

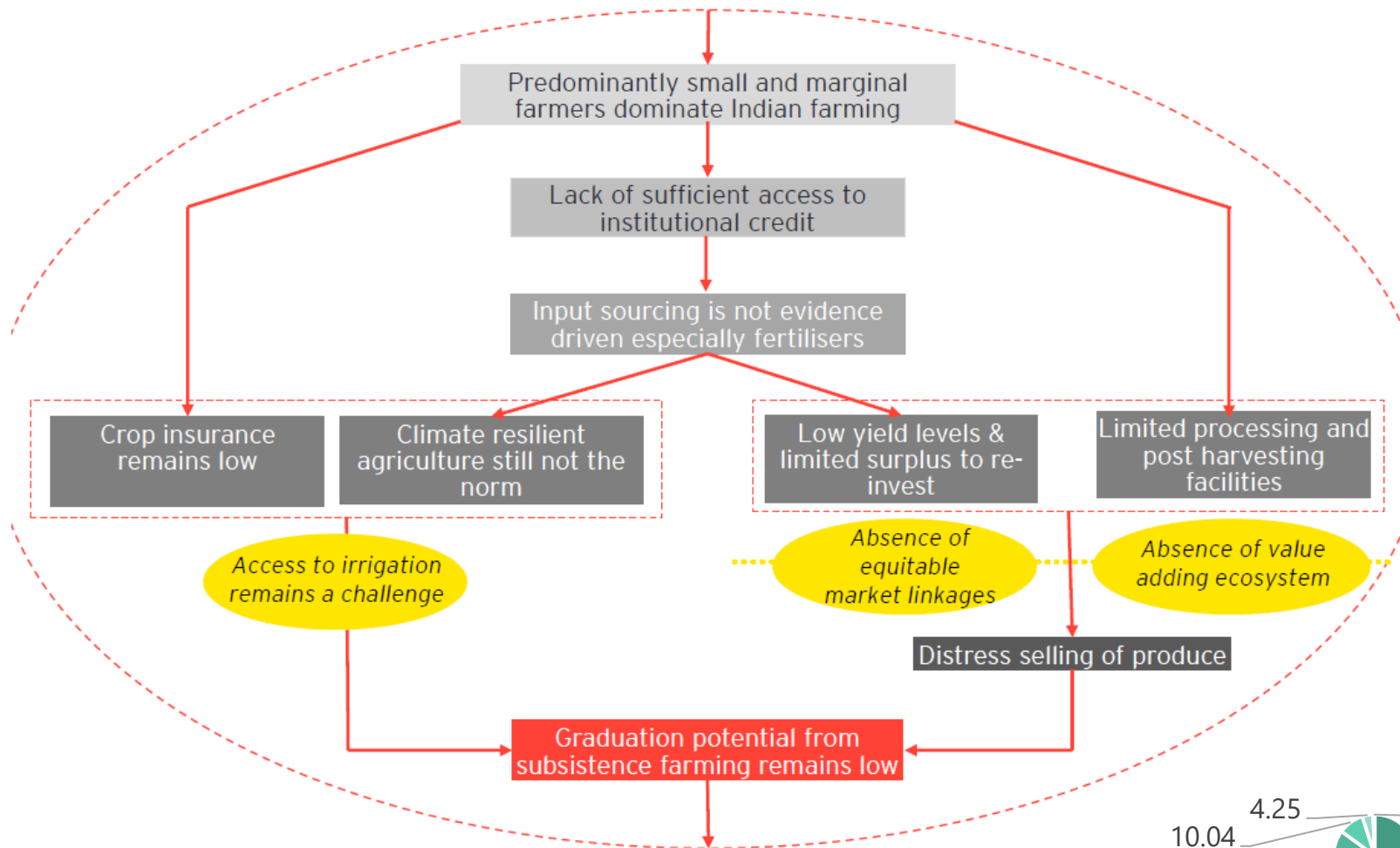
JICA's Cooperation in India's Agriculture Sector

27th January, 2023

Japan International Cooperation Agency

India Office

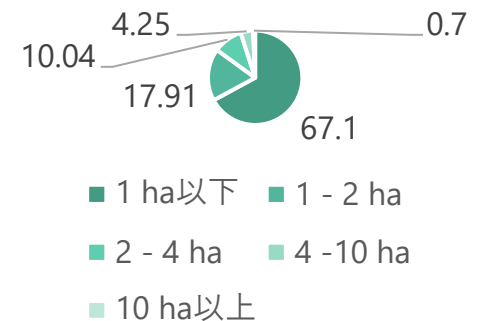
Current Situation and Factors holding down Indian Agriculture



