

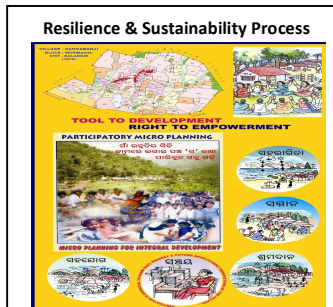


Annual Activity Report:2021-2022

25 Years 1997- 2022 of working relationship with Community & Multiple stakeholders' engagement for a system change and Special reference to influence Policy to address the systemic risk of COVID-19 & cascading climate crisis of recurrent disasters in Saving Lives with lot of Readiness Response & support strengthen to youths skill building, FPOs, women collectives for localizing action in scaling Food Systems, Local Biodiversity Conservation towards Livelihoods Resilience, Adaptation, Climate Justice with added action on green & renewable energy to minimize carbon Foot prints, circular economy and strengthening social entrepreneurs along with connecting education system & health systems are very much challenging : A reflection

UDYAMA

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Udyama



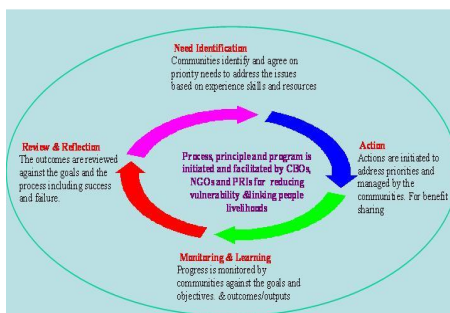
25th years Commitment for Community Action (1997-2022) towards Resilience & Recovery

The Year 2022 is the year of celebrating 25 years of UDYAMA. This is the year of reflection on the way we did, are doing and future we want to do & do to more taking huge learning and going back to deeper roots for resilience & recovery. This thoughts to adapt with challenges to co- to realigning with systemic climate induced disasters and achieving SDGs. This is the year to re-strategize of mode of operation, reorganize, reshape team with a repurpose renewed mission to address multiple planetary crisis having greater bearing on local impacts on lives, livelihoods & lifestyle with environmental & program sustainability since issues & initiatives are interconnected.

This is time to have a timely development reflection to rejuvenate local resource base in order to address global goals like global warming, climate change, pollution, land & biodiversity degradation, food & water & nutrition, education, sanitation hygiene, immunity boosting and circular



We Believe in Keep on working thru Action-Reflection-Action



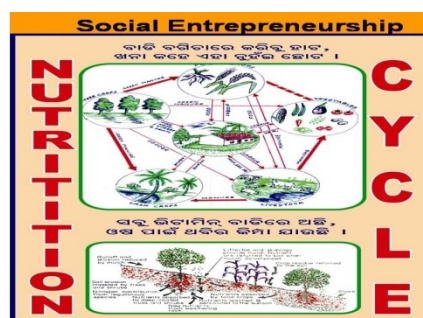
Model Building: Community led, managed, controlled and integrated with panchayats in terms of design, implementation and develop a process for conflict resolution of ANRM with backward & forward linkages that leads to vulnerability and holistic development.
 Promote diversification for better resource for multiple livelihood empowerments.
 Increase choices for social exclusions and the resource poor who are typically engaged in distress migration and other vulnerability reside in rural coastal and urban region.
Capacity Building of smaller CBOs & NGOs for building approaches and dissemination and development of good practices to other areas through training, exposure visits and workshops.
Institution building and enabling environment -formation of local regional and national networking with similar groups and organization with an objective of enabling environment and wider replication and scaling up for reducing vulnerability.
Partnering with varied institution and organizations for value addition, developing linkages, scale up and fine the process to reach the reach out with an intention of reducing vulnerability and leading to livelihood promoting simultaneously to reconstruct a solid institution building.
Demystification of technology ICT with appropriate and creative use to enhance income & livelihood support system to mitigate recurrent disasters

is the year of manifestation of new emerging development prospects & create, to set our commitment and changes of risks and cascading



economy & development .The interconnected programs are to focus on sustainability of environment richness with economy under sustainable consumption & production strategies with added contemplation with nature positive initiatives towards in creating pathways for living soil as soil generates 95% of foods, absorbs water & carbon . UDYAMA has tried best to find doable nature based solutions & actions with added innovation, inclusiveness, deepening governance & skill transformation, digitisation, maximizing social entrepreneurship, look forward to sustainability in scaling social entrepreneurship for better,

