



2018

# AGRICULTURE LANDSCAPING REPORT

**N**   
ROHINI  
NILEKANI  
*philanthropies*

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# Executive Summary

Agriculture makes 15.4% of India's GDP. It employs 45% of people in traditional farming and modern agriculture methods and its contribution towards the betterment of the Indian economy is declining due to various reasons.

**Rising climate changes** are leading to low crop yields across the world. Despite a drop in hunger rates, India's economic growth has not translated to better food availability or **better nutrition**. A common cause for both the problems has been **low profitability from agriculture** and a **prevailing gender gap** in farming which results in unavailability of resources towards women farmers who make 70% of the farming population.

The idea of this report is to highlight organizations & individuals working/researching in the above mentioned fields of agriculture. The accompanying matrix with this report specifically breaks down the fields of work of these organizations.

Some notable insights made during the course of this research are:

- There are various National and International research and focussed research groups on climate specific agriculture.
- India has a varied agricultural landscape in terms of geo-ecological fragile zones thus climate change has different effects on different land types.
- Uncertainty of location specific effects of Climate Change
- There's a disjoint between nutrition and agriculture in India, with most initiatives falling under the health ministry.
- Beyond macronutrient and protein deficiency, a micronutrient deficiency especially in Iron and Zinc is prevalent. Bio-fortification through genetic engineering methods is a promising solution.
- Most organizations are working towards empowering women to improve their social and economic inequality status since this is a major cause of low agricultural productivity.

**Gaps** that were identified and that will need more work towards are:

- Disconnect between research and farming community.
- Policy changes: In most of the cases, lack of clear policy regulations is a huge barrier. Be it to rehabilitate farmers or to converge agriculture & nutrition initiatives.
- Optimal crop selection is important for farmers to address nutritional deficiencies.
- Increasing investments in productivity and finding lucrative markets:  
Ex: Harvesting mud crabs in the Sundarbans (instead of rice, because the water is too saline) and exporting them Japan (where there is demand)
- National and state governments should make climate adaptation of agriculture a focus on their agenda and sync with international action plans to mitigate these "disasters" (mostly in terms of funding programs and strategy)

- Incentives for agriculture: With increasing urbanization, there's lack of young talent in agriculture. Incentives either for practitioners or for early adopters such as farm-accelerator programs / VC, funding opportunities for start-ups (not just ag tech) would improve this.

# I ORGANIZATIONS

## Agramagee

### **Brief Description**

Promote all aspects of tribal development throughout India, with focus on Odisha through an integrated approach to help tribal communities mobilize for self-sustaining development initiatives

### **Established**

1981

**Leadership Team** N/A

### **Board Advisors**

Agramagee's board has 7 members. Full list here: <https://agramagee.org/about/our-board/>

### **Areas of Work**

Food & Nutrition

Sustainable Agriculture

Environment protection, including biodiversity conservation & rejuvenation.

### **Geographies of Focus**

Eastern state of Odisha.

Districts : Rayagada, Koraput, Nabarangpur, Malkangiri, Kalahandi, Nuapada, Kandhmal, Mayurbhanj, Gajapati ,Balangir.

### **Description of Research Projects/Work**

Reclaiming Tribal Landscapes: Over its years of work with tribal farmers, Agramagee has gained the understanding that the best innovations in agriculture for improving nutrition would be to help farmers reclaim their agricultural lands and improve and increase the cultivation of their traditional crops, which ensured a holistic and balanced nutrition of cereals, pulses, and oilseeds, supplemented by tubers, fruits, spinach, and other items from the forest. [Further information](#).

### **Partner Institutions**

Government and other institutions

### **Funding Model**

Donations + Grants

**Contact & Social Media**

Website: <https://agragamee.org/>

Address: At/P.O-Kashipur, Dist.-Rayagada

Pin – 765015, Orissa,India

Email: [info@agragamee.org](mailto:info@agragamee.org)

Facebook: <https://www.facebook.com/agragameeodisha/>

Annual Report: Latest annual report with link - <http://agragamee.org/wp-content/uploads/2018/06/Annual-Report-2016-17.pdf>

# AME India

## **Brief Description**

AME Foundation, as a resource organisation, has been promoting ecological agriculture for more than 27 years. AME Foundation has been guiding small and marginal rainfed farmers to manage their natural farm resources better, practice alternative eco-farming practices for enhanced yields and reduced costs.

## **Established**

1982

## **Board**

Sri Chiranjiv Singh - Chairman - I.A.S (Retd). Former Development Commissioner, Govt. of Karnataka

Dr. Vithal Rajan - Vice Chairman - Founder volunteer chair of the Deccan Development Society.

Dr.M.Mahadevappa - Member Trustee - Former VC, UAS-Dharwad.

Dr.N.G.Hegde - Member Trustee

Trustee and Principal Advisor, BAIF.

Dr.T.M.Thiyagarajan - Member Trustee - Former Dean, TNAU.

Prof.V.Veerabhadraiah - Member Trustee - Former Director of Extension, UAS Bangalore.

Sri B.K.Shiva Ram - Treasurer - Former Administrative officer LIC.

Dr.A.Rajanna - Member Trustee - Former Director of agriculture, Govt. of Karnataka.

Dr.Venkatesh Tagat - Member Trustee - Former CGM, NABARD.

Dr.Smita Premchander - Member Trustee - Founder Member and Hon. Chief Executive-Sampark.

Sri K.V.S.Prasad - Secretary to Board and Executive Director.

## **Areas of Work**

Improving farm livelihoods in drylands

## **Geographies of Focus**

Andhra Pradesh, Karnataka and Tamil Nadu

## **Description of Research Projects**

- Promoting sustainable agriculture in drylands through systematic combination of in-situ rainwater management, soil fertility improvement, crop and cropping practices, together with support activities like generating and recycling manurial biomass through LEISA approaches.
- Promoting resource conserving methods like System of Rice Intensification (SRI) in irrigated paddy, rainfed paddy, ragi and red gram.
- Integrating supplementary income generating activities for sustainable livelihoods.
- Guiding farmers through season-long Farmer Field Schools.
- Building capacities of rural youth in sustainable agriculture.

- Building capacities of NGOs in SA and FFS enabling scaling up.
- Wider dissemination of field experiences on ecological agriculture through LEISA India magazine.

**On going:**

- Dry land agriculture programme in Telangana
- S &T based sustainable dry farming approaches
- Producing more with less resource use
- Improving dry farming through ecological agriculture

**Partner Institutions**

**Funding Model**

**Contact & Social Media**

Email: [amefbang@yahoo.co.in](mailto:amefbang@yahoo.co.in), [amefbang@amefound.org](mailto:amefbang@amefound.org)

Latest Annual Report: <http://amefound.org/wp-content/uploads/Annual-Reports/ANNUAL-REPORT-FY-2015-16.pdf>

Note: AME India also has a magazine (LEISA India) which documents practical field experiences for the farming community.

**LEISA INDIA (AME’s Magazine)**

**Brief Description**

A magazine on ecological agriculture which documents practical field experiences.

**On going:**

Guiding in Documentation and Product development

Alternative and sustainable agricultural practices are being followed in many regions, practiced by many farmers and promoted by a number of organizations. However, these are not being disseminated far and wide, as they are not being noted or documented. One of the major reasons for not documenting is the lack of skills to document apart from time and resources.

Facilitating knowledge exchange platforms

**Contact & Social Media**

Facebook: <https://www.facebook.com/leisaindiamag>

Address: No. 204, 100 Feet Ring Road, 3rd Phase, Banashankari 2nd Block, 3rd Stage, Bangalore – 560 085, India Tel: +91-080- 2669 9512, +91-080- 2669 9522

E-mail: [leisaindia@yahoo.co.in](mailto:leisaindia@yahoo.co.in)

# BAIF

## **Brief Description**

BAIF Development Research Foundation was set up in 1967 near Pune by Dr. Manibhai Desai, a disciple of Mahatma Gandhi, to promote sustainable livelihood in Rural India.

## **Established**

1967

## **Leadership Team**

Mr. G. G. Sohani  
President and Managing Trustee

## **Core Management Team**

Mr. G. G. Sohani *President and Managing Trustee*, Mr. S. B. Karvande *Adviser and Secretary*, Dr. A. B. Pande *Senior Vice President (Livestock Technology)*, Mr. B. K. Kakade *Executive Vice President*

Dr. D. N. Shindey *Vice President (Programmes)*, Mr. A. K. Sinha *Vice President (Programmes)*, Mr. S. C. Gijare *Group Vice President (HR and Administration)*, Mr. S. V. Kulkarni *Group VP - Finance*

Complete List here [http://www.baif.org.in/our\\_management.asp](http://www.baif.org.in/our_management.asp)

## **Areas of Work**

Agriculture and Food Security,  
Economic Opportunity,  
Energy and Environment,  
Health

## **Geographies of Focus**

Eastern state of Odisha.

Districts : Rayagada, Koraput, Nabarangpur, Malkangiri, Kalahandi, Nuapada, Kandhmal, Mayurbhanj, Gajapati ,Balangir.

## **Description of Research Projects**

As part of their agriculture and tribal development projects, BAIF has special focus on nutritional security. Nutritional security is being addressed through enrichment of backyard gardens with perennial vegetables, cultivation of strawberries and high value vegetables, conservation of paddy, millets, tubers, wild vegetables, promotion of non-timber forest products such as tassari silk, palmyra palm, mahua (*Madhuca indica*), charoli, lac farming, gum cultivation, aromatic grass such as lemon grass and rosha, water chestnut cultivation and inland fishery.

## **On going:**

Maharashtra Gene Bank Project

Improved agriculture and water resource management projects

**Partner Institutions**

NABARD

Tata-Cornell Institute (TCI)

**Funding Model**

Grants + Donations

**Contact & Social Media**

E-mail : [baif@baif.org.in](mailto:baif@baif.org.in)

Website: <http://www.baif.org.in/>

BAIF Development Research Foundation

BAIF Bhavan, Dr. Manibhai Desai Nagar

Warje, Pune 411058, India

Email: [baif@baif.org.in](mailto:baif@baif.org.in)

Facebook: <https://www.facebook.com/BAIFUP/>

Annual Report: [http://www.baif.org.in/contents/BAIF\\_Annual\\_Report\\_%202016\\_17.pdf](http://www.baif.org.in/contents/BAIF_Annual_Report_%202016_17.pdf)

# Care India

## **Brief Description**

CARE is a not-for-profit organization working in India for over 65 years, focusing on alleviating poverty and social injustice. projects in health, education, livelihoods and disaster preparedness and response. Their goal is the empowerment of women and girls from poor and marginalised communities leading to improvement in their lives and livelihoods.