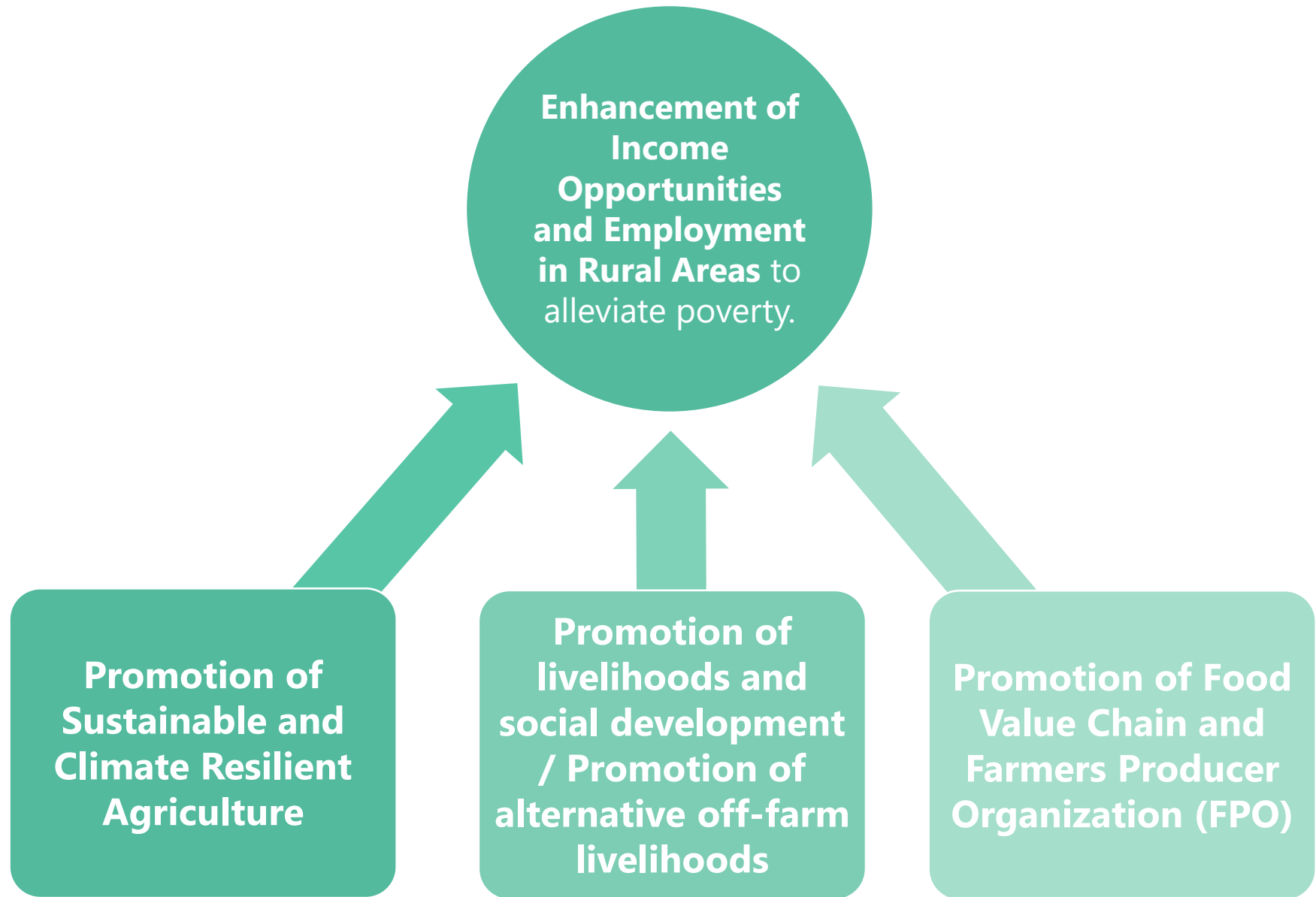
Almost 70% of the population reside in the rural area, and the share of agriculture workforce is 48.8% in 2011-12.

Average rural farm income is still 1/2 of average urban labor wages.