empowerment, income and sustain ecology with more integrated perspective, that will unite the concepts of economic development with cross sector integration for people & planet: the future we want. The broader objective will be towards strengthening and building capacities of local communities towards rejuvenating & building human, ecological, social, economic capital rejuvenation & well-being improvement with a view to changing the culture of resilience in blending with technology with well-articulated development communication to address next development challenges of climate crisis . Above all we express our sincere gratitude to our community , contributions, donors, supporters , mentors are with us in community development & process during distress, disasters, hazards and crisis in COVID-19 pandemic and help us hand holding , guidance in providing pathways for wellbeing improvement & enabling environment to develop social infrastructure for capital regeneration. [Udyama | 25 years with community - Search \(bing.com\)](https://www.bing.com/search?q=Udyama+%7C+25+years+with+community+-+Search+(bing.com)&cvid=1fb08e86b7ae40fb8b0f8328b6518674&aqs=edge..69i57.1807j0j1&pglt=43&FORM=ANNTA1&PC=EDGEDB)
[https://www.bing.com/search?q=Udyama+%7C+25+years+with+community+-+Search+\(bing.com\)&cvid=1fb08e86b7ae40fb8b0f8328b6518674&aqs=edge..69i57.1807j0j1&pglt=43&FORM=ANNTA1&PC=EDGEDB](https://www.bing.com/search?q=Udyama+%7C+25+years+with+community+-+Search+(bing.com)&cvid=1fb08e86b7ae40fb8b0f8328b6518674&aqs=edge..69i57.1807j0j1&pglt=43&FORM=ANNTA1&PC=EDGEDB)



Micro-Macro linkage promotion with Source To Destination, Farm to Fork Unskilled to Skilled, Empowerment to Entrepreneurship: Small is Big Concept

UDYAMA, an enabling Development Organisation, derives its name means an 'attempt' or 'effort' steadily aimed towards desired outcomes. In our case, the small effort has been made in building a resilient society that is perpetually equipped for meeting current and next development challenges

Founded in 1997, **UDYAMA** primarily aims towards strengthening and building capacities of local communities towards enhancing adaptation to vulnerability and changing the attitude of dependency to that of self-reliance. **UDYAMA's** role is focused on strengthening capability building exercises, onsite consultation and using participatory tools on community resilience

- Linkage Skill with source destination for dropout youths
- Linkage with Local Agri-Products other markets by FPOs
- Linkage with Value added products with consumers
- Linkage with Local Business other business persons
- Linkage establishment with entrepreneurs
- Linkage with Knowledge as tool to transformation
- Linkage with green procurement for innovation
- Linkage Water acts connector to farming & non-farming sector
- Micro-Macro linkage Partnership & Networking with local, national, regional & Global Community



We are very much delighted to share with all that **UDYAMA** is turning 25th years in June 2022. On account of this occasion, we invite all to help support and facilitate to fill the critical gaps, during implementation, to reunite & recapitulate and celebrate together at 25th year celebration on how UDYAMA has ventured to undertake to fulfil commitments for community action, micro-initiative for macro linkages for better economies, social action with measurable impacts & scaling beyond targets in highlighting strategies undertaken to address distress migration, climate refugees, global ecological threats like climate change, disasters, Covid-19, health crisis including reducing local food baskets, land degradation and biodiversity loss having local impact food, water & nutrition insecurity and immunity boosting.

UDYAMA, as enabling Development Organization has been facilitating small efforts with a big dream towards a resilient society that is capable of mitigating the current development gaps while sowing the seeds of positive change, nurturing to grow and meeting the next development challenges. Thus, our vision lies in the its value for safe, secured, specific, scale, SMART and sustainable (**SSSSSS**) efforts that UDYAMA has been trying to bring about the desired change in building a **Resilient Society**. It is an occasion to commemorate 25th years of UDYAMA to renew our commitment with added force for stronger resolution for community richness, people, partners and the planet to deepen our outreach in connection with better preparedness, issues and resource mapping, readiness towards resilience, response to quick recovery from recurrent vulnerabilities and other planetary crisis in partnership in engaging multiple stakeholders for inclusiveness and bringing innovations in income diversification, health of land, people and planet.

Since inception in 1997, UDYAMA has been working to empower women, farmer's collectives and vulnerable sections of society with development justice. Not just by giving them a platform to build their capacities, but also through multiple projects, programs, influence policy advocacy initiatives guided towards making communities connect together with mainstream society, development practices to achieve SDGs in building capacities of local communities towards building well-being improvement with a view to changing the culture of resilience in blending with time honored improved technology transformation with well articulated development communication to address next development challenges.



Counseling & Onsite Interaction On Resource Conservation



Odisha is a state of having multiple pandemics both critical climate crisis, health & boosting immunities issues. It needs multiple hands, hearts and heads, science and art of application with technological innovation, and inclusiveness that UDYAMA has tried best to reflect in partnering with various institutions and organisations. In this context , We express our sincere gratefulness for the partnership with Government, Non-Government, International, donors, Inter-governmental-organisations, Foundations, Trusts , business houses & corporate , individual volunteers for extending timely support has been a crucial part of scaling recovery effort during pandemics , whereby self-motivated youths , individuals with specific skill sets are augmented in need and, thus the transformation exchange happens to empower dropout youths and adolescents making social entrepreneurs & change makers a successful.