## **Established**

1950 (in India)

## **Management Team**

Shantamay Chatterjee, Senthil Kumar, Sushmita Mukherjee, Rohit Nayyar, Hemant Shah  
Further details: <https://www.careindia.org/management-team/>

## **Board**

9 member team - Neera Saggi, Yamini Aiyar, Mathew Cherian, Gautam Chikermane, Shyam Divan, Namrata Kaul, Luis Miranda, Shobhini Mukerji, Gowri Mukherjee.  
Complete list & further details here <https://www.careindia.org/board-management/>

## **Areas of Work**

Health  
Education  
Livelihood  
Gender amongst others.

## **Geographies of Focus**

Odisha for TARINA their main nutrition project. Otherwise mostly central India and TN. [Details](#).

## **Description of Research Projects**

TECHNICAL ASSISTANCE AND RESEARCH FOR INDIAN NUTRITION AND AGRICULTURE (TARINA). This project aims to improve access and availability for poor and marginal smallholders to year round affordable, diverse and quality foods in order to achieve positive nutrition outcomes. TARINA works on multiple agriculture-nutrition pathways for some of the most marginalized groups in one of the least developed areas of the country.

More details here: <https://www.careindia.org/project/tarina-technical-assistance-and-research-for-indian-nutrition-and-agriculture/>

**Other projects:** [Archive](#)

## **Partner Institutions**

Various corporate partners and institutional partners like Amazon, Bill & Melinda Gates Foundation etc. [Details](#).

TARINA project is as a member of a consortium being led by Cornell University. Other consortium members include BAIF, Emory University, Grameen Development Services, International Food Policy and Research Institute (IFPRI), the Tata Trusts, and Tata Cornell Initiative.

**Funding Model**

Donations + Partnership Grants

**FCRA: Yes** - <https://www.careindia.org/financials/>

**Contact & Social Media**

Website: <https://www.careindia.org/>

Facebook: <https://www.facebook.com/CAREinIndia/>

Email: [contactus@careindia.org](mailto:contactus@careindia.org)

A-12, Bhilwara Towers, Third Floor, Tower II Sector 1, NOIDA, Uttar Pradesh 201301

Latest Annual Report: <https://www.careindia.org/wp-content/uploads/2018/03/CARE-annual-report-March-21-FINAL.pdf>

# Climate Change Agriculture and Food Security (CAAFS)

## **Brief Description:**

Climate Smart Village Program: Strengthening the capacity of women farmers, therefore, is known to be an essential step towards building climate resilient households, communities and food systems

**Established:** 2011

**Leadership Team:** CGIAR

## **Areas of Work:**

Research on

- Priorities and Policies for CSA
- Climate-Smart Technologies and Practices
- Low Emissions Development
- Climate Services and Safety Nets
- Gender and Social Inclusion

**Geographies of Focus:** Haryana

**Description of Research Projects:** The objective is to strengthen the adaptive capacity of 75,000 farming families/communities in 250 villages of 10 largely paddy/wheat growing districts (Yamunanagar, Ambala, Kurukshetra, Karnal, Jind, Kaithal, Panipat, Sonapat, Sirsa and Fatehabad) to climate change and variability. The project was earlier piloted in 27 villages of District Karnal jointly by the International Maize and Wheat Improvement Center (CIMMYT), National Innovations in Climate Resilient Agriculture (NICRA) Project under Indian Council of Agricultural Research (ICAR) and the Department of Agriculture & Farmers Welfare, Government of Haryana. The climate smart villages in this pilot project successfully adopted a portfolio of interventions for managing water, weather, nutrient, carbon, energy and knowledge.

## **Partner Institutions:**

CGIAR is a global research partnership for a food-secure future. Its science is carried out by 15 Research Centers in close collaboration with hundreds of partners across the globe:

[www.cgiar.org](http://www.cgiar.org)

## **Contact & Social Media**

Borlaug Institute for South Asia

2nd Floor, CG Block C,

NASC Complex DPS Marg, Pusa, Opp Todapur,

New Delhi 110 012, India

Contact person

Pramod Aggarwal

Phone: +91 1125 8408 11

Email: [p.k.aggarwal@cgiar.org](mailto:p.k.aggarwal@cgiar.org)

# Central Research Institute for Dryland Agriculture (CRIDA)

**Brief Description:** CRIDA is a National Research Institute under the Indian Council of Agricultural Research (ICAR) established in 1985 with a mandate to carry out basic and applied research in rainfed farming. The Institute also undertakes National/ International Collaborations and Consultancy Projects. All India Coordinated Research Programmes (AICRPs) of ICAR on Dryland Agriculture and Agrometeorology with 25 partners each are in CRIDA. This is the lead Institute and the National Nodal point for the National Innovations in Climate Resilient Agriculture (NICRA) which is being implemented at large number of Research Institutes of ICAR, State Agricultural Universities and 100 KVKs

**Established: 1985**

**Leadership Team:** Dr.K.Sammi Reddy *Acting Director*

**Board:**

**Areas of Work:** Climate Resilient Agriculture/ improving profitability

**Geographies of Focus:** India

**Description of Research Projects:**

- Basic and applied for sustainable and climate resilient agriculture in rainfed areas.
- Coordinate network research for generating location-specific technologies in rainfed areas.
- Centre for capacity enhancement in natural resource management in drylands.

**On going:**

[Paid Analysis](#)

[Online Crop Contingency Planning](#)

[Yieldgap DSS](#)

[Mera Gaon and Mera Gaurav](#)

Contingency Plan

Daily Rainfall Situation

Crop Pest DSS

Crop Weather Outlook

**Jal-DSS - Tool to Measure Impact of Watershed Development Program**

**Partner Institutions:** It has strong collaboration with ICRISAT, ILRI, IWMI, ANGRAU and other SAUs, JNTU, University of Delhi, Osmania University and other Universities and NGOs for developing and refining technologies for improving profitability in rainfed agriculture

## **Funding Model**

### **Contact & Social Media:**

[Dr.K.Sammi Reddy](#)

[Acting Director](#)

ICAR - Central Research Institute for Dryland Agriculture (CRIDA)

Santoshnagar

Hyderabad 500 059, Telangana, India

Ph : +91-40-24530177

Fax : +91-40-24531802

Email : [director.crida@icar.gov.i](mailto:director.crida@icar.gov.i)

# CROPIN

**Brief Description:** [Cropin](#) Technology Solutions Pvt. Ltd, a private software and mobile apps company, has developed digital applications to advise farmers on ways to achieve optimal harvests, depending on weather conditions, soil and other indicators.

**Established:** 2010

**Leadership Team:** Krishna Kumar, Founder

**Geographies of Focus:**

**Description of Research Projects:** Cropin provides Farm-Businesses/Growers with farm management software and mobile apps, which enable them to do connected, and data driven farming. It allows them to take advantage of real time data and insight from farms (an accurate view of their operation throughout the entire growing season) and to improve financial, operational and agronomy aspects.

**On going:**

**Partner Institutions:** Seeders, FICCI, Invested Development, UKAid, BEENext

**Funding Model:** Venture

**Contact & Social Media:**

CROPIN TECHNOLOGY SOLUTIONS PVT LTD  
#1021,3rd Floor,16th Main,BTM Layout 1st Stage  
Bangalore -560029 Karnataka  
+91-7625098755

Website [cropin.co.in/home.html](http://cropin.co.in/home.html)

Facebook [View on Facebook](#) LinkedIn [View on LinkedIn](#) Twitter [View on Twitter](#)

# Dangoria Trust

## **Brief Description**

Dangoria Charitable Trust (DCT)'s rural centre is located in the village Narsapur, in Medak district, of the South Indian state of Telangana (formerly Andhra Pradesh). Since its inception in the year 1981, DCT has tried to serve the poor and the needy and empower rural community particularly women and children through science and technology and social engineering.

## **Established**

1981

## **Managing Trustee:**

Dr. Devyani Dangoria (MBBS, DGO, DRCOG (London))

Mobile: 8297722721

9440049586

## **Board N/A**

## **Areas of Work**

Predominantly a hospital, they do work in Health & Nutrition, environmental outreach and sanitation.

## **Geographies of Focus**

Telangana & Andhra Pradesh

## **Description of Research Projects**

Nutritionally promotive and environmentally sustainable farming for micronutrient security

They're promoting diversification from paddy and sugar cane to nutritionally- oriented homestead gardening, and cultivation of pulses and millets using green methods of farming. Backyard poultry using high egg-yielding varieties has also been introduced. A continuing activity funded under different projects supported by the Department of Science and Technology and the Department of Biotechnology. Women and adolescent girls are targeted.

## **Partner Institutions**

Department of Science and Technology (DST), Government of India

Dr. Reddy's Foundation

Indian Institute of Millets Research (IIMR)

## **Funding Model**

Donations & Grants (Government)

**Contact & Social Media**

**Email:** [dangoriatrust@yahoo.com](mailto:dangoriatrust@yahoo.com)

**Website:** [www.dangoriatrust.org.in](http://www.dangoriatrust.org.in)

**Address:** 1-7-1074, RTC 'X' Roads,  
Hyderabad - 500 020.

Tel: 040 - 27661422.

Annual Report: <http://www.dangoriatrust.org.in/downloads/DCT%20Ann%20Report%202016-2017.pdf>

# Digital Green

## **Brief Description**

Digital Green is a global development organization that empowers smallholder farmers to lift themselves out of poverty by harnessing the collective power of technology and grassroots-level partnerships. Digital Green is an independent non-governmental organization that focuses on training farmers to make and show short videos where they record their problems, share solutions and highlight success stories. Digital Green's approach is primarily a technology-enabled means of behavior change communication, which is cost-effective, scalable, and brings together researchers, development practitioners, and rural communities to produce and share locally relevant information through videos.