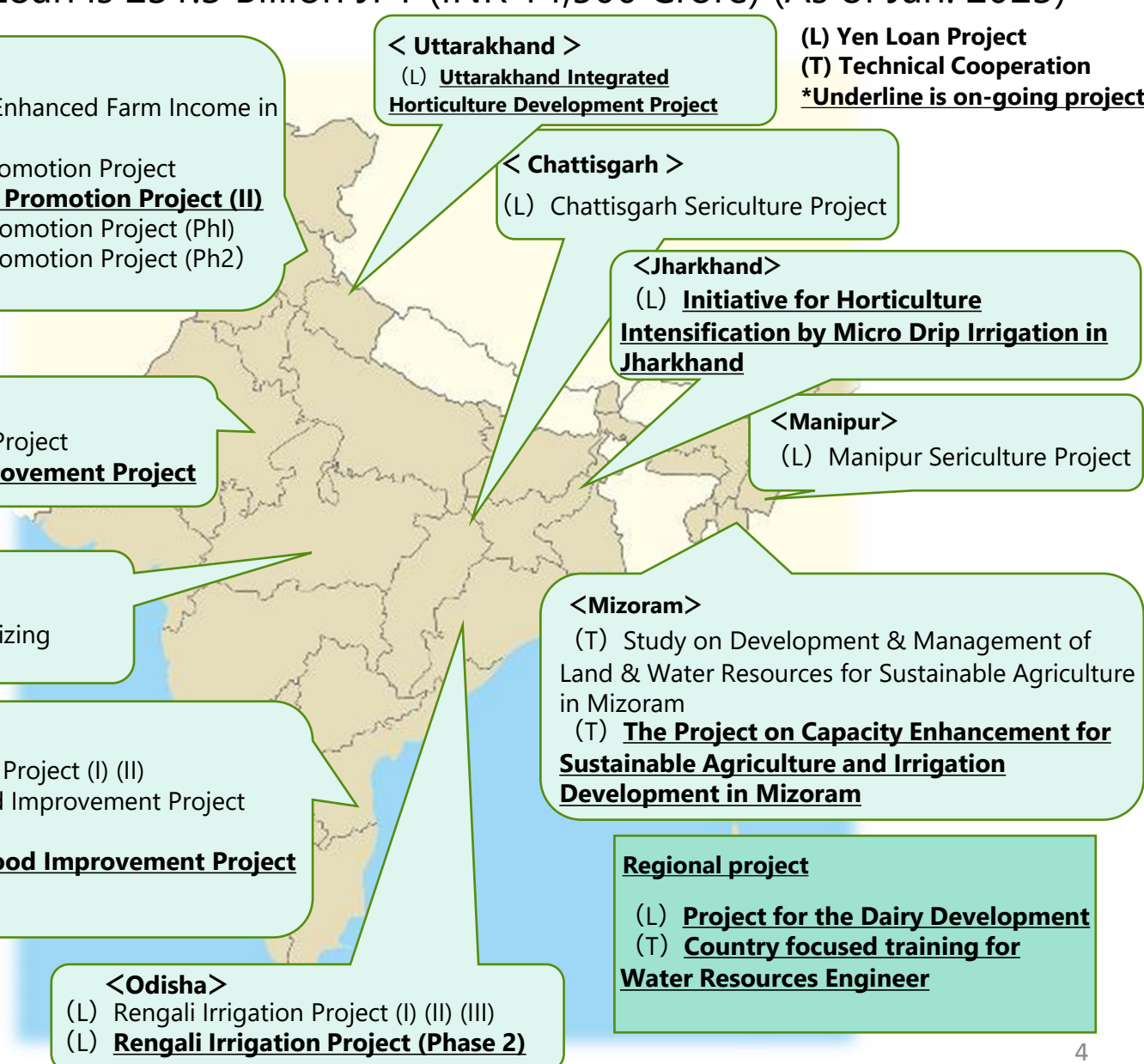
(Eg) Rice productivity
 India 2.2 t/ha
 U.S. 7.5 t/ha
 China 6.7 t/ha
 World Ava. 4.5 t/ha



3 Emerging Focus Areas and Overall Goal



JICA has supported 27 projects (22 Yen Loan and 5 TCP) in India since 1981-82.
 Total assistance for 22 Yen Loan is 231.3 Billion JPY (INR 14,500 Crore) (As of Jan. 2023)