As an enabling catalytic Development Organisation, **UDYAMA**, has been a big dream towards building a resilient society that is perpetually equipped for meeting current issues and address next development challenges. In doing so, the process of choice has been building 'Community Resilience' towards enhancing adaptation to vulnerability and changing the attitude of dependency to that of self-reliance that efforts have a significant influence on the lives & livelihoods & changing the lifestyle of the poor in both rural and urban settings with a lasting solution to risk informed disaster resilient development and adaptation to climate change vulnerabilities through a process of participation, learning and positive action. In addition, **Udyama** has embraced integrated and convergent action, embedded into the community-led programmes for mitigating related issues to address broad based livelihoods.

Our approach aimed at to play as a catalyst to support people to minimize loss, damages, vulnerabilities due to cascading disasters or and develop social infrastructure for better adaptation, recovery , looking beyond.

- Prepare for, plan to withstand , recover from stresses, shocks,
- Take in hand root causes of systemic risk , impacts
- Adaptive Action Research , entrepreneurship , Sustainability

UDYAMA follows four strategic directions towards fulfillment of the stated Vision and Mission:

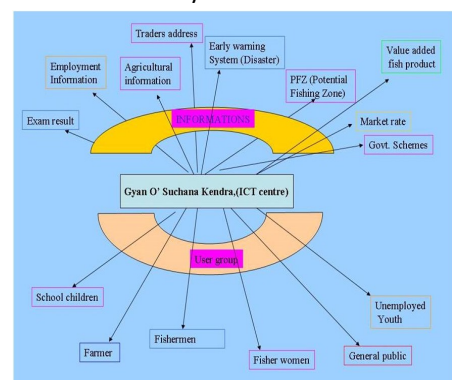
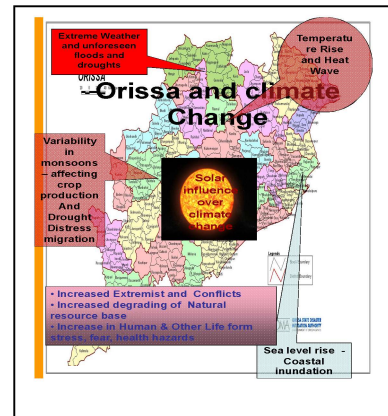
- Stakeholder **Partnerships** (Affiliations & Alliances)
- Promotion of alternative and local-specific development through **Local action & localisation process**
- Facilitating an **enabling** environment for risk reduction and livelihood promotion; and Resilience & recovery
- Program **diversity** with value based assurance and insurance,
- Risk transfer & income diversification, value addition

Towards fulfillment of these strategies, Udyama pursues the following key activity verticals:

- Science led Landscape advancement linking water-culture-nature
- Ecosystem based DRR & Nature based model building
- Local biodiversity conservation & Life cycle & nature based actions
- Livelihoods Resilience interconnecting with sustainable food systems, WASH Nutrition , Health, Hygiene & Environmental Education, sustainable green procurement& Tourism, sustainable lifestyle under SCP
- FPOs Promotion , Women Collectives & value addition
- Life Skill Development, Entrepreneurship for
- Technology Transfer on Green Energy ,circular economy
- Citizen action on Climate Justice & City Resilience
- Digitization & uses of ICT, Technological Innovations
- Adaptive Research, , Studies, Knowledge Management
- Support Services & Networking, Institution building,

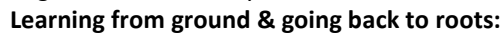
Our Value System: UDYAMA attempts consistently to stem the rot & build back better & capital building that can rejuvenate the resource base for a sustained process to live the community with dignity & address Next Development Challenges for a lasting solution towards resilient development & ecological Sustainability.

Affiliations & Alliances: With our steady and sustained effort on resilient development process, UDYAMA has bagged UNECOSOC status, Accredited to UN-Global Compact, UN-CONGO, UNISDRR, 10YFP-UNEP,CTCN UN STP, UNSBC,UNSFs, UNFCCC, GEF, UNCCD,CIVICUS, ESP, WOCAT, UNURBAN GATE-WAY, Global Citynet ,GWP ,UN FAO,IFAD, GCF, stakeholders 'forum, NIOS, GoI-NPO ,End Water Poverty, S2S, TISS-CSR HUB, IICA, FICCI, CII, WCC,, weAdapt, CANSA,GNDR, ACCCRN, WSSCC,CAC End EWP, SAMHITA, SWA, CAF, GCF,CDRN, AADRRN, GACC, CLEAN ,SPHERE-India. WBA, Cataly2030, C4C, Water-Allies and many



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It is one of the record-breaking years of readiness with an outreach of expanding to 112000 in providing vaccine directly, social protection, scaling CAB Protocol connecting huge vulnerable resource poor communities in aspiration districts like Balangir, Nuapada, Dhenkanal, Baragada, Nayagarh, Sambalpur & Sonepur more than ten lakhs indirectly. This is as one of the largest direct outreach in saving lives and undertaken massive social protection initiatives. Besides above there was sincere campaign on social protection in leveraging resources on climate justice, Local biodiversity conservation, prevention of land degradation & Food Systems in Coastal districts & western districts impa



A photograph showing a man in a white shirt and a yellow face mask handing a stack of Indian Rupee banknotes to an elderly man in a yellow shirt and a white face mask. They are standing in front of a red banner that reads: "AAR Support Program to Mitigate Impacts during this COVID-19 Pandemic", "Date : 06-07-2020", "Place : Kanamunda and H...", "Vernor : Turekela & Murab...", "District : Bellary".