## **Established**

2006

## **Leadership Team**

Rikin Gandhi, Co-Founder & Executive Director  
Lakshmi Iyer, Regional Director, Africa  
Vinay Kumar, Regional Director, Asia  
Karin D. Lion, Director, Global Agriculture Strategy

## **Board**

Kentaro Toyama - Board Chair - Digital Green Foundation (U.S.)  
Melissa Ho - Board Secretary - Digital Green Foundation (U.S.)  
Soumen Biswas - Board Member - Digital Green Foundation (U.S.)  
Edwin Macharia - Board Member, Digital Green Foundation  
Srikant Vasan - Board Member - Digital Green Foundation (U.S.)  
Rajesh Veeraraghavan - Board Member - Digital Green Foundation (U.S.)  
Tejesh Shah - Chair - Board of Directors, Digital Green Trust (India)  
Indrani Medhi Thies - Board Member - Digital Green Trust (India)  
GNS Reddy - Board Member - Digital Green Trust (India)

## **Areas of Work**

CoCo - Connect Online Connect Offline  
Community Videos  
Technology  
Innovation Labs

## **Geographies of Focus**

India

## **Description of Research Projects / On going:**

Community-Led, Technology-Enabled Agriculture Intervention for Nutrition

Digital Community Engagement Platforms for Improving Family Planning, Maternal Child Health and Nutrition Outcomes

Partnership with India's National Rural Livelihood Mission

More details: [Here](#)

### **Partner Institutions**

Various Government Partners & Knowledge Partners. More details here:

<http://www.digitalgreen.org/partners/>

### **Funding Model**

Governmental and Private Organisations

### **Contact & Social Media**

Email: [Contact form](#)

Facebook: <https://www.facebook.com/digitalgreenorg>

Annual Report: [http://www.digitalgreen.org/wp-content/uploads/2017/08/Digital-Green\\_Annual-Report\\_2017.pdf](http://www.digitalgreen.org/wp-content/uploads/2017/08/Digital-Green_Annual-Report_2017.pdf)

# Global Alliance for Improved Nutrition

## Brief Description

### Established

#### Strategic Management Team

Dr. Lawrence Haddad, *Executive Director* ([lhaddad@gainhealth.org](mailto:lhaddad@gainhealth.org))

Steve Godfrey *Director, Policy & External Relations* ([sgodfrey@gainhealth.org](mailto:sgodfrey@gainhealth.org))

Elizabeth Maddison, *Director, Strategic Operations* ([emaddison@gainhealth.org](mailto:emaddison@gainhealth.org))

Saul Morris, *Director, Program Services* ([smorris@gainhealth.org](mailto:smorris@gainhealth.org))

Lynnette M. Neufeld, *Director, Knowledge Leadership* ([lneufeld@gainhealth.org](mailto:lneufeld@gainhealth.org))

Tarun Vij, *Director, Country Programs* ([tvij@gainhealth.org](mailto:tvij@gainhealth.org))

Senior Management Team: [Complete list](#)

### Board

Mauricio Adade (*President Latin America & Global Malnutrition Partnerships, Royal DSM, Brazil*)

Dr. Kaosar Afsana (*Director, BRAC Health Programme, James P Grant School of Public Health, Bangladesh*)

Vinita Bali (*Chair of the GAIN Board of Directors, India*)

Joachim Von Braun (*Vice Chair of the GAIN Board of Directors, Chair of the GAIN Nominations and Remuneration Committee, and Director, Centre for Development Research, University of Bonn, Germany*)

Kathryn Dewey (*Distinguished Professor Emerita, Department of Nutrition, University of California, US*)

Dominic O'Neill (*Chief Operating Officer World Wide Fund for Nature International, Switzerland*)

Ajai Puri (*Non-Executive Director at Tate and Lyle PLC, Firmenich SA and Britannia Industries Limited, India*)

Felia Salim (*Chairperson of the Governing Board of Kemitraan / Partnership for Governance Reform and the Chairperson of Transparency International Indonesia, Indonesia*)

Guillaume Taylor (*Co-founder and Managing Partner of Quadia, Switzerland*)

Stanley Zlotkin

(*Chief, Global Child Health, Hospital for Sick Children, Canada Chair of the Board Programme Committee, Canada*)

### Ex Officio:

Lawrence Haddad, *Executive Director, GAIN*

### Areas of Work

Food Fortification

Nutritious food Financing

Marketplace for nutritious foods & others

**Geographies of Focus:** Multiple cities in India

### **Description of Research Projects**

#### Large Scale Food Fortification

GAIN's large scale food fortification projects in Rajasthan and Madhya Pradesh promoted the fortification of wheat flour, edible oil, milk, and lentils and reached large sections of the population, particularly the most vulnerable, through commercial channels and publically funded programs such as the Public Distribution System, the Integrated Child Development Services program, and the Mid-Day Meal program.

#### Decentralized production of fortified blended food

GAIN is facilitating the establishment and operationalization of four production facilities to produce and distribute a quality assured fortified blended nutritious food product to approximately 70,000 targeted beneficiaries (children and pregnant and lactating mothers) in the states of Karnataka and Bihar.

Other work in nutrition and agriculture: <https://www.gainhealth.org/knowledge-centre/program/india/#our-recent-work-in-india>

**Partner Institutions:** Multiple alliances with Governments, institutions etc. [Details](#)

### **Funding Model**

Government grants + Private foundation donations

### **Contact & Social Media**

Address: New Delhi, India D-2, Commercial Tower, Edenpark Hotel (Qutab Hotel), Shaheed Jeet Singh Marg, Qutab Institutional Area, New Delhi – 110016, T: +91 11 43147575

Email: [info@gainhealth.org](mailto:info@gainhealth.org)

Facebook: <https://www.facebook.com/GAINalliance>

Website: <https://www.gainhealth.org/knowledge-centre/country/india/>

Annual Report: <https://www.gainhealth.org/organization/annual-reports/>

# Harvest Plus

## **Brief Description**

HarvestPlus improves nutrition and public health in India by promoting pearl millet that provides more iron and wheat that provides more zinc in the diet. They work with 45 partners+ drawn from government, business, and civil society.

## **Established**

1993

## **Leadership Team**

### Senior Advisor

M.S. Swaminathan (*UNESCO Cousteau Chair in Ecotechnology & Chairman, M.S. Swaminathan Research Foundation, India*)

PAC Members: [Full list](#)

**Board:** Board of trustees have delegated to PAC (above)

## **Areas of Work:**

Nutrition ,Crops, Bio-fortification

## **Geographies of Focus**

Maharashtra, Rajasthan, Uttar Pradesh, Bihar, Jharkhand

## **Description of Research Projects**

HarvestPlus supports the National Agricultural Research System in India to breed, test, and release biofortified pearl millet and wheat developed through our partnership with the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) and the International Maize and Wheat Improvement Center (CIMMYT).

**On going:** Same as above

## **Partner Institutions**

CGIAR and its subsidiaries.

## **Funding Model**

Private foundations + grants

## **Contact & Social Media**

### Pearl Millet:

Binu Cherian, HarvestPlus Country Manager,  
c/o ICRISAT, Patancheru 502324,  
Phone: +91 (40) 30713770

Email: [b.cherian@cgiar.org](mailto:b.cherian@cgiar.org)

Wheat:

Parminder Virk, Crop Development Manager,

c/o ICRISAT, Patancheru 502324,

Phone: +91 4030713074

Email: [p.virk@cgiar.org](mailto:p.virk@cgiar.org)

Facebook: <https://www.facebook.com/HarvestPlus-113133542401/>

Latest Annual Report:

[http://www.harvestplus.org/sites/default/files/publications/2017\\_AnnualReport\\_vF\\_July26.pdf](http://www.harvestplus.org/sites/default/files/publications/2017_AnnualReport_vF_July26.pdf)

# ICCO

## **Brief Description**

ICCo is a development organization working in India in collaboration with different partnering institutions.

**Established:** Unclear

## **Leadership Team**

Alay Barah, Executive Director

## **Trustees:**

Mr.Sanjay Patra, Chairman

Ms. Sushma Mehrotra, Managing Trustee

**Board: NA**

## **Areas of Work**

Agriculture Value Chain Development

Food & Nutrition Security

Impact Investments in Agribusiness

## **Geographies of Focus**

Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram, Sikkim, Odisha, Jharkhand

## **Description of Research Projects**

ICCo's Food and Nutrition Security Program aims to ensure food and nutrition security for poor and marginalised communities, with a specific focus on women. The program focuses on increasing access to government programs and schemes. It also monitors food security schemes and opposing policies that might adversely affect food security.

They organise small farmers and educate them on technology, nutrition and rights related to food security. Other strategies are aligning partners' programs with the government and tapping into government resources, improving production, marketing surplus products, and increasing access to resources. The program also aims to develop the capacity of community-based organisations. It works on synergies with inclusive business initiatives and also on access to markets.

## **On going:**

Value Chain Initiatives

Piggery Chain, Ginger Value Chain, King Chilli Value Chain etc.

## **Partner Institutions**

ICco works with multiple stakeholders like state governments (Jharkhand), NGOs, companies and grantmakers.

### **Funding Model**

Grants & Private

### **Contact & Social Media**

Email: [info@iccoindia.org](mailto:info@iccoindia.org)

Website: [www.iccoindia.org](http://www.iccoindia.org)

Address: First Floor, C-19/A Green Park Extension, Delhi – 110016, T:+91-11-46866700

Facebook: <https://www.facebook.com/profile.php?id=100009485332020>

Annual Report: [http://iccoindia.org/wp-content/uploads/2018/01/ICCo-Annual-Report-2016-17\\_Printable-4.pdf](http://iccoindia.org/wp-content/uploads/2018/01/ICCo-Annual-Report-2016-17_Printable-4.pdf)

# ICRISAT (International Crops Research Institute for the Semi-Arid Tropics)

## **Brief Description**

ICRISAT is an international non-profit organization that undertakes scientific research for development. Through participatory methods it works in partnership with different entities - local, regional, national & international

## **Established**

1972

## **Leadership Team**

Dr David Bergvinson, Director General [D.Bergvinson@cgiar.org](mailto:D.Bergvinson@cgiar.org)

Dr Peter Carberry, Director General (Acting) Deputy Director General - Research  
[P.Carberry@cgiar.org](mailto:P.Carberry@cgiar.org)

Dr Ramadjita Tabo, Research Program Director – West and Central Africa and Country Representative, Project Investigator - HOPE II, Mali

Dr Moses Siambi - Research Program Director - Eastern & Southern Africa and Country Representative, Kenya

Dr Anthony Whitbread - Research Program Director - Innovation Systems for the Drylands

Dr Rajeev K Varshney - Research Program Director - Genetic gains

Dr Pooran Gaur - Research Program Director - Asia Program

Joanna Kane-Potaka - Assistant Director General - External Relations

David Johnson - Director of Corporate Services

## **Board**

## **Areas of Work**

Crop Improvement, Integrated crop management, Policies and impacts, ICRISAT Development Center, Plant Quarantine Unit, and Farm and Engineering Services.

## **Geographies of Focus**

India

## **Description of Research Projects**

A detailed description of their ongoing R&D work: <https://www.icrisat.org/research-development/>

## **Partner Institutions**

ICRISAT has various partners ranging from academic institutions to international NGOs. Here's a complete list of all their partners. <https://www.icrisat.org/research-partners/>

## **Funding Model**

Private and foundations. [Full list here.](#)

**Contact & Social Media**

[ICRISAT@cgiar.org](mailto:ICRISAT@cgiar.org)

Facebook: <https://www.facebook.com/ICRISAT>

Regional Program Director – Asia

Email: [s.wani@cgiar.org](mailto:s.wani@cgiar.org)

Strategic Doc 2020: <http://www.icrisat.org/who-we-are/sp/icrisat-sp-2020.pdf>

# IFAD

## **Brief Description**

IFAD is an international financial institution and specialized United Nations agency based in Rome, the UN's food and agriculture hub. They fund grants and low-interest loans to projects that have reached about 464 million people.