<Himachal Pradesh>

- (T) The Study on Diversified Agriculture for Enhanced Farm Income in the State of Himachal Pradesh
- (L) Himachal Pradesh Crop Diversification Promotion Project
- (L) **Himachal Pradesh Crop Diversification Promotion Project (II)**
- (T) Himachal Pradesh Crop Diversification Promotion Project (Ph1)
- (T) Himachal Pradesh Crop Diversification Promotion Project (Ph2)

< Uttarakhand >

- (L) **Uttarakhand Integrated Horticulture Development Project**

(L) Yen Loan Project
 (T) Technical Cooperation
 *Underline is on-going projects

< Chattisgarh >

- (L) Chattisgarh Sericulture Project

<Jharkhand>

- (L) **Initiative for Horticulture Intensification by Micro Drip Irrigation in Jharkhand**

<Manipur>

- (L) Manipur Sericulture Project

<Rajasthan>

- (L) Rajasthan Minor Irrigation Improvement Project
- (L) **Rajasthan Water Sector Livelihood Improvement Project**

<Madhya Pradesh>

- (L) Rajghat Canal Irrigation Project
- (T) Technical Cooperation Project on Maximizing Soybean products in Madhya Pradesh

<Andra Pradesh, Telangana>

- (L) Kurnool Cuddapah Canal Modernization Project (I) (II)
- (L) Andhra Pradesh Irrigation and Livelihood Improvement Project (Ph1)
- (L) **Andhra Pradesh Irrigation and Livelihood Improvement Project (Ph2)(Transhe1)**

<Mizoram>

- (T) Study on Development & Management of Land & Water Resources for Sustainable Agriculture in Mizoram
- (T) **The Project on Capacity Enhancement for Sustainable Agriculture and Irrigation Development in Mizoram**

Regional project

- (L) **Project for the Dairy Development**
- (T) **Country focused training for Water Resources Engineer**

<Odisha>

- (L) Rengali Irrigation Project (I) (II) (III)
- (L) **Rengali Irrigation Project (Phase 2)**

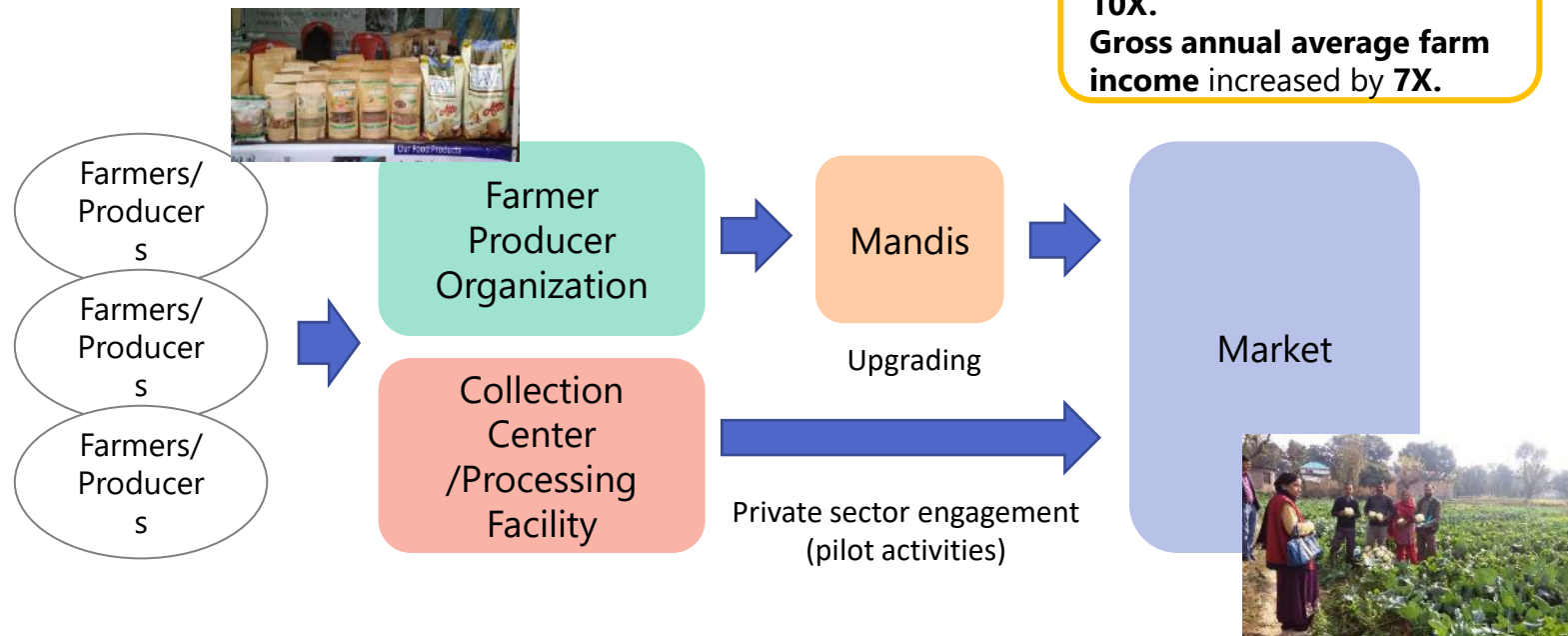
Himachal Pradesh Crop Diversification Promotion Project (ODA Loan + TCP + JICA Volunteers)