A photograph showing three individuals standing in front of a wall. On the left, a woman in an orange sari holds a white certificate. In the center, a man in a red and white striped shirt and a white dhoti holds a white certificate. On the right, a woman in a dark blue sari holds a white certificate. The wall behind them has Odia text, including 'ନିର୍ବାଚନ' (Election) and 'ଅଧିକାରୀ' (Officer). There is also a logo of a person's head on the left side of the wall.

To Extend support for various COVID Appropriate Behaviour Protocols

To facilitate training and capacity building especially in the area of Psychosocial care to all frontline workers is with the help of NIMHANS (National Institute of Mental Health and Nero Science).

To engagement of local Partner NGOs in Community Based Covid Preparedness)

campaign to strengthened the network force in extending support to local administration as it is one of the added on activities in community development .

This high is time to undertake massive social protection measures, engaging multiple stakeholders in a mission mode for income diversification towards adaptation to changes. This mission needs stronger campaign & advocacy for influencing policy for practice & program integration convergence, compassion in meeting



present need and contributes to address demands of communities in long run. That will be carried with deeper collaboration with mainstream Government health care system & district administrations, PRIs & community

In the Bhela panchayat under the Nuapada district there living 30 numbers of primitive tribes (PAHARIA community) during the pandemic, they have faced so many difficulties of prolonged Corona fever for their livelihood and other daily needs. 30 households were affected in covid19 in the second phase. 5 nos head of the family died due to covid and miscommunication by quacks. CAC, UDYAMA VaxNow team organized a meeting in the village with villagers, PRIs, AWW, Asha Karmi, women and people for the vaccine. Thanks team for great



Initiative on vaccination drive in the village. Sramanand Majhi with their small family in Jhinkipada(malpada)village of Bangomunda block under Bolangir District. He is a very poor and about 0.50 acres of lowlands and impacted seriously during the pandemic facing difficulties and affected his livelihood and unemployment. Due to Fear and fake rumours of vaccination it was not possible to cover under drive. There were four vaccination camps that vaccinated the community people but he did not vaccinate until belief and misunderstanding were changed by the staff of 'VaxNow'. Finally entire village was vaccinate with due dignity and clarification on myths So, he decided to take the vaccine and suggested others too



Older adults were more likely to get very sick from COVID-19. The risk had increased for people above 50s 60s, 70s, and 80s. People 85 and older were impacted lot. One of the older widow females near age 82, named Parbati Kumbhar village Ghunsar of Khaprakhol Block in Bolangir District under Odisha. Her family consists of five granddaughters and one grandson. Recently her husband, son and daughter in-law died during the covid second wave. she has taken the responsibility for the family in her old-aged situation. Widow women received some stigma fear from the village people on the covid vaccine. she was not interested to take vaccines due to the single income person of the family hoping some other crisis may be raised. all the frontlines, Asha, AWW requested for vaccination. but she doesn't agree with vaccination. Our team volunteer Mr. GulapNial went to gram panchayat and request to sarpanch for 30 kgs relief rice for her family. sarpanch took the relief to widow women 30kgs rice and both are requested to Covid vaccine. She was convinced of vaccination and vaccinated the first dose on 31/12/2021

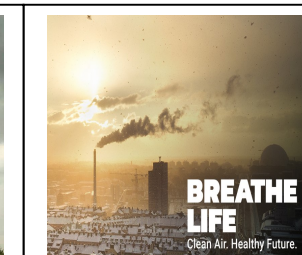
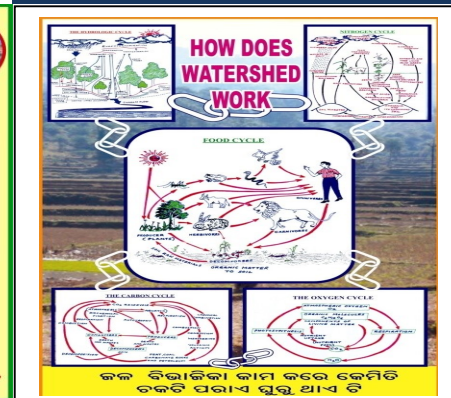
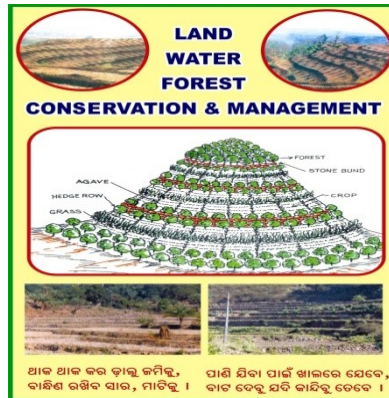