## **Established**

1977

## **Leadership Team**

President: Gilbert F. Hounbo

**Board:** Executive board with 18 member countries

## **Areas of Work**

Crops, Climate & Environment, Nutrition

## **Geographies of Focus**

India

## **Description of Research Projects**

IFAD does some extensive work in climate change, nutrition and increasing livelihood.

## **On going:**

Fostering Climate Resilient Upland Farming Systems in the North East (Mizoram and Nagaland States)

Convergence of Agricultural Interventions in Maharashtra's Distressed Districts Programme

**Partner Institutions** N/A

## **Funding Model**

## **Contact & Social Media**

Email: [ifad@ifad.org](mailto:ifad@ifad.org)

India contacts:

Meera Mishra: [m.mishra@ifad.org](mailto:m.mishra@ifad.org) (Country Coordinator)

Rasha Yousef Omar: [r.omar@ifad.org](mailto:r.omar@ifad.org) (Country Programme Manager)

Sriram Sankara Subramaniam: [s.subramaniam@ifad.org](mailto:s.subramaniam@ifad.org) (Associate Country Officer)

# IFPRI

## **Brief Description**

IFPRI identifies and analyzes national and international policies and strategies for meeting the food needs of the developing world on a sustainable basis, with particular emphasis on low-income countries and on the poorer groups in those countries. IFPRI is headquartered in Washington, DC.

## **Established**

1975

## **Senior Management Team**

Shenggen Fan, Director General, IFPRI

(s.fan@cgiar.org)

Sherian Abramaitys-Yi, Director, Human Resources

(S.Abramaitys-Yi@cgiar.org)

Channing Arndt, Director of Environment and Production Technology Division

(C.Arndt@cgiar.org)

Ousmane Badiane, Director for Africa

(o.Badiane@cgiar.org)

Paul Dorosh, Director of Development Strategy and Governance Division

(p.dorosh@cgiar.org)

James Fields

Director of Finance and Administration Division

(J.FIELDSD@CGIAR.ORG)

Pramod Joshi, Director for South Asia

(p.joshi@cgiar.org)

Rajul Pandya-Lorch

Director of Communications and Public Affairs & Chief of Staff in the Director General's Office

(r.pandya-lorch@cgiar.org)

Marie Ruel, Director of Poverty, Health and Nutrition Division

(m.ruel@cgiar.org)

Rob Vos, Director of Markets, Trade and Institutions Division

([R.Vos@cgiar.org](mailto:R.Vos@cgiar.org))

## Observers

Eugenio Diaz-Bonilla, Head of Latin American and Caribbean Program

(e.diaz-bonilla@cgiar.org)

Howarth Bouis, Institute Fellow and HarvestPlus Interim CEO

(h.bouis@cgiar.org)

## **Board**

Mari Pangestu, Indonesia

Nancy Birdsall, USA  
Derek Byerlee, Australia  
Margaret Catley-Carlson, Canada  
Dacian Julien Cioloș, Romania  
S. Mahendra Dev, India  
Ismahane Elouafi, Morocco/Canada  
Shenggen Fan, Director General, International Food Policy Research Institute  
Marcos Sawaya Jank, Brazil  
Simon Maxwell, United Kingdom  
Célestin Monga, Cameroon  
Brave Rona Ndisale, Malawi  
Emorn Udomkesmalee, Thailand

### **Areas of Work**

Fostering Climate-Resilient and Sustainable Food Supply  
Promoting Healthy Diets and Nutrition for All  
Building Inclusive and Efficient Markets, Trade Systems, and Food Industry  
Transforming Agricultural and Rural Economies  
Strengthening Institutions and Governance

### **Geographies of Focus**

India

### **Description of Research Projects**

TANDI initiative (“Tackling the Agriculture-Nutrition Disconnect in India”  
POSHAN (Partnerships and Opportunities to Strengthen and Harmonize Actions for Nutrition in India)  
More details: [Research Projects - India](#)

### **On going:**

Policies, Institutions, and Markets (PIM) and Agriculture for Nutrition and Health (A4NH).

### **Partner Institutions**

WFP  
Oxford Poverty and Human Development Initiative (OPHI)  
Feed the Future  
United States Agency for International Development (USAID) & more.

### **Funding Model**

Grants, Private & Government Funding

### **Contact & Social Media**

Email: <https://www.ifpri.org/contact-ifpri-email-webform>

Facebook: <http://www.facebook.com/pages/International-Food-Policy-Research-Institute-IFPRI/15653394685>

Annual Report: <http://ebrary.ifpri.org/cdm/singleitem/collection/p15738coll2/id/132562/rec/1>

# Indian Network on Ethics and Climate Change (INECC)

**Brief Description:** To facilitate the voice of the marginalized majority from specific local contexts to be considered for policy action;  
To undertake research and documentation on the issues relating to climate change, sustainable communities and its implications especially for marginalised communities;  
To undertake educational and other programmes with, and on behalf, of marginalized social groups and communities on causes, responses and other dimensions of climate justice;  
To explore and undertake pilot initiatives towards promotion of sustainable development technologies and practices;  
To focus on environmental ethics for individual and social action  
To shape perceptions of the youth around this agenda specifically on the key issue of social justice

## **Established:**

### **Leadership Team:**

AllwynD'Silva, Director, Institute for Community Organisation Research (ICOR), Mumbai  
Nafisa Goga D'Souza, Convenor Executive Director, Laya Resource Center, Visakhapatnam  
Ajita Tiwari, National Facilitator, INECC, New Delhi  
R. Sreedhar, Director, Environics, New Delhi

## **Board**

### **Areas of Work: Geographies of Focus: India**

**Description of Research Projects:** INECC is an open, flexible and democratic network. The INECC team currently comprises 16 active members. INECC works through its partners who are present across key ecosystems in India: Coastal, Himalayan, Arid, Semi-arid, Forest and Urban ecosystems. Its outreach is 150 organisations and CBOs based in various locations across the country. Laya Resource Center, an NGO based in Visakhapatnam, Andhra Pradesh, functions as the Secretariat for the Network's operations.

### **On going:**

[Strengthening Climate Resilience for the Poor: State Action Plan on Climate Change  
Climate Change and Grassroots Adaptation Process: Case Studies of 5 Ecosystems](#)

### **Partner Institutions:**

### **Funding Model: Grants/ Donations**

### **Contact & Social Media**

c/o Laya Resource Center  
Plot no. 110, Yendada  
Near Senora Beach Resorts

Visakhapatnam – 530 045, Andhra Pradesh, INDIA

ph: +91 891 2526663, +91 891 2735332, +91 891 6539729 email: [layarc@gmail.com](mailto:layarc@gmail.com)

<http://inecc.net>

# International Maize and Wheat Improvement Center (CIMMYT)

## **Brief Description**

CIMMYT works throughout the developing world to improve livelihoods and foster more productive, sustainable maize and wheat farming.

## **Established**

1966

## **Leadership Team**

### **Board**

Board of Trustees: [More details](#)

## **Areas of Work**

Food insecurity and malnutrition, climate change and environmental degradation.

## **Geographies of Focus**

India

## **Description of Research Projects**

They lead Germplasm, Maize and Wheat Research for CGIAR

## **On going:**

To reduce air pollution around New Delhi, federal and state governments in India are pushing for sustainable alternatives to rice paddy residue burning, a widespread practice farmers use to clear their fields before sowing wheat. CIMMYT is working with partners to promote locally-manufactured farm implements that sow wheat seed directly into unplowed land, with residues of harvested rice paddies on the soil surface. This eliminates the need for burning crop residues and tilling the soil, and can reduce greenhouse gas emissions by 500 kilograms per hectare and increase farmer income by \$150 per hectare.

## **Partner Institutions**

Depending on the project: Some partners include

Alliance for a Green Revolution in Africa (AGRA), Centre for Agriculture and Biosciences International (CABI), the Brazilian Agricultural Research Corporation (Embrapa), Food and Agriculture Organization of the United Nations (FAO), the Kenya Agriculture and Livestock Research Organization (KALRO), the International Institute of Tropical Agriculture (IITA), the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), the International Centre of Insect Physiology and Ecology (ICIPE), the United States Department of Agriculture (USDA), and the U.S. Agency for International Development (USAID).

## **Funding Model**

Donors, Partners & Private

**Contact & Social Media**

Facebook: <https://www.facebook.com/CIMMYT>

Email: [a.k.joshi@cgiar.org](mailto:a.k.joshi@cgiar.org)

Latest Annual Report: <https://spark.adobe.com/page/A7haWuoWz7vf1/>

# ISAP India

## **Brief Description**

Indian Society of Agribusiness Professionals (ISAP) is a Delhi-based development organization, which is actively engaged in agriculture and rural development. It is one of the largest networks of agriculture and allied sector professionals in the world.

## **Established**

2001

## **Board**

Mr Sudarshan Surywanshi - CEO - B.Tech (Agri), MTech (IIT, Kharagpur)

Mr Vikas Kardile - B Tech ( Agri ) , PGDM (IIM Ahmedabad)

Dr B R Patil - Ph.D. (University Of Illinois, U.S.A)

Mr. Pankaj Agarwal - B.Tech. (IIT Delhi), M.Engg. (NUS Singapore)

## **Areas of Work**

Sustainable livelihoods, Integrated Farming Systems

Small farm-based holistic model, Farmer aggregation and Agribusiness linkages, Rural entrepreneurship and Vocational training, ICT in agriculture, Kisan Call Centre, Community Radio Stations, E-Krishaksahyogi, Agribiz knowledge hub & e-learning

## **Geographies of Focus**

## **Description of Research Projects**

### **On going:**

OCPF Integrated Farming System Project, Rajasthan

OCPF-Agriculture Extension System Project, Karnataka

Project SHARE II

Promotion of Farmer Producer Organizations (FPOs) under Govt supported programs

Agri-clinic Agri-business Program

## **Partner Institutions**

They have various partners from Governmental bodies to International organizations. Here's the [complete list](#).

## **Funding Model**

## **Contact & Social Media**

Email - [isapho@isapindia.org](mailto:isapho@isapindia.org)

Address: B-1/B-1, Mohan Cooperative Industrial Estate, Mathura Road, New Delhi -110044,

Phone - +91-11-43154100

Facebook: <https://www.facebook.com/groups/agribiz4u/>

# Isha Foundation - The Isha Agro Movement (IAM)

## **Brief Description**

Combining agro-forestry and organic farming techniques with comprehensive training and re-education programs, IAM aims to support and assist the farmers of Tamil Nadu to re-establish the ecological balance of their lands.