Objectives of HPCDP Phase 2 (Loan): Promote sustainable **crop diversification** and enhance farmer's bargaining power by development of production infrastructures (irrigation facilities and access farm roads), farmers support, institutional development and **marketing development**.

Project Implementation Agency: Dept. of Agriculture, Himachal Pradesh

Special Components of HPCDP Ph2:

- a) Crop Diversification (CP) based on agro-ecological zone-wise strategic crops
- b) Strategic FPO development and **private sector engagement**
- c) Training of farm economy management
- d) Promotion of nutrition sensitive agriculture



2007-2009
Development Study
Crop Diversification
Master Plan

2010 (L/A Signing)
HPCDP Ph1 (Loan)

2011-2016
HPCDP Ph1 (TCP)
Institutional capacity
building for CP and
marketing

2017-2022
HPCDP Ph2 (TCP)

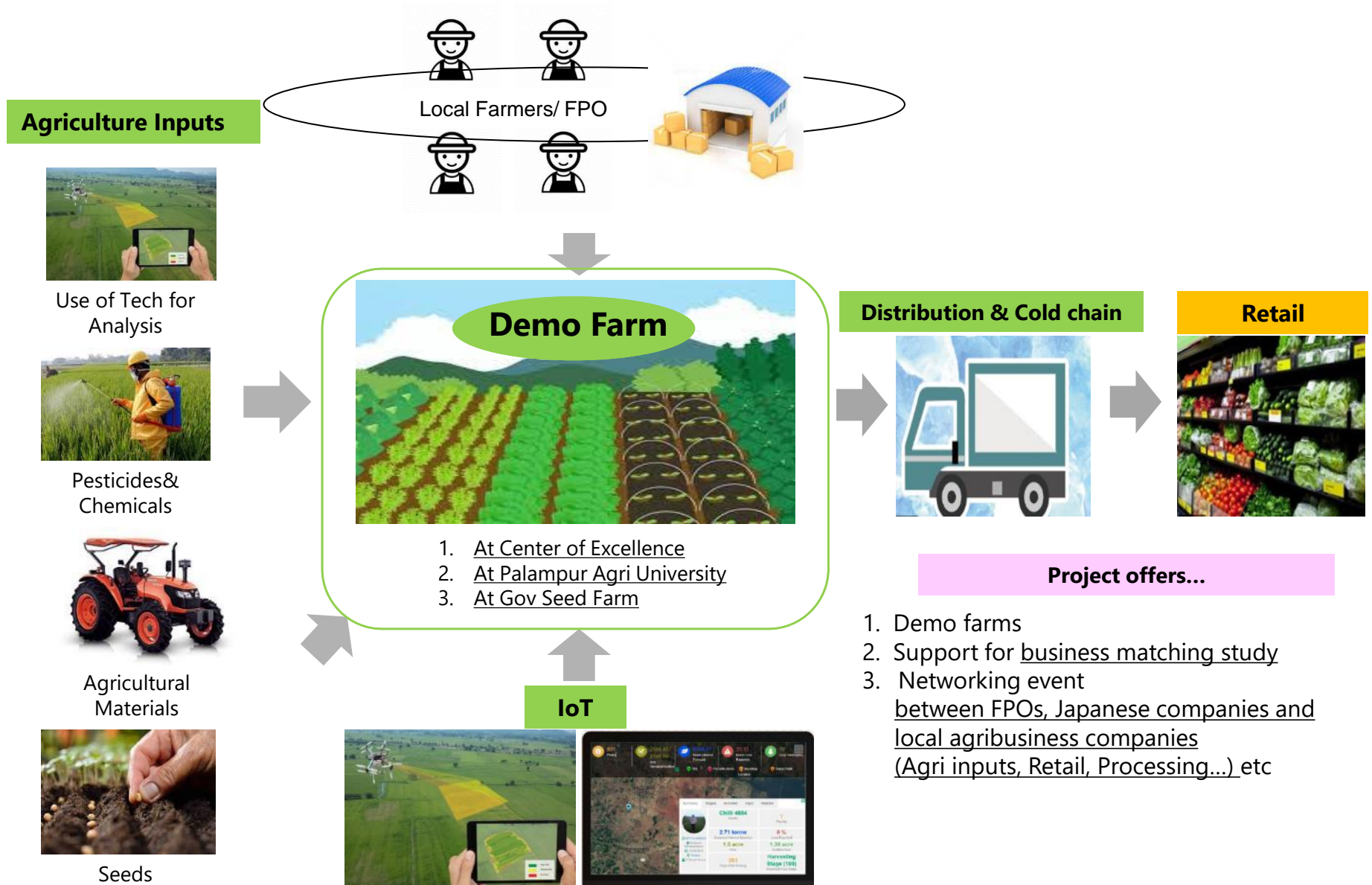
2019-2020
JICA Volunteers

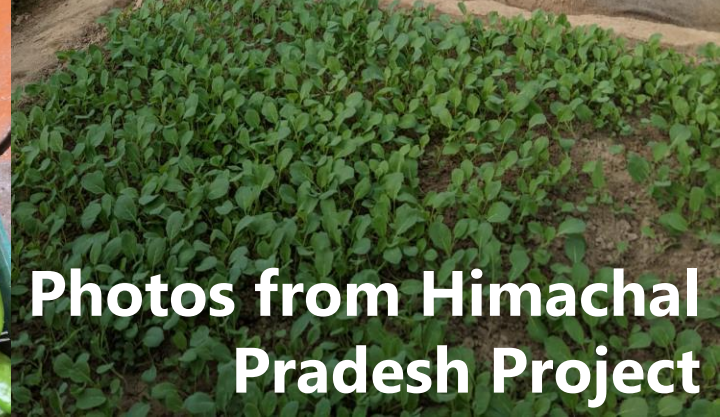
2021 (L/A Signing)
HPCDP Ph2 (Loan)

*TCP: Technical
Cooperation
Project

*Bold: on-going

Facilitation of Private Sector Engagement and Pilot Activities





Photos from Himachal Pradesh Project

Uttarakhand Integrated Horticulture Development Project (ODA Loan + TCP)

Objectives of UKIHDP: Promote **profitable horticulture** and improve farmer's income by infrastructure development and capacity development for production, processing and **marketing of horticulture crops**.

Project Implementation Agency: Dept. of Horticulture, Uttarakhand

Special Components of UKIHDP:

- **Area Expansion and Production Enhancement** by Climate change adaptation, Infrastructure development, R&D support (pre-harvest), provision of farm equipment and materials, capacity development for farmers
- **Supply Chain Development:** FPO development, infrastructure development, R&D (post-harvest), **Private sector collaboration promotion** (matching FPO& agribusiness operators, facilitation of pilot business trial)
- **Institutional Management of PM:** strengthening of PMU, capacity building R&D, Branding and marketing development, digitization



Uttarakhand Integrated Horticulture Development Project (ODA Loan + TCP)

1. Matching FPOs with agribusiness companies

Providing matching opportunity for agribusiness companies to connect local partners through the Single Window Clearance System for intended investors operated by the Investment Promotion and Facilitation Cell (IPFC) of the Directorate of Industries of Uttarakhand.

e.g. organizing investment seminars, intermediating FPOs and agribusiness operators, introducing available government schemes, etc.

2. Facilitation of pilot business trial

Encourage the private sector to intervene in the whole supply chain development through a pilot demonstration of innovative technologies and/or a joint venture operation in collaboration with local partners, such as private firms, farmers groups and government agencies.

e.g. Agri-inputs (seeds, fertilizers, pesticides, polyhouse, etc.), farm machinery, contract farming, food logistics and processing, DX services, finance, etc.