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Climate Justice towards Resilience Building, Recovery and Rejuvenating Resource Base & Watersheds:

Now risks are systemic, and crises are cascading. Disasters are rapidly producing further disaster to become more complex and deadly. Everyone is affected, but not everyone is affected equally. The elderly, people living with disabilities, migrant workers, women, children and the poor and marginalised are most vulnerable. The only solution is prevention, protection & provision. The world is facing a triple 'pandemic' of climate change, biodiversity loss and pollution and other crises. We have already exceeded several thresholds critical to a stable and functioning planetary system, and we are currently on a pathway to overshooting dangerous tipping points, with irreversible

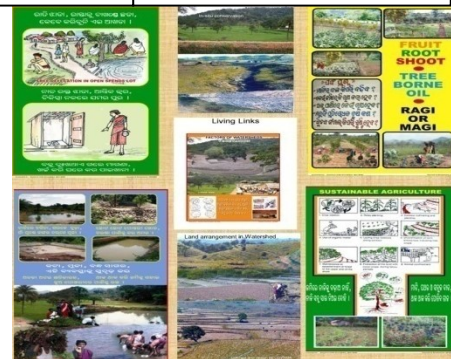
consequences for all life. Without addressing these underlying causes, we are on a collision course to disaster. We therefore call governments, UN entities, civil society, as well as our own constituencies to act for whole system not in part nor piecemeal in accomplishing resilience processes. Because Calamities and rising temperatures push millions



into poverty, and those least responsible for causing climate change are the hardest hit, and often the most ignored. Considering the issues in grave and grim, Stimulus measures must be focused on green recovery and low-carbon investment, UDYAMA has been advocated consistently to influence policy with multiple stake holders to 'build back better' by addressing the climate crisis and biodiversity loss, and in particular its impact on marginalised and excluded communities, farmers migrants, women youth. COVID-19 recovery packages present a major opportunity for the world.

Looking Ahead & Forward for beyond climate crisis:

Act Now & call for action. To open up for better convergent action and partnership in managing crisis together with a purpose of inclusiveness to add value to mainstream programming for better impact



Diversity, Inclusion, Gender , Innovation & Equality:

To achieve Sustainable Equality two bold responses are needed i.e diversity & Inclusiveness:

Essence is to bring more inclusion , innovation & partnership in working together with new idea, knowledge, learning that will bring resources and breaking the barrier of sectarian approach to cluster approach. that will create a pathways to development for all & no one behind as issues are interconnected in process and programs.

Solutions are needed across sectors integration such as water, sanitation and hygiene; education; health and nutrition; livelihoods; women, child and social protection, business for social good. Recovery must seek to build the resilience of public and private engagement, and planning must start to act now, call for action. The challenges presented by this disaster will form the basis for new plans



and designs to ensure public and private engagement are made resilient in the face of future hazards.

Ensure the better engagement human entitlement to nutritious food and safe water and sanitation, including clean air for all in a healthy environment; pollution free ,Implement the to a clean, healthy and sustainable environment initiatives as a key step towards achieving sustainable development, poverty eradication, inclusivity and gender equality & better well being & wellness

Amplify the voice of women and girls in all their diversity income as important stakeholders of climate solutions and climate finance.

Raise awareness of concerns around carbon offset/nature-based solutions that can lead to abuse of land and rural people.

Mr. Bhubana Mahanand s/o Sri Kishan Mahanand from Nanajhar village of Maninga Grampanchayat of Titlagarh Block. His educational qualification is undermatric. He was working in Titlagarh Radhamohan motorcycle garage without any remuneration except fooding. He has taken admission in motor cycle repairing training provided by UDYAMA organization. He use to come regular and learned the methods and technique of motor cycle repairing during the four months. after the training for first few months his daily income was Rs. 300/- Now he is well equipped and earning better amount of Rs 3000 per day from the same garage. He said that in future he will learn more about the motor cycle repairing and make himself capable enough to get employment in Automobiles Company and become a very well skilled motor cycle mechanic. He is very grateful to UDYAMA for providing two wheeler repairing training.

Myself Jayanti Nag (19) from Sargiguda village of Titlagarh Block. I belong to a very poor family. I have 3 three sisters and one brother. My father is a weaver (bamboo). He is selling all bamboo products in the weekly market. He was the only bread earner. Our entire family was depending on him on all aspect. When I came to knew that UDYAMA organization have started a skill development Training Centre. So I immediately took admission and completed successfully the 4 months Tailoring Training. Presently I am engaged in one of the lady tailoring shop of Titlagarh and earning Rs.700 rupees in a day. Now I feel very happy because I am supporting my family. Gradually I am able to stitch different types of ladies garments. I hope and believe in the coming days to start my own shop and earn a days.. So I am very much thankful to my trainer and UDYAMA for providing this opportunity to earn our livelihood.