## **Established**

2007

## **Leadership Team**

### **Board**

### **Areas of Work**

Agro-forestry, education, organic farming.

## **Geographies of Focus**

Tamil Nadu

## **Description of Research Projects**

Combining agro-forestry and organic farming techniques with comprehensive training and re-education programs, IAM aims to support and assist the farmers of Tamil Nadu to re-establish the ecological balance of their lands.

Project Green Hands

Green School

## **On going:**

### **Partner Institutions**

World Environment Day Campaign Partners, International Sponsors, National Partners, Media, NGOs: [List here](#)

## **Funding Model**

## **Contact & Social Media**

# LANSA: Leveraging Agriculture for Nutrition in South Asia

**Brief Description:** LANSA in India will actively engage with stakeholders through a variety of channels (consultations, one-on-one meetings, blogs, newsletter, research and policy briefs, social media channels) to bring a nutrition focus in Central and State Government programmes to establish the agriculture-nutrition linkage and improve nutrition outcomes.

**Established: 2013**

## **Leadership Team**

Haris Gazdar, Senior Researcher at the Collective for Social Science Research

Jeff Waage, OBE, Director of the London International Development Centre

Jim Sumberg, research fellow at IDS

John Mcdermott CGIAR Research Program on Agriculture for Improved Nutrition and Health

Madhura Swaminathan, Professor at the Economic Analysis Unit of the Indian Statistical Institute, Bangalore, and Chairperson of the M. S. Swaminathan Research Foundation.

**Board:**

**Areas of Work:** Nutrition sensitive agriculture, Agri-food policy

## **Geographies of Focus**

**Description of Research Projects:** The majority of the research in India is led by the MS Swaminathan Research Foundation (MSSRF), the lead organisation for the LANSA programme. The integrated package of work includes studies on understanding the barriers and facilitators to nutrition-sensitive agricultural development in the country, analysing a few agri-food value chains and exploring how agricultural interventions can be designed to improve nutritional outcomes. Within these three areas, the following studies have been/are being conducted in India:

1. ENABLING ENVIRONMENT, WOMEN'S AGENCY AND CHILD UNDERNUTRITION
2. AGRI-FOOD POLICY, STRATEGY AND VALUE CHAINS
3. PRO-NUTRITION AGRICULTURE INTERVENTIONS

**On going:**

[NUTRITION SENSITIVE AGRICULTURE](#)

How can agriculture interventions be designed to improve nutritional status?

[ENABLING ENVIRONMENTS](#)

How can agriculture and food systems be better linked to other drivers of nutrition?

**Partner Institutions:** MSSRF,

**Funding Model:** Grants by UK DFID This research has been funded by the UK Government's Department for International Development; however the views expressed do not necessarily reflect the UK Government's official policies

**Contact & Social Media:**

[Facebook](#)

[Twitter](#)

# Living Farms

## **Brief Description**

Focus is on improving food security and nutrition for marginal, landless agricultural laborers, forest dependent communities and Adivasis in India

## **Established**

2005

**Team:** [Details here](#)

## **Areas of Work**

Establishing a sustainable agricultural model, Achieving food security and health, Regenerating the forests

## **Geographies of Focus**

Odisha

## **Description of Research Projects/ On going:**

Establishing a sustainable agricultural model

Working with forest dependent, marginalized and landless farmers and villages to establish a local community led model for sustainable farming

- In this model the farmers would grow and maintain their own seeds in a community owned organic seed bank, use natural /organic fertilizers like compost and bio pesticides
- Market their produce and create value additions
- Use traditional multi-cropping (for example food crops like millets) instead of "monocultures" and a single cash crop

## **Partner Institutions**

WECF - Women Engage for a Common Future

## **Funding Model**

Individual donations & grants

## **Contact & Social Media**

Address: Living Farms, Plot No.1181 / 2146, Ratnakarbag-2, Tankapani Road, Bhubaneswar - 751018, Odisha - India

Email: [info@living-farms.org](mailto:info@living-farms.org)

Facebook: <https://www.facebook.com/LivingFarms/>

# MS Swaminathan Research Foundation (MSSRF)

## **Brief Description**

The M S Swaminathan Research Foundation (MSSRF) was established in 1988 as a not-for-profit trust. MSSRF was envisioned and founded by Professor M S Swaminathan with proceeds from the **First World Food Prize** that he received in 1987. The Foundation aims to accelerate use of modern science and technology for agricultural and rural development to improve lives and livelihoods of communities.

## **Established 1988**

## **Leadership Team**

Dr. G.N. Hariharan, Director, Biotechnology [gnhariharan@mssrf.res.in](mailto:gnhariharan@mssrf.res.in)

Dr Nadesa Panicker Anil Kumar, Director, Coastal System Research [anil@mssrf.res.in](mailto:anil@mssrf.res.in)

Nancy J Anabel, Director, Information, Education and Communication [anabel@mssrf.res.in](mailto:anabel@mssrf.res.in)

Dr Rengalakshmi, Director, Ecotechnology [rrengalakshmi@mssrf.res.in](mailto:rrengalakshmi@mssrf.res.in)

Dr R Rukmani, Director, Food Security [rukmani@mssrf.res.in](mailto:rukmani@mssrf.res.in)

## **Board**

Prof. M.S. Swaminathan, Founder Chairman, M.S. Swaminathan Research Foundation

Dr. Madhura Swaminathan, Chairperson, MSSRF, Professor, Economic Analysis Unit, Indian Statistical Institute

Mr. V. Namasivayam, Senior Director, Deloitte

Dr. T. Ramasami, Former Secretary, DST

Dr. Manju Sharma, Former Secretary to the Govt. of India, Dept. of Biotechnology

Dr. V.S. Chauhan, Director, International Centre for Genetic Engineering & Biotechnology (ICGEB)

Dr. Kezevino Aram, Director, Shanti Ashram

Dr. Narayan G. Hegde, Trustee and Principal Adviser, BAIF Development Research Foundation

Shri. N.L.Rajah, Advocate

Dr. Sunita Narain, Director General, Centre for Science and Environment

Shri. S. Mahalingam, Former CFO, TCS

## **Areas of Work**

Coastal Systems Research, Biodiversity, Biotechnology, Ecotechnology, Food Security, Information Education Communication, Gender & Grass-root Institutions, Climate Change

## **Geographies of Focus**

India

## **Description of Research Projects**

### Climate change research:

Enhance the adaptive capacities of rural communities at the arid, semi arid and coastal regions of India through evidence based climate change research;

Climate change policies: Play a key role in climate science based policy research on mainstreaming adaptation and mitigation of climate change in various sectors such as agriculture and food security, water, coasts, clean energy security etc.;

Climate change capacity building: Build capacities at local community level through training the trainer programs, workshops, seminars, symposiums and conferences. Thus, the outcome of “climate change cross cutting theme” of MSSRF is not a standalone achievement; rather it is a collective accomplishment of all partnering programs.

### Food Security & Nutrition:

Studies on the Technological Dimension of Agricultural Crisis

Study of large-scale feeding programmes and their linkages with small farmers

Mahila Kisan Sashaktikaran Pariyojana (MKSP – Programme for the Empowerment of Women Farmers), Vidarbha and Odisha

### **Ongoing:**

Geographical Information System based Forewarning Model for Pest Management in Coastal Agriculture, Vedaranyam Block of Nagapattinam district, Tamil Nadu

Conservation and Development of the Vedaranyam Coastal Zone based on the Gandhian Principles

Studies on greenhouse gas fluxes in Pichavaram mangrove ecosystem, Southeast coast of India

Restoration and management of mangroves along the Thane Creek in Navi Mumbai region

Inventorisation and Monitoring of Biospheres Reserves in India using Remote Sensing and GIS Technology

Mangrove restoration and afforestation in the degraded area

### **Partner Institutions**

Various partners in the state, national and international level. [Full list here.](#)

**Funding Model:** Private + Grants + Government

### **Contact & Social Media**

Website: <http://www.mssrf.org/>

Facebook: <https://www.facebook.com/mssrf.org>

Email: [swami@mssrf.res.in](mailto:swami@mssrf.res.in), [founder@mssrf.res.in](mailto:founder@mssrf.res.in)

Annual Report: <http://mssrf.org/sites/default/files/Annual%20Report%202016-17.pdf>

Address: M S Swaminathan Research Foundation

3rd Cross Street, Institutional Area, Taramani, Chennai 600 113, India, Tel: +91 (44) 22541229, +91 (44) 22541698

# National Innovations in Climate Resilient Agriculture

**Brief Description :** To make Indian agriculture resilient to climate change through development and application of adaptation and mitigation technologies.

**Established:** 2010

**Leadership Team: Dr. H. Pathak :** Principal Scientist and Professor

**Board:**

**Areas of Work: Climate Resilient Agriculture**

**Geographies of Focus: India**

## **Description of Research Projects:**

1. Phenotyping, physiological evaluation and genetic improvement of irrigated crops (rice, wheat, chickpea) for heat and drought stresses.
2. Monitoring of GHG emissions through flux towers/field measurement in irrigated rice-wheat production system in the IGP (New Delhi) and rice-rice system in south-east peninsula (Aduthurai).
3. Adaptation and mitigation through improved crop management, enhanced water productivity and nutrient use efficiency; and carbon and nutrient budgeting in rice-wheat system.
4. Strengthening real-time data capture on crop health through Satellite Data Reception System and integrate the output to agro-advisories.
5. Integrated crop modelling for wheat and rice for impact assessment and identifying adaptation strategies at regional level for near and long-term downscaled scenario.
6. Technology demonstration on farmers fields and capacity building.

## **On going:**

1. Vulnerability of irrigated crops to climate variability
2. Genotypes of crops tolerant to climatic stresses
3. GHG emission inventory and mitigation technologies
4. Real time information on crops
5. Contingency measures for managing climatic stress
6. State-of-the-art infrastructure for climate research
7. Trained scientific man power
8. Extension departments and farmers exposed to the climate resilient technologies
9. Institutionalization of linkages with other national programmes

## **Partner Institutions:**

ICAR Institutes and SAUs  
Indian Meteorological Dept.  
Department of Science and Technology  
IIT-Kharagpur, IIT-Delhi  
The Energy and Resources Institute (TERI)  
Indian Institute of Science  
State Agricultural Departments/NGOs  
CGIAR Institutes (IRRI, CYMMIT, IWMI)

**Funding Model**

Grants + Partnerships

**Contact & Social Media**

<http://www.nicra.iari.res.in/index.html>

**Dr. H. Pathak**

Principal Scientist and Professor  
Division of Environmental Sciences,  
IARI, New Delhi  
Email: [hpathak.iari@gmail.com](mailto:hpathak.iari@gmail.com)

# Payir

## **Brief Description**

Payir is a grassroot level organization in India that helps empower rural communities through holistic development activities. Payir has initiated several programs that address key challenges in order to empower villages in Perambalur.

