable economic growth.



The 5 dimensions of the Great Reset

Advancing global and regional cooperation.

Driving responsible industry transformation and growth.

Harnessing the technologies of the Fourth Industrial Revolution.

Designing cohesive, sustainable and resilient economic and social systems.

Enhancing stewardship of the global commons.

C4IR India - Aligning to National Priorities and Scaling Globally



Accelerating
the Adoption of
Emerging
Technologies
for more
Sustainable,
Resilient and
Prosperous
Future for all
through

- Innovative Governance
- Business models
- Community Ecosystems



Core Technology AreasOngoing Initiatives

2022 Priorities

Transformative technologies impacting Agriculture

Sowing, Precision Agriculture and Crop health



Soil health monitoring

- Govt. of India's comprehensive soil health card database: macro, secondary and micro nutrient contents, pH, EC, OC (ratio of N:P₂O₅:K₂O)
- · Sensors and crop imagery



Precision agriculture for input and water use optimization

- Granular weather data, climate variability, seasonal & short-term weather forecasts, crop imagery, monsoon patterns/ rain per unit of crop planted, soil profile and pattern of soil degradation, humidity
- Reduce agriculture's impact on water use by 2-5%



Crop health monitoring

Annotated datasets with images that help diagnose plant diseases pests, nutrient deficiencies, crop damages for specific crop-types depending on soil and irrigation profiles

Promoting value-chain linkages



Mobile service delivery

Increase farmer income by 3-6% and reduce food loss by 2-5%



Farm Mechanization Efficiency

Digital twins of tractors, power tillers, combine harvesters, diesel engines, electric pump-sets



Blockchain-enabled traceability Reduce food loss

by 1-2%

Creating effective production systems

Agri credit and Insurance-Al and Big Data



- Digital land records, risk based on past cropping patterns, acreage, yield estimates, periodic evaluation of farm-plot performance to reduce NPA-risk (crop growth, crop stage analysis), Smart sampling points for crop-cutting experiments
- Credit history, demographic and financial data



World Economic Forum ®

Food sensing technologies for safety, quality, and traceability
Reliable assaying and grading based on quality will help drive pan-India participation

Reduce food waste by 5-7%



IOT for real-time supply chain transparency and traceability Reduce food loss by 1-4%

Farmer income could increase by up to 2%

"estimated impact by 2030*

Fourth Industrial Revolution Technologies for Health 4.0

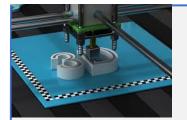
- Computation Pathology
- Primary health care
- Drug discovery

Clinical decision support system



• Wearable, Digestible, Implantable

- Remote Health Management,
- Training, Patient treatment compliance
- Point of Care management



- Clinical casts
- Pills- Variable rate drugs
- Implants

Intelligence **Fourth Industrial** Revolution **Technologies** for Health 4.0

Others

Mobile Health

Robotic surgery

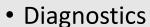
printing

Gene Therapy

Telemedicine

Medicine From **Sky-Drones**

Doctor consultations



Medical education

Practice Surgery



Precision Medicine





National Programme on Al

Al computing infrastructure for advanced processing





National Al Data Platform

Critical to catalyse innovation and harness potential of Al

Ambitious challenges solving multi-sectoral problems

Delivering solutions in various sectors





FINANCING AI

Support to Startups at Seed, Growth and Business Development

RESPONSIBLE AI

Creation of guidelines and tools to enable ethical AI design



Skilling

Creation of new interventions to solve demand-supply gap for Al Talents in India