Mr. Kadendo Dhar Seth (26) S/O Chakradhar Seth and Mr. Saroj Behera (35) S/O Lokanath Behera from Swadhin pada village of Titlagarh Block. Both are educationally Undermatric. Their family economic status was very miserable. These two man were use to go for wage labour in construction sector and earning Rs. 250 daily. When they got information about the Plumbing and mason Training of four month in



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UDYAMA office at Titlagarh. They had enrolled in the Plumbing trade and completed the theory and practical classes. Now their average daily income is about 100-120 in a days. They are intimate friends (partner). So Presently they have taken a building (work cost of 20000/-on a contract basis) to setup all plumbing work. They are able to manage their family their present economic status is increasing. In future both have planned to take many plumbing work in construction sector on contract basis. They are expressing their gratefulness to the organization as the plumbing training is very useful and became a good source of income.

Petu Bhatra (25) and Jagdu Barik(30). They are having wife and children. Both were working as wage labour under a construction contractor and earning Rs. 60-70 in days before skill development training. They took admission in Masson trade organized by UDYAMA in Titlagarh. After the training for six months they were working as a 2nd class mason under the same contractor and use to earn Rs. 300 rupees per day. But now they are treated as class 1 mason and earning Rs 550-600 a day. They hope in the coming days both will become a full fledged Rajmistri and earn very good amount of Rs.400-500 a days .

Farmers Producers Promoting Organisation: Linkage establishment of local products with other market on revenue generation and value addition under sustainable food systems , healthy diet & nutrition & Income

- Ghantasuni Agro Producers Company Ltd, Titlagada Balangir
- Saintala Agro Producers Copmany Ltd , Saintala, Balangir
- Odagaon Agro Farmers Producers Company Ltd, Odagaon, Nayagarh
- Chashi mitra agro Producers Company Ltd., Kural, Odagaon, Nayagarh
- Dasapalla Farmers Producers Company Ltd, Dasapalla, Nayagarh

FPO promotion Under the principle of Sustainable Consumption & Production framework:

UDYAMA has proven track record towards development initiatives particularly resource conservation and mobilization working with networks and various stakeholders. Since there has good synergy to begin with we have worked together with more than 45 Partner NGOs engaging multi stakeholders initiative for end water poverty, Deepening governance on food , water, WASH & leveraging resourced for better well being improvement through both INRM & integrated Micro- Business /entrepreneurships to minimize distress migration & maximize self engagement of huge work force . UDYAMA has partnered with Sir Dorabji Tata Trust, Mumbai since more than half a decade towards well being improvements on ANRM along with gravity flow irrigation, Minimizing adverse impact of distress migration, Skill-building at source & destination, ICCO, The Netherlands an international Donor has been supporting on Sustainable Livelihoods & fair climate initiatives in Odisha and together with supporting community based WASH , Nutrition as one of broad based livelihoods. Now The One planet network has partnered with UDYAMA for doubling framers income , followed by NABARD support for entrepreneurship for agro- processing to minimize crop loss, initiate solar based post harvest technology for storage & dries for value added product & ICRISAT has partnered with UDYAMA for Scaling the livelihoods & promote science led programs for enhancing production & productivity.

Objectives:

- To Protect land mass from degradation, utilizing ecologically sensitive indigenous and alternative methods for land & water utilization, rejuvenation followed by adoption green energy, biomass conservation can help to achieve important prerequisites for environmental sustainability & livelihoods empowerment on enterprising mode
 - To bring changes in life ,livelihoods lifestyle of small holdings with added market led skill building on self employment through Agri Business.



Description of actual services to be provided in the assignment:

- To Protect Farmers Interest on enhancing food production, marketing , value addition in order to minimize distress sale of agri-products
- Scaling up science led livelihoods opportunities to maximize benefit from land, water, through crop diversification, technology to doubling farmers income
- To bring a changes in life and livelihoods through entrepreneurship promotion & changes in life style for drop out youth & farming community
- To promote collectivisation of women & adolescent in integrated farming, & non farming business towards dignified life
- Scaling social entrepreneurs for sustaining income, managing business ecosystem,

S/no	Location	Name of the products available	Name of the products sold at local market	Issues	opportunities
1	Titlagada Balangir	Paddy , Green gram, Black gram, Arahara Maize, Greens, Green Vegetable, Onion	- Ten truck load comprising ten tons each - Sold at local market - Three truck loads comprising ten ton each - Green gram/Black gram- sold at local market Two truckload comprising ten ton each -Arahar sold at local market - Ten truck load comprising Maize Sold at Rs 13 - Greens & Green vegetable Rs 30	Storage, Power availability	Processing & value additions -solar Energy
2	Odagaon , Nayagarh	Paddy , Green gram, Black gram, Arahara Maize, Greens, Sugar cane, - Jagery, Tamarind, Jack Fruits, Cashew Brinjal & Pointed gourd(potal) other Vegetable	- 08 truck load comprising ten tons each - Sold at local market - Three truck loads comprising ten ton each - Green gram/Black gram- sold at local market - Three truckload comprising ten ton each - Arahar sold at local market		