## **Established**

2007

## **Leadership Team**

Senthilkumar Gopalan, Managing Trustee

Other trustees: <http://www.payir.org/trustees/>

## **Areas of Work**

Health & Sanitation, Education, Nutrition, Sustainable Farming

## **Geographies of Focus**

Tamil Nadu

## **Description of Research Projects**

On going:

Monopolization of cash crops – cotton and maize has depleted soil wealth : Knowledge transfer to around 450 farmers on cultivation of vegetables and cereals

## **Partner Institutions**

## **Funding Model**

## **Contact & Social Media**

Address: Payir Trust, Thenur village, Perambalur District, Tamil Nadu 621 114, India

Annual Report: <http://www.payir.org/wp-content/uploads/2018/08/Payir-Annual-Report-2018.pdf>

Email: [info@payir.org](mailto:info@payir.org)

# PRADAN

## **Brief Description**

PRADAN began working with the government and have developed programs such as IRDP, SGSY, and the National Rural Livelihood Mission.

## **Established**

1983

## **Leadership Team**

Mr. Narendranath Damodaran, Executive Director

Deep Joshi, Co-founder

Vijay Mahajan, Co-founder

## **Board**

Ms. Anshu Vaish, Chairperson

Ms. Sushma Iyengar, Vice-chairperson

Mr. Pramath Raj Sinha, Member

Ms. Mirai Chatterjee, Member

Mr. Biswajit Sen, Member

Mr. Sanjay Upadhyay, Member

Ms. Smita Mohanty, Staff Member

Mr. Narendranath Damodaran, Ex-officio Member-Secretary and Executive Director

Pradan Global: <http://www.pradan.net/who-we-are/#ourboard>

## **Areas of Work**

Social Mobilization, Food Security, Managing Natural Resources, Livelihoods, Market Linkages, Governance

## **Geographies of Focus**

Mid India - Rajasthan to West Bengal

## **Description of Research Projects**

Nutrition-intensification intervention activities with women

## **On going:**

Producer Companies Linking Small Producers to Markets

Living Waters – Promoting Community Managed Micro Lift Irrigation Among the Poor

Promoting Tasar Yarn Production among the Rural Poor.

## **Partner Institutions**

UNICEF, Bill & Melinda Gates Foundation, WFP & others. Complete list [here](#)

**Funding Model**

Donations and CSR

**Contact & Social Media**

Address: #3, Community Shopping Centre, Niti Bagh, New Delhi - 110049

Facebook: <https://www.facebook.com/pradanofficialpage?ref=hl>

Email: [headoffice@pradan.net](mailto:headoffice@pradan.net)

Annual Report: <http://www.pradan.net/news-publications/statutory-reports/annual-reports-financial-reports/>

# Sri Sri Institute of Agricultural Sciences & Technology Trust (SSIAST)

**Brief Description:** The Sri Sri Institute of Agricultural Sciences & Technology Trust is established by H. H. Sri Sri Ravishankar with the main objective to provide opportunities in education, research and extension in different branches of Agriculture, Horticulture, Veterinary and Animal Sciences, Agricultural Engineering, Home Sciences, Forestry, Co-operation and Agribusiness and other allied fields.

**Established: 2008**

**Leadership Team:**

**Board: Sri Sri Ravi Shankar**

**Areas of Work:** Natural Farming/ Increasing productivity/ Climate Change

**Geographies of Focus**

**Description of Research Projects**

**On going:**

**(Paramparagat Krishi Vikas Yojana) – Karnataka & Maharashtra**

The Paramparagat Krishi Vikas Yojana (PKVY), an initiative to promote organic farming in the country, According to the scheme, farmers will be encouraged to form groups or clusters and take to organic farming methods over large areas in the country.

To avail the scheme, each cluster or group must have 50 farmers willing to take up organic farming under the PKVY and possess a total area of at least 50 acres.

The Paramparagat Krishi Vikas Yojna attempts to attain two ends -

Make clusters or groups of farmers to maximize resource pooling and cooperation.

Disseminate benefits to the greatest number of farmers and maximize promotion of organic farming.

it really is a more focused and targeted approach towards promotion of organic farming techniques and benefits

**RKVY(Rashtriya Krishi Vikas Yojana) – Andhra Pradesh & Telangana**

Department of Agriculture is implementing Natural Farming farming in 131 clusters to benefit 250000 small and marginal farmers in about 725 villages. A majority of farmers in these clusters are already practicing agro ecology approaches for more than 3 years. The major goal is to establish natural farming on a large scale to improve the productive efficiency of the natural resources and provide better and more livelihood options to farmers with special focus on small and marginal farmers, women, tenants, agriculture workers. This will improve farmers livelihoods and more important provided resilience towards climate changes.

Evolving suitable institutional systems for improving the livelihoods of small and marginal farmers in a sustainable manner by building capacities of the community based organizations of farmers, men and women, representing small producers to manage, sustain and promote sustainable livelihoods.

The program will have Cluster as a unit covering 2000 farmers per cluster in around 5-6 villages.

A total of 200 landless/single headed woman Poorest of Poor (PoP) families in each cluster will be supported to meet food security needs and also generate significant additional income.

A total of 200 Master Farmers will be capacitated so as to disseminate the NF practices within and outside the cluster.

The program will have an intensive implementation period of 3 years and a consolidation period of 2 years.

<http://www.ssiast.com/projects/ongoing-projects.aspx>

**Partner Institutions:**

**Department of Agriculture IGNOU**

**Funding Model: Grants/ Donations**

**Contact & Social Media:**

21st Km, Kanakpura Road,  
Udayapura post, Bangalore 560082 080-28432965  
srisriagri@gmail.com

# SSP

## **Brief Description**

Learning and developmental organization that empowers grassroots women to enable sustainable progress in underserved communities in India.

## **Established**

1998

## **Governing Body**

Mr. Adolph Furtado, Chairperson  
Ms. Prema Gopalan, Secretary  
Mr. V.C. Nadarajan, Treasurer  
Mr. Sampath Kumar, Member  
Mr. Nisheeth Kumar, Member  
Dr. Aravind Chinchure, Member  
Prof. N. Vinod Chandra Menon, Member  
Ms. Payal Randhawa, Member

## **Areas of Work**

Clean Energy, Water & Sanitation, Agriculture & Nutrition, Community Resilience, Preventive Healthcare Services

## **Geographies of Focus**

Gujarat, Maharashtra, Tamil Nadu, Orissa, Bihar, Assam

## **Description of Research Projects**

In 2014, the SSP began a small but significant movement that introduced the Climate Resilient Agriculture (CRA) method to help thousands of women like Shailaja.

The CRA method involves using adaptation and mitigation tools to build resilience to climate change. Besides increasing agricultural productivity and incomes, it helps ensure food security, provides a sustainable livelihood and reduces greenhouse gas emissions. As women become more financially stable, they diversify into other groups of businesses.

## **On going:**

### Women-led Food Security Agriculture

SSP has successfully piloted and scaled the One-Acre Model in partnership with Misereor Germany, which is currently being viewed internationally as a unique model by multiple development agencies.

SSP builds capacities of grassroots women's groups as innovators in sustainable agriculture. In climate threatened and disaster prone areas, these groups of women introduce innovative

practices like drought and flood-resistant crops, early crop varieties. They adopt and propagate organic farming methods. SSP's experience shows that women are most interested in making agriculture viable. They are keen on using basic agriculture equipment, adopting water-efficient, low-input farming methods. These groups are also experimenting with mixed farming and intercropping and are attempting to increase the cycles of cultivation.

### **Partner Institutions**

Misereor Germany, Ashoka- India, Government of Maharashtra, Maharashtra Rural Livelihood Mission, Great Eastern Shipping Company, Clearing Corporation of India Krishi Vigyan Kendra and [more](#).

### **Funding Model**

Grants and CSR Money

### **Contact & Social Media**

Address: Swayam Shikshan Prayog, Gayatri Building, Opp Orchid School (Gate 2), Balewadi Phata, Baner, Pune 411045, Phone: +91 20 20251356

Email: [sspindia1@gmail.com](mailto:sspindia1@gmail.com)

Facebook: <https://www.facebook.com/sspindia.org/>

Annual Report: <https://www.sspindia.org/wp-content/uploads/2017/09/SSP-Annual-Report-2016-17.pdf>

# Tata-Cornell Institute for Agriculture and Nutrition (TCI)

## **Brief Description**

Long-term research initiative focused on solving problems of poverty, malnutrition, and rural development in India. They believe linking agriculture to nutrition and applying a food systems approach is the critical strategy to tackle chronic and micronutrient malnutrition while addressing rural poverty.

## **Established**

1962

## **Leadership Team**

Dr. Prabhu Pingali, Founding Director

## **Areas of Work**

Food security, Sustainable agriculture, Nutrition

## **Geographies of Focus**

India

## **Description of Research Projects**

### Agriculture-led Growth Strategies

Increasing total household income and expanding food budgets are central to a household's ability to afford the quantity, quality, and diversity of food needed for complete human nutrition.

### Food & Micronutrient Programs

TCI is interested in understanding the effectiveness of the many food-based, micronutrient access programs currently being undertaken throughout the country by public and private entities. This includes biofortification efforts, public-private partnerships seeking to expand micronutrient access, and government safety-net programs.

### Nutrition Behavior Change

TCI seeks to improve and expand research methods and impacts for intra-household behavior change. They are exploring the use of women's self-help groups in creating behavior change at the community level. They are also studying emerging taste and quality preferences as rural populations get exposed to modern food value chains.

### Metrics on Ag-Nutrition

TCI has looked to advance a set of activities, including an expert consultation for identifying the minimum set of nutrition variables, which can be attached to agricultural, economic and other studies on human behavior or resource management.

