Regenerative Agriculture for Climate Resilience and Rural Prosperity

Transforming Agriculture to Heal Land and Strengthen Livelihoods

Why invest in Regenerative Agriculture

Regenerative agriculture is an innovative and nature-based approach to farming that goes beyond sustainability. It focuses on restoring and enhancing the health of soil, ecosystems, and rural livelihoods. By integrating traditional wisdom with modern agroecological practices, regenerative agriculture rebuilds soil organic matter, promotes biodiversity, improves water retention, and reduces dependence on chemical inputs.

This approach not only increases farm productivity and profitability but also helps combat climate change by sequestering carbon in the soil. It empowers farming communities to become more resilient, self-reliant, and ecologically responsible, making it a vital solution for long-term food security and environmental restoration.

It offers a nature-based solution to systemic rural challenges:

Soil Degradation

- Over 50% of farmlands are losing fertility.

Climate Risk

- Irregular rainfall and dry spells are damaging

Dependence on Chemical Inputs

- Rising costs are pushing small farmers into debt.

Loss of Indigenous Knowledge

- Traditional wisdom is being eroded without integration into formal systems.

What Are We Proposing?

It is designed around **five pillars of implementation:**

Soil & Water Regeneration

- Soil testing, organic amendments, mulching, and vermicomposting .
- Construction of bunds, ponds (dabris) in community areas.

Farmer Capacity Building

- Participatory farmer-led learning through practical, experience-based methods.
- Gender-inclusive training modules with SHG convergence.

Community Seed Banks & Bio-input Units

- Preservation and multiplication of native seed varieties.
- Local production of biofertilizers and biopesticides.

Behavior Change & Knowledge Sharing

- Farmer Champions to drive peer-learning.
- Visual storytelling, IEC campaigns, and agro-fairs.

Convergence & Policy Linkages

- Integration with **MGNREGA.**
- Monitoring via community scorecards and participatory MIS.

Why Kabirdham?

Agrarian Dependency

Over 70% of Kabirdham's population depends on agriculture, yet faces declining productivity due to soil degradation, water stress, and unsustainable practices.

Vulnerable Farming Communities

A high proportion of smallholder, and women farmers with limited access to regenerative knowledge, technologies, or institutional support.

Ecological Fragility

The region shows increasing signs of climate vulnerability, including erratic rainfall, poor soil health, and reduced biodiversity—making it a priority for nature-based interventions.

Lack of Sustainable Models

Existing farming methods rely heavily on chemical inputs, with minimal integration of low-cost, regenerative solutions—highlighting the need for demonstrative models.

Critical Water Deficiency

Irregular monsoon patterns, groundwater depletion, and insufficient irrigation infrastructure, leads to recurring water stress and reduced crop security.

Potential for Scalable Impact

Kabirdham's strong community networks, SHGs, and Panchayat institutions create an enabling environment for participatory and scalable agricultural innovations.

Strategic Alignment

The project aligns with state and national goals for sustainable agriculture, and rural resilience—making Kabirdham a strategic pilot district.

How can we create a tangible impact ?

It will drive measurable change in regenerative agriculture by improving productivity, sustainability, and farmer resilience.

- Enhanced Soil Health
- Reduce Water Usage
- Farmer Livelihood improvement
- Promote Carbon Sequestration

Why Partner With CAS?

- **18 years of expertise** in rural development and institution building.
- Deep-rooted **community trust** with strong convergence with government departments.
- Strategic partnership with **Commonland Foundation** for landscape restoration in Kabirdham.
- Active member of the **CHiRP coalition** network and working alongside **UNICEF** and other partner organizations.
- Technical support from institutions such as **NIPHM** (National Institute of Plant Health Management) and **IGKV** (Indira Gandhi Krishi Vishwavidyalaya).

Your Investment

Your investment will support critical interventions aimed at building climate-resilient farming systems. Funds will be utilized for constructing bunds and community ponds to enhance water conservation, conducting soil health testing for precise nutrient management, and promoting composting and organic amendments to restore soil fertility. Additionally, training and awareness programs will empower farmers with regenerative practices, ensuring long-term sustainability and improved livelihoods.

Call to Action

We invite funders, CSR partners, and development agencies to co-invest in the scalable model for sustainable agriculture and resilient livelihoods. With strategic investment and partnership, this initiative can transform degraded farmlands into thriving ecosystems and secure a better future for both people and the planet.

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