Engagement of FPOs in Sustainable Agriculture & Nutrition Farming: Pathways for Sustainable of Food Systems with other support programs

Agriculture is being the primary source of livelihoods of rural poor, and more particularly of the population of the program community as well given more stress in the project. Irregular rain, concurrent drought, excess use of chemical fertilizer made agriculture a expensive and unproductive livelihoods means for poor. To make the community understand and practice organic

and alternative way of farming, several trainings have been conducted under the program to make the community aware, knowledgeable and in practice on different sustainable farming methods.



Training with BODs , crop Demonstration for addressing food security & malnutrition: Happiness harvesting

Seed availability at the right time and right variety is a major issue in the program area. The local and high yielding variety are dominated by the market driven hybrid variety attracts more pests to the crop and low and inappropriate productivity. In order to make the farmer community adhered to local variety and then to meet the need of the marginal community through seed support program initiated in the program. Even some new cover crops, needed by the community and drought resistant, were introduced under the program.

Farmer Filed School: Learning by doing in farm education:

Demonstration of successful practices can only multiply the effect and

replicate the practice to more areas. In order to multiply the practices few farmer filed schools in different strategic locations developed under the program. Where various crop practices, composting practices, use of small farm tools were placed and used. Farmers from nearby areas pay visits to the centers to learn the good practices from the progressive farmers and do it in their own farm lands.



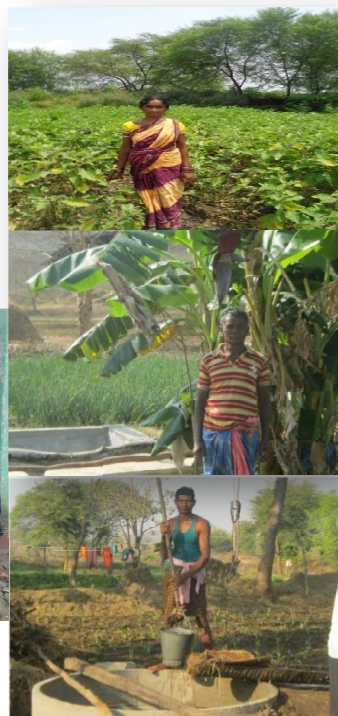
Information on different agriculture practices being updated to the FFS farmers to share with his fellow farmers.

Pabitra Jugunia, aged around 50 is a progressive farmer from Podaplli village of Bongamunda block manages farmer filed school in his farm yard. During last cropping season Pabitra demonstrated SRI Paddy, Vermi Composting and use of Pedestal Pump due to drought situation in the area. He also prepared organic manure out of cow urine, cow dung and other local leaves and shared his experience with many neighboring farmers. By which many of his fellow farmers visited the FFs and learn the process of preparing and using these and did in their own farm land.

Nutrition Garden: Income & ecology in one go:

Normally in agriculture development program, small and marginal framers household hardly get scope to develop crop which meet the nutritional need of their family. In order to provide access to nutritious food at their backyard this program has been initiated in the program area , crop diversification program initiated to meet both food, nutrition and income . some clusters were provided with seed and sapling support under the

program to grow gardens of such vegetables in their backyard and further support



Natural Farming Practices: Ways to Immunity Boosting:

Current farming practices in the program area are dominant with inorganic practices. Farmers mostly use chemical fertilizer to extract more and more production by applying chemical fertilizers and pesticide, despite of knowing the fact that this degrades the soil quality and its fertility. In order to bring back to traditional farming practices and focused on organic methods of farming, the program initiated with trainings and small material support thereafter to few



farmers to take up preparation and use of organic manure and pesticides in both the program district. Under this several trainings were conducted under sustainable agriculture training and demonstration and hand holding support in preparation of organic/bio manure and pesticides. Several farmers applied the same in their field and found it very useful. The same practice has also been ensured in all farmer field school to transfer the knowledge to nearby farming community.

Campaign with Farmers in Promoting Living Soil to grow better food & Nutrition: A Nature based Solution :

To ensure sustainable management of agriculture practices, management of farm and household waste were ensured by developing compost pits at household level. Every house hold linked to the activity by practicing composting the bio waste of household through these small initiatives at their backyard or farmyard to ensure use of compost.

Seed Bank and Grain Bank: A hope for meeting need of food & nutrition in lean period in tribal areas:

As most of the program participants belongs to small and marginal farmer category, they face

shortage of grain and see before and during any cropping season due to lack of preservation and storage of traditional seeds. Often the seed supply system run by the state hardly reaches the farmer in time. So, before any cropping season the farmers suffer a lot to get the required seed.