## **On going:**

AguaClara: Clean Drinking Water Systems

Market-based Flour Fortification Project

Optimizing Soil Health

Technical Assistance and Research for Indian Nutrition and Agriculture (TARINA) Details:  
<https://tarina.tci.cornell.edu/>

### **Partner Institutions**

AguaClara  
BAIF Development Research Foundation  
Delhi School of Economics (DSE)  
Digital Green  
International Crops Research Institute for the Semi-arid Tropics  
International Food Policy Research Institute  
Maharaja Sayajirao University of Baroda  
Mahatma Gandhi Institute of Medical Sciences  
Professional Assistance for Development Action (PRADAN)  
Sight and Life  
Tata Institute for Social Sciences (TISS)  
Tata Trusts

### **Funding Model**

Grants & Scholarships

### **Contact & Social Media**

Email: [tci.cals@cornell.edu](mailto:tci.cals@cornell.edu)

Address: 375 Warren Hall, Charles H. Dyson School of Applied Economics and Management, Cornell University, Ithaca, NY 14853-7801, Phone: 607-255-4416

Website: <https://tci.cornell.edu/>

Facebook: <https://www.facebook.com/Tata-Cornell-Institute-1395626940508882/>

Annual Report: <http://tci.cornell.edu/wp-content/uploads/2017/12/Annual-Report-2017-Tata-Cornell-Institute.pdf>

# Vaagdhara

## **Brief Description**

VAAGDHARA is non government organization working for Child Rights, Sustainable Livelihoods and Facilitating the poor to voice their issues and concerns.

## **Established**

1986

## **Leadership Team**

Mr. Jayesh Joshi, *Secretary*

## **Board**

Mr. Brij Mohan Dixit, *Chairperson*

Mr. Jayesh Joshi, *Secretary*

Ms. Varsha Joshi, *Treasurer*

Mr. A.J.James, *Member*

Mrs. Anita Damor, *Member*

Mr. Sunny Sebastian, *Member*

Dr. Shachi Adesh, *Member*

## **Areas of Work**

Child Rights, Sustainable Livelihoods, Facilitating the poor to voice their issues and concerns

## **Geographies of Focus**

Southern Rajasthan

## **Description of Research Projects**

Identifying food diversity among the tribal and to bring together the indigenous knowledge and practices to promote Nutrition Sensitive Farming System. [Details](#).

## **Partner Institutions**

UNICEF, Save the Children, Welthungerhilfe etc.

## **Funding Model**

Grants and Donations

## **Contact & Social Media**

Email: [vaagdhara@gmail.com](mailto:vaagdhara@gmail.com)

Address: Village and Post Kopda, Banswara, Rajasthan, India. T: +91-2962-215161

Website: <http://www.vaagdhara.org/>

Annual Report: [http://www.vaagdhara.org/wp-content/uploads/2017/12/Annual\\_Report\\_2016\\_2017.pdf](http://www.vaagdhara.org/wp-content/uploads/2017/12/Annual_Report_2016_2017.pdf)

## Water and Agriculture Resilience Mission (WARM) Caritas

### **Brief Description:**

Caritas India had initiated reflections at various levels for developing strategies of drought intervention which culminated in the formulation of a mission called Water and Agriculture Resilience Mission (WARM), a Solidarity Response of the Church to Farmers' Distress in February 2017. The initial phase of the mission which has come to its completion in July 2018 calls for a review for further perusal.

**Established:** July 30 - Sept 30 2018

**Leadership Team:** Dr. Saju M.K., Zone Manager, West zone with the support of Mr. Joseph Fonseca, Finance Manager, West Zone, Mr. Melvin Pangya, State Officer, Maharashtra, Mr. K. A. Sebastian, State Officer, Madhya Pradesh and Mr. Mukund Deshmukh, Asst. Programme Manager, SABAL.

**Board:** Caritas International

**Areas of Work:** Farming Practice/Technology

**Geographies of Focus:** Marathwada

**Description of Research Projects:** From July 30 to September 02, 2018, a four days WARM review cum proposal finalization write-shop organized by Caritas India at Nagpur to empower CBOs as advocacy agents for addressing water security and community mobilization towards water governance and sustainable and climate resilient agriculture practices in around 30000 households in Marathwada, Vidarbha and Bundelkhand region. Majority of these households come under the category of marginalized farmers, women and youth from SC, ST and OBC communities. The eighteen months first phase of the programme has revealed eye-opening factors like it was instrumental in getting functionalized 310 Water Friends, digging/ renovating or cleaning 55 open wells, making or cleaning 165 soak pits, 79 farm ponds, renovating 39 damaged water bodies, making 3555 compartment bunds, besides nala bunds, check dams etc. On the agriculture front, it has inspired 409 households to start organic farming, 1064 households to start mix cropping or traditional farming using traditional seeds, 488 families to start kitchen garden beside getting planted 3710 fruit/ deep-rooted trees. All the more it is interesting to note that it has helped 3509 households/ people to mobilize Rs. 6,81,86,243/- through various govt schemes and programmes.

**On going:** <https://www.caritas.org/what-we-do/food/agriculture/>

**Contact & Social Media**

Head Office

Caritas India, CBCI Centre Ashok Place, Opposite to Goleedakkhana

New Delhi - 11 00 01, India

Fax:- 91 - 11 - 2371 51 46 /

2336 74 88

Website:- [www.caritasindia.org](http://www.caritasindia.org)

Phone: 91 -11 - 2336 3390 / 2374 23 39 /

2336 27 35

Email: [director@caritasindia.org](mailto:director@caritasindia.org)

<https://www.facebook.com/CaritasIndia>

# Welt Hunger Hilfe

## **Brief Description**

With a vision to have a world without hunger and poverty, Welthungerhilfe has been implementing several initiatives in rural areas of India and Bangladesh.

## **Established**

1962

## **Leadership Team**

Honorary Patron: The President of Germany, Frank-Walter Steinmeier

## **Board**

### **Supervisory Board:**

Bärbel Dieckmann, President

Prof. Dr. Joachim von Braun, Vice President

Norbert Geisler, Director Finance Committee

Amadou Diallo, Supervisory Board

Rita Lanius-Heck, Supervisory Board

Prof. Dr. habil. Conrad Justus Schetter, Supervisory Board

Dr. Tobias Schulz-Isenbeck, Supervisory Board

### **Executive Board:**

Dr. Till Wahnbaeck (CEO)

Mathias Mogge (Executive Director Programmes)

Christian Monning (Chief Financial Officer)

## **Areas of Work**

Food and Nutrition Security

Rural Livelihoods and Sustainable Agriculture

WASH and Water Security

Governance and Peace and Natural Resource Management

Climate Resilience

## **Geographies of Focus**

India

## **Description of Research Projects**

Welthungerhilfe links agriculture, natural resource management, education and economic development to enable citizens and communities to fulfil their right to adequate food and nutrition security.

**On going:**

Nutrition: To reduce the extremely high levels of undernutrition in the Jharkhand state, Welthungerhilfe and its partners are tackling some of the underlying causes in a project funded by BMZ. This includes organising community nutrition camps to provide training on the identification, care and treatment of malnourished children as well as training in agriculture, natural resource management and WASH activities to increase the variety of food available and improve mother and child health.

Economic Development: Welthungerhilfe and its partners are working with small-scale farmers, producer groups and small and medium food retailers to contribute to sustainable local food systems. Small-scale farmers in producer organisations are supported in the process to gain organic certification, improve storing, processing and labelling of their products and create new market linkages to retailers and wholesalers.

**Partner Institutions**

They partner with various Networks, Corporates, Foundations and Institutions. [Details.](#)

**Funding Model**

Donations and Partnerships

**Contact & Social Media**

Email: [info@welthungerhilfe.de](mailto:info@welthungerhilfe.de)

Website: <https://welthungerhilfeindia.org/country/india/>

Facebook: <https://www.facebook.com/Welthungerhilfe>

Annual Report: <https://www.welthungerhilfe.org/about-us/transparency-and-quality/annual-report/>

# World Bank : Sustainable Livelihoods and Adaptation to Climate Change

**Brief Description:** Sustainable Livelihoods and Adaptation to Climate Change

**Established:** December 2014 - December 2019

**Leadership Team:** Priti Kumar

**Areas of Work:** climate adaptation interventions

**Geographies of Focus:** India

**Description of Research Projects:** The objective of the **Sustainable Livelihoods and Adaptation to Climate Change Project for India** is to improve adaptive capacity of the rural poor engaged in farm based livelihoods to cope with climate variability and change. The project has 3 components. (1) Planning, service provision and implementation of climate change adaptation component will support risk assessment, planning, service provision and implementation of climate adaptation interventions. The key activities include: (i) community-led risk assessment and participatory planning of climate adaptation interventions; (ii) provision of strategic climate change adaptation services through knowledge assimilation and partnerships with resource institutions; and (iii) implementation of climate adaptation interventions in agriculture by community institutions (self-help groups/federations) utilizing the Community Climate Adaptation (CCA) grants upon approval of a community adaptation plan. (2) Scaling and mainstreaming community-based climate adaptation component will enable support and build capacity for the implementation of climate adaptation interventions, and to develop the strategy for scaling up. Key activities include: (i) capacity building of National Rural Livelihoods Mission (NRLM) national and state staff and creation of a cadre of Community Resource Persons (CRPs); (ii) building knowledge support system for climate adaptation including policy inputs for scaling-up of the community-based climate adaptation approach within the NRLM. (3) Project management and impact evaluation component will invest in: (i) establishment of climate adaptation units staffed with full-time professionals within the NRLM and the State Rural Livelihoods Mission (SRLMs) of the participating states; (ii) establishment of a monitoring system and evaluation arrangements (baseline, mid-term and end-of-term);

<http://projects.worldbank.org/P132623/?lang=en&tab=results>

**Partner Institutions:** Ministry of Rural Development

**Funding Model:** Department Of Economic Affairs, Ministry

**Contact & Social Media**

**Priti Kumar:** Senior Agriculture Specialist  
<https://in.linkedin.com/in/priti-kumar-095873157>

## II INDIVIDUALS

### Dr. Bhaskar Mitra from TISS

Dr. Bhaskar Mitra teaches at the Tata Institute of Social Sciences (TISS) and is the Associate Director of the Tata-Cornell Institute for Agriculture and Nutrition (TCI). Apart from teaching various courses at TISS, he is responsible for managing India-based operations for TCI. He is the TISS Representative to the Technical Assistance and Research for Indian Nutrition and Agriculture (TARINA) Steering Committee.

Areas of Work: Poverty and livelihoods, agriculture development, natural resource management, institutions (market-based and community-led), community-based natural resource conservation, and public policy.

**Email:** [bm465@cornell.edu](mailto:bm465@cornell.edu)

# Chewang Norphel

**Brief Description:** known as the Ice Man of Ladakh, is a civil engineer who has experimented in the field of agriculture and water conservation

## **Geographies of Focus: Leh/Ladakh**

**Description of Research Projects:** In 1996, Norphel joined the Leh Nutrition Project, a [non-governmental organisation](#), as project manager for [watershed](#) development. Norphel noticed a small stream had frozen solid under the shade of a group of [poplar](#) trees, though it flowed freely elsewhere in his yard. He realized the reason for this phenomenon: the flowing water was moving too quickly to freeze, while the sluggish trickle of water beneath the trees was slow enough to freeze. Based on this, he created artificial glaciers by diverting a river into a valley, slowing the stream by constructing checks. The artificial glaciers increase the [ground-water](#) recharge, rejuvenating the spring and providing water for [irrigation](#). He constructed them at lower elevations, so that they melt earlier, expanding the growing season. By 2012, Norphel had built 12 artificial glaciers. Norphel's largest glacier is the one at the Phuktsey village. It is 1,000 ft long, 150 ft wide and 4 ft in depth. It can supply water for the entire village of 700 people and cost Rs 90,000 to make.

