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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.

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Create

Communities

Shape agendas

and mindsets

Execute Projects

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

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.

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

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



WØRLD ECONOMIC FORUM

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



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

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

- Innovative Governance
- Business models
- Community Ecosystems



Core Technology Areas

Ongoing Initiatives

2022 Priorities

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 $N:P_{2}O_{5}:K_{2}O$
- Sensors and crop imagery

Promoting value-chain linkages



Mobile service delivery

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



optimization

humidity

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

Precision agriculture for input and water use

seasonal & short-term weather forecasts, crop

imagery, monsoon patterns/ rain per unit of crop

Reduce agriculture's impact on water use by 2-5%

planted, soil profile and pattern of soil degradation,

Granular weather data, climate variability,



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

Blockchain-enabled

Reduce food loss

traceability

bv 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 NPArisk (crop growth, crop stage analysis), Smart sampling points for crop-cutting experiments
- Credit history, demographic and financial data





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%

World Economic Forum ®

Fourth Industrial Revolution Technologies for Health 4.0

• Computation Pathology



• Wearable, Digestible, Implantable





National Programme on Al



Ambitious challenges solving multi-sectoral problems

Delivering solutions in various sectors

RESPONSIBLE AI

Creation of guidelines and tools to enable ethical AI design



for AI Talents in India