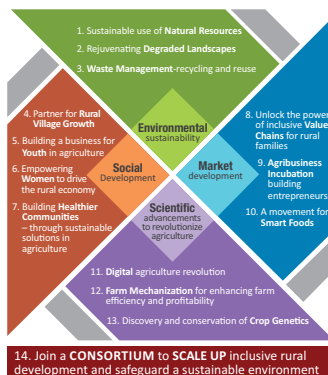


For sustainable development why focus on...



Environmental sustainability

Nothing will operate without the sustainable use of water, soils, land and energy.

This is the basis for any industry to survive – water, soils, land and energy. Whether it is natural resources for industrial use or community use – it is critical for any sustainability. This is not about conservation but about sustainable use.

Environmental sustainability is critical to work within communities – building a positive reputation.

Social development

Agricultural success is necessary for rural communities to be able to afford health and education and for the country's food security – agriculture is the basis of all this.

The success of agriculture is critical for the survival of all rural communities (half the population), and to feed the whole population.

Empowering women will make the largest difference to the whole family and avoid the most dramatic of human abuses.

Engaging youth is critical for the long term viability of agriculture.

Malnutrition in rural areas needs to be tackled at the source – agriculture and rural communities.

Market development

Markets are core to economic growth.

Working the whole agricultural value chain is needed for profitable viable success.

This not only enables farmers to have access to required inputs but also brings their products to market in an efficient and effective way.

Building entrepreneurial skills and agribusiness are key part of developing value chains.

Untapped opportunities exist for the value chain of Smart Foods.

Scientific advancement

Innovations will lead to major developments and revolutions.

Some of the key areas we know that can revolutionize the profitability of agriculture are ICT, on-farm mechanization and genomics.

Why take a science-backed approach

Science backed solutions and implementation mean greater success and more sustainable solutions.

Our science backed approach is the biggest difference from other development initiatives.

Our approach includes:

- Science-backed solutions as well as implementation
- Collaborative community-led approaches to achieve adoption
- Strong partnerships internationally, with government and on-the-ground
- Using time-bound measurable targets – real-time monitoring and evaluation

About **ICRISAT** and the **DC** **ICRISAT DEVELOPMENT CENTER**

ICRISAT is an international non-profit organization that undertakes **scientific research** focused on making agriculture profitable, overcoming

♦ poverty ♦ malnutrition ♦ environmental degradation

ICRISAT has **specialized knowledge on the drylands**, which covers 55 countries in Asia and Africa and are inhabited by 2 billion people, 644 million of whom are poor. These regions are most vulnerable to climate change, subject to droughts, degraded soils and poor social infrastructure. ICRISAT also has specialized skills on crops that survive best in the drylands – nutri-cereals (millets including sorghum) and legumes (chickpea, pigeonpea and groundnut)

The **ICRISAT Development Center** is the arm that focuses on **implementation and large-scale adoption** of scientific advancements. We also apply scientific research while undertaking the implementation thus ensuring sustainable solutions

Our role is a catalyst to make things happen and to provide technical back stopping.

Our capabilities

- ♦ **Multidisciplinary high-class science** – from natural resource management, genetics, bioinformatics and phenotyping to economics and social science.
- ♦ **On the ground in Africa and Asia** – with offices in India (global headquarters), Kenya, Malawi, Zimbabwe, Mozambique, Ethiopia, Mali, Niger and Nigeria.
- ♦ **Strong networks** – we work in partnership at all levels: local, national, regional and international.
- ♦ **Participatory methods** – have been developed and are used as part of our work, involving the farmers through to the government and private industry where change is needed.
- ♦ Recognized as **independent** – as an international non-profit, non-government and non-religious organization that has worked in Asia and Africa for over 40 years, our scientific and independent credibility are well founded.

Some of our partners in sustainable development:



**International Crops Research Institute
for the Semi-Arid Tropics**



About ICRISAT: www.icrisat.org



ICRISAT's scientific information: EXPLOREit.icrisat.org

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