

Agri-Tech Hubs

Comprehensive platform for Indian agriculture for a journey from “Atmanirbarata to Global leadership

The labour shortage in agriculture is very real, and the data shows that this is a global problem and spans all major countries, not just in India. There are a multitude of cultural and economic factors that lead to declining interest in agriculture. The most obvious effect of an agricultural worker shortage is, of course, less food and more expensive food. This challenge is compounded by the relatively small, and declining, contribution of agriculture to GDP,

Other important characteristics of the sector are the growing concerns over the steadily ageing workforce across most of the countries in the world, relatively low education levels, and the low attractiveness of careers in the sector for young, qualified people.

However, a detailed study of data on the crop-deficit of various crops across the world, and the value of unharvested standing crop yields, shows hundreds of billions of worth in value of crops in countries like Australia, Canada, and in some developing countries as well due to shortage of labour.

<https://youtu.be/y-dkoKywp5E>

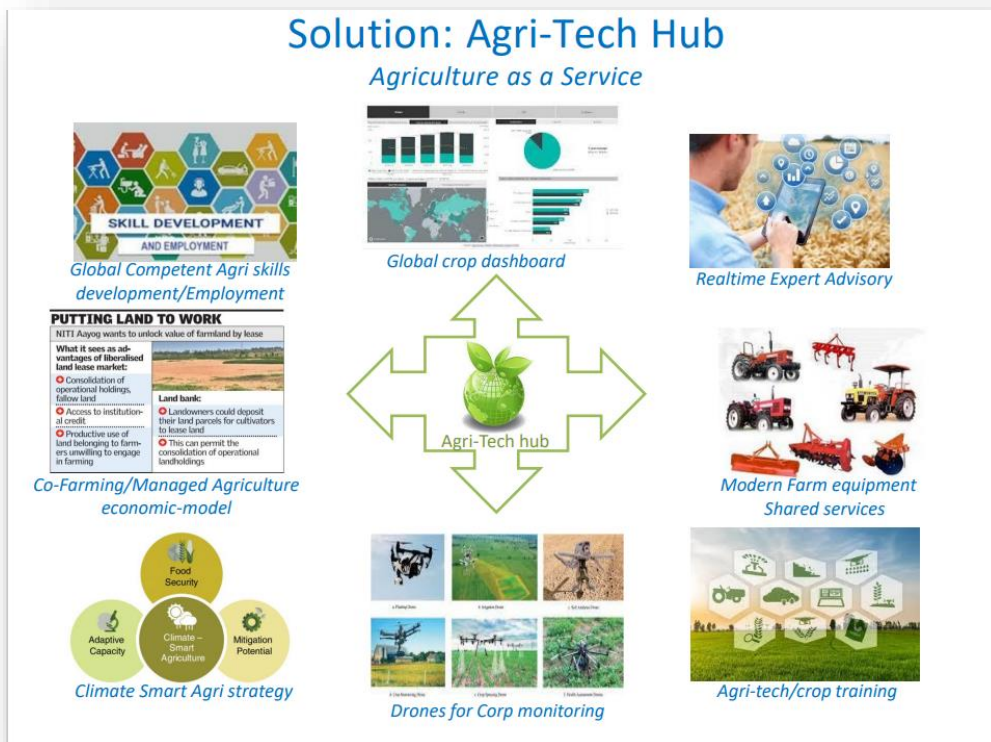
While the role of agriculture is evolving— with increasing attention to food security, environmental goods, and social aspects. These evolving demands faced by the agro-food sector require new skills and human capital, including entrepreneurial and digital skills, to ensure a sustainable and competitive sector.

Hence, for India, addressing this challenge is a great opportunity and has huge potential with a remarkable journey from *Atmanirbarata* to *global leadership in agriculture* as it holds a great competitive advantage in all three areas (human capital, entrepreneurial ability and digital skills) needed to sustain and grow this sector and be the global partner for all the countries in the world. To achieve this, we propose “Agri-tech Hubs” as a comprehensive and unified approach to address various challenges in the agricultural sector today.

<https://www.indiatoday.in/india/story/home-minister-amit-shah-village-development-india-trillion-dollar-economy-1961535-2022-06-12>

Agri-Tech Hubs can enable Atmanirbarata (Self-sustenance) for farmers in India and provide an opportunity to develop the required skills, understand the crop deficits across India—and the world—and lead the efforts in addressing the shortage of agriculture labour across the globe with a skilled workforce at an on-demand basis and help transform the challenges into opportunities. It would enable the agriculture workforce to be future-ready and rotate the workforce based on the skills and functions during various phases of cultivating, seeding, developing, and harvesting of crops. While the backend technology hub will be able to govern and manages overall functions, roles, schedules, support, and eco-system development.

An AI-driven Global Crop deficit dashboard to identify, address, and resolve challenges in planning and scheduling of crop harvests to address the deficits and contain excess crop yield.



This will bring many migrated laborers back to Agriculture, driving reverse migration and providing global opportunities for the Indian Agricultural workforce and encourage a significant population to take up agriculture. There have been initiatives by many countries to enable such temporary foreign workforce to travel and bridge the shortage of agricultural workforce, with the cultivating, developing, and harvesting seasons being spread across the world, the ability of

Agri-Tech hubs to manage these demand and supplies of workforce, technology and support would address most of the challenges in the agricultural sector in the world today.

<https://www.agriculture.gov.au/agriculture-land/farm-food-drought/agricultural-workforce>

This would result in millions of jobs in Agriculture and associated sectors, bringing many young, dynamic, and able workforce to be able to work across India and various countries in the world thus increasing the growth of the agricultural sector, reducing crop deficit, and driving profitability for farmers and in-turn increasing the contribution of Agriculture to the GDP growth.

With millions of young workforces needing opportunities for employment in India, Agri-tech Hubs can be the ideal solution that India is looking for to create this modern workforce and with the help of the government, this can be the ideal way in the journey of India to emerge as a global leader in Agriculture. This is the beginning of the Modern Agricultural Revolution of the World. India can be a kingmaker and a global partner and a leader in Agriculture like the IT revolution in which India grew exponentially over the last two decades. The next 3 decades can be India's Agricultural leadership for the world.

We have the in-depth knowledge and expertise to create, manage and drive the growth of "Agri-Tech Hub" a comprehensive platform for New India and the future of the world. We hope to discuss this further and realize the true potential of being the global leader and creating millions of employment opportunities for the youth of India.

We seek the opportunity to showcase the complete "Agri-Tech Hub" model and engage in further discussion to take it forward.

From
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