## **Contact & Social Media:**

Chewang Norphel  
Project officer  
Leh Nutrition Project  
Ladakh-194101  
Tel-01982-52151

# Ramanathan

**Brief Description:** Ramanathan of Ganapathipalayam in Tamil Nadu advises for starting your own forest agriculture.

**Areas of Work:** Farming Practice i.e Agro-forestry

**Geographies of Focus:** Udumalaipatty, Tamil Nadu

**Description of Research Projects:** He grows nearly 1500 trees in an acre. Some of trees are useful as food source, some for burning purpose, some give fibres, some are useful for cattle-feed, some have medicinal value and others are root types. As they are grown like this, they support each other. As long as the saplings are young, watering should be done, say for one year. The forest agriculture starts yielding their own fruits after five years. After that there is no need for water or fertilizer. The benefits they give would be more than what one would get from annual crops

**Partner Institutions:** Honey Bee Network

**Funding Model:** Self

**Contact & Social Media:** Via Honey Bee Network

[http://www.sristi.org/hbnew/hb\\_inno\\_detail.php?page=1&search\\_case=agriculture&lang\\_name=en](http://www.sristi.org/hbnew/hb_inno_detail.php?page=1&search_case=agriculture&lang_name=en)

# Prem Prakash Sharma

**Brief Description:** Carrot Protects Wheat Crops: A creative method for the protection of wheat crop against nematode pests.

**Areas of Work:** Farming Practice i.e Pest control

**Geographies of Focus:** Jaipur, Rajasthan

**Description of Research Projects:** A method to protect the wheat crop against pests. Many farmers of Jaipur district in Rajasthan report that carrot plants prevent the infestation of nematodes in wheat crops. In this simple method, the farmers broadcast seeds of carrot along with wheat seeds. The carrot plants are removed during the first and second weeding when the wheat crop becomes established

**Partner Institutions:** Honey Bee Network

**Funding Model:** Self

**Contact & Social Media:** Via Honey Bee Network

[http://www.sristi.org/hbnew/hb\\_inno\\_detail.php?ID=KNW001000000777&lang\\_name=en&page=2&search\\_case=agriculture](http://www.sristi.org/hbnew/hb_inno_detail.php?ID=KNW001000000777&lang_name=en&page=2&search_case=agriculture)

## M M Gopal

**Brief Description:** Paddy seed drill: The seed drill helps is direct sowing of paddy seed through a unique conveyor belt mechanism specially designed for paddy seeds and transplantation of paddy.

**Areas of Work:** Mayiladuthurai Tamil Nadu

### **Geographies of Focus:**

Description of Research Projects: Sankaranarayanan has devised a paddy drill that has proved to an economical alternative to tilling. It ensures increased yield. This equipment consists of a 5.25" long and 0.5" wide PVC pipe which is connected with two 1.75" long diameter iron wheels on their lid. In the middle of the pipe, there is one hopper for seed filling. In this PVC pipe, 1 cm. diameter holes were made in a circular manner in a 10 rows at a interval of 20 cm. In the inner side of the pipe then is a conveyor belt extends to both side from the middle. And there is a long T shaped handle for pulling the equipment. While pulling this equipment, the seeds get conveyed from the hopper to holes in the pipe. The seeds fell through holes of an internal diameter of 10 cm.

**Partner Institutions:** Honey Bee Network

**Funding Model:** Self

**Contact & Social Media:** Via honey Bee Network

[http://www.sristi.org/hbnew/hb\\_inno\\_detail.php?page=4&search\\_case=agriculture&lang\\_name=en](http://www.sristi.org/hbnew/hb_inno_detail.php?page=4&search_case=agriculture&lang_name=en)

## M Thirumalai

**Brief Description:** A compact maize sheller has been devised with higher shelling capacity and which requires fewer people to operate compared to regular shellers.

**Areas of Work:** Rajapalayam Tamil Nadu

**Description of Research Projects:** M.Thirumalai has devised an improved maize sheller of increased shelling capacity, less labour requirement. The original sheller is operated by a tractor through a PTO shaft locally called a Yokenkeet. In the main shaft there is one bearing. The size of the ply wheel or pulley has diameter of 3/4. But Thirumalai found the speed of rotation unsatisfactory, and did some alterations. He provided 6 bearings in the main shaft where in the old type it was made up of just a hollow pipe. He increased the size of the ply wheel up to 1 diameter whereas in the old model it was 3/4. The improved machine can be transported by attaching cultivator links with the tractor where in the old model it was carried only through tractor trailer. It is also theft-proof, can be easily transported and has an enhanced lifespan.

**Partner Institutions:** Honey Bee Network

**Funding Model:** Self

**Contact & Social Media:** via honey bee network

[http://www.sristi.org/hbnew/hb\\_inno\\_detail.php?page=5&search\\_case=agriculture&lang\\_name=en](http://www.sristi.org/hbnew/hb_inno_detail.php?page=5&search_case=agriculture&lang_name=en)

# P Thirumaran

**Brief Description:** Farmer-friendly power tiller

**Areas of Work:** Farming Equipment

**Geographies of Focus:** Madurai Tamil Nadu

**Description of Research Projects:** Shri. Thirumaran a farmer from, Madurai District of Tamil Nadu encountered some problem while using his newly purchased tiller. He found that he need to modify the tiller to suits his needs. For example for taking the power tiller from one place to another, there was no provision for seating arrangements and also the power tiller could only be used for wet land ploughing and could not be used for dryland operations. He set about improvising on the tiller and made improvements in 1. Seating arrangements in the power tiller 2. Land leveller 3. Dry land plough 4. Non-jerking power trailer Initially nobody (including his family members/friends) encouraged him in the design of implements but he received a lot of appreciation after completion in his area. He is ready to supply these models or help others to design the same at any time. He is thankful to Mr. Chandran, the proprietor of Chandra Lathe Works, Chekkanoorani who helped him a lot at the time of developing his innovations.

**Partner Institutions:** Honey Bee Network

**Funding Model:** Self

**Contact & Social Media:**

[http://www.sristi.org/hbnew/hb\\_inno\\_detail.php?page=6&search\\_case=agriculture&lang\\_name=en](http://www.sristi.org/hbnew/hb_inno_detail.php?page=6&search_case=agriculture&lang_name=en)

### III APPENDIX

<b>Organisation</b>	<b>Areas of Work</b>	<b>Geographies</b>	<b>Year of Est.</b>
Agramagee	Food & Nutrition Sustainable Agriculture Environment protection, including biodiversity conservation & rejuvenation.	Odisha	1981
AME India	Improving farm livelihoods in drylands	Andhra Pradesh, Karnataka and Tamil Nadu	1982
BAIF	Agriculture and Food Security, Economic Opportunity, Energy and Environment, Health	Odisha	1967
Care India	Health Education Livelihood Gender amongst others.	Central India & TN	1950
CCASF	Climate Resilient Ag	Haryana	2011
Central Research Institute for Dryland Agriculture (CRIDA)	Climate Resilient Agriculture	India	1985
Climate Change Agriculture and Food Security (CCAFS)	Climate Resilient Ag	Haryana	2011
CropIn	Profitability and sustainable farming	India	2010
Dangoria Trust	Health & Nutrition, environmental outreach and sanitation.	Telangana & AP	1981
Global Alliance for Improved Nutrition	Food Fortification Nutritious food Financing Marketplace for nutritious foods & others	India	
Harvest Plus	Nutrition ,Crops, Bio-fortification	Maharashtra, Rajasthan, Uttar Pradesh, Bihar, Jharkhand	1993

ICCO	Agriculture Value Chain Development Food & Nutrition Security Impact Investments in Agribusiness	Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram, Sikkim, Odisha, Jharkhand	N/a
ICRISAT	Crop Improvement, Integrated crop management, Policies and impacts, ICRISAT Development Center, Plant Quarantine Unit, and Farm and Engineering Services.	India	1972
IFAD	Crops, Climate & Environment, Nutrition	India	1977
IFPRI	Fostering Climate-Resilient and Sustainable Food Supply Promoting Healthy Diets and Nutrition for All Building Inclusive and Efficient Markets, Trade Systems, and Food Industry Transforming Agricultural and Rural Economies Strengthening Institutions and Governance	India	1975
Indian Network on Ethics and Climate Change (INECC)	Climate Resilient Agriculture	India	
International Maize and Wheat Improvement Center (CIMMYT)	Food insecurity and malnutrition, climate change and environmental degradation.	India	1966
ISAP India	Sustainable Agriculture, Women Empowerment	India	2001
Isha Foundation	Agro forestry, Education, Organic Farming	Tamil Nadu	2007
LANSAs	Enabling Environments for Nutrition, Agri-Food Policies and Markets, Nutrition Sensitive Agriculture	Afghanistan, Bangladesh, India, Pakistan, South Asia	2013

Living Farms	Establishing a sustainable agricultural model, Achieving food security and health, Regenerating the forests	Odisha	2005
MS Swaminathan Research Foundation	Coastal Systems Research, Biodiversity, Biotechnology, Ecotechnology, Food Security, Information Education Communication, Gender & Grass-root Institutions, Climate Change	India	1988
National Innovations in Climate Resilient Agriculture	Climate Resilient Ag and Productivity	India	2010
Payir	Sustainable Farming, Health & Sanitation, Nutrition, Education, Governance, Skills & Livelihood	Tamil Nadu	2005
PRADAN	Social Mobilization, Food Security, Managing Natural Resources, Livelihoods, Market Linkages, Governance	Mid India - Rajasthan to West Bengal	1983
SSIAT	Natural Farming	India	2008
SSP	Clean Energy, Water & Sanitation, Agriculture & Nutrition, Community Resilience, Preventive Healthcare Services	Maharashtra mostly	1998
TCI	Food security, sustainable agriculture, nutrition	India	
Vaagdhara	Child Rights, Sustainable Livelihoods, Facilitating the poor to voice their issues and concerns	Southern Rajasthan	1986
(WARM)- Caritas	Climate Resilient Ag	Marathawada	2018
Welt Hunger Hilfe	Food and Nutrition Security	India, Bangladesh	1962
World Bank : Sustainable Livelihoods and Adaptation to Climate Change	Climate Resilient Ag	India	2014