Similarly, the marginal households face scarcity of food due to non availability of grain during kharif (lean season), as they mostly engaged in their field and hardly get any scope to earn livelihood from external source. During the period they borrow grains from informal source at high interest rate and repay the immediately after the harvesting. In order to create a coping mechanism community grain banks were promoted in some of the disadvantage habitations to meet the need during difficult times. The community created their fund by contributing as per their capacity and the program supported a matching of either grain or storage bin to make the process work for them



Cross Sector Inclusion & Campaign for Home grown Nutrition ,WASH to Save lives , Support livelihoods

Sanitation, Nutrition, Hygiene being the major threat in rural community has never been addressed by regular integrated development actions. Now it addressed through different activities like awareness generation through wall painting, promoting nutritional garden at household level and developing nutritional crops at farmer's field school point. Apart all above there had been initiatives in awareness generation with wall painting on nutritional slogan and pictures at strategic locations of program area. As planned, 8 wall paintings have been completed along with small hoardings in almost all program villages with different messages on nutrition, sanitation, savings and other developmental issues in program area. Several discussion were also carried out during village meetings and visits to make the program participants aware on those wall writings and ensure practicing some small habits in their household and community level as well. It also been discussed during CRP orientation training to develop understanding among the key facilitator at the grassroots.



“A Small-walk towards Big Dream : Sowing a seed of change through FPOs & Farming collective to bring a reality contact on climate change on Food Water & Nutrition & NBS

Interconnected & convergent program with farming community and collectives is one of the successful activity that has linked to Farm & Non-farm based livelihoods.

This campaign primarily focused on the following activities to ensure food and nutrition security through Institutional Process for Learning, and Management of Common Resources

- Community Mobilisation and Group Formation
- Knowledge Building on Sustainable Livelihoods
- Management of Individual and Community Assets
- Scaling Up of Successful Interventions
- Demonstration and Engagement with other Stakeholders
- Influence Benign Policy towards Livelihoods Security
- Promotion of Climate Adaptive Sustainable Livelihoods System through Sustainable Farm, Forestry, and Fishing intervention
- Soil and Water Conservation
- Micro and Village based Enterprise Promotion by Value Addition
- Nutrition, Water and Sanitation Awareness
- Non Farm Intervention – Individual and Groups
- Demonstrative Sustainable Energy Interventions for Potential Scale Up



This project has implemented in the districts of Bolangir, Nayagarh districts.. The project aims to ensuring **livelihoods security & incorporation of green energy** among tribal, Dalits, fisher folk and other backward families in by enhancing production and income of families through community resilient farming systems to climate change



There are lots of hope for augmenting Food & nutrition security to support SDGs . But there has great **Reality realization**: Climate crisis is the barrier to development, recurrent disaster loss has pushed the development back even to a decades. This intensification of disasters because of global climate change & variability that has huge loss in natural ecosystem and biodiversity system , food chain and hydrological chain from where communities is availing nature based nutrients, oxygen freely without any hassles.

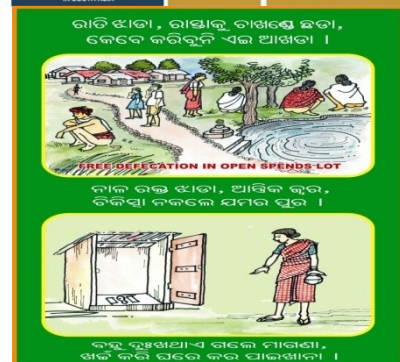
But The ecosystem services are now working differently , shrinking either by development of infrastructures or misuse or abuse of ecosystems services.

Outcome & Impact is huge with many positive attributes : Rise in women in Agriculture as a shifting trend in

rural agricultural based livelihood, Net increase in the incomes of women from farm and non-farm based interventions , benefit maximisation through adoption of innovative farming and non farming practices, Increased soil health and fertility to sustain agriculture based livelihoods, Improved food and nutritional security of women and their families & enhanced income , Increase in area under cultivation, cropping intensity and food production by women ,Strengthening of community Institutions for better management and control of

resources , Development of resource pool of facilitators ,, Drudgery reduction for women in agriculture through use tools / technologies , Community adaptation measures evolved to reduce vulnerability ,Enabling environment for income enhancement entrepreneurial/employable skills , Establishing effective network among stakeholders and initiate citizen action , process for availing carbon credit from community biodiversity, local forest ,Added value: creation of jobs, improved nutrition, gender equality, This platform shall help to raise the relative profile and positioning of consortium

and to disseminate learning to decision makers to guide regional, national policies and public investment schemes in natural resource management sector, fact that 91% disasters in 2009 due to weather & climate induced. **Half of these disasters — mainly storms and floods — have taken place in Asia, a UN study says**<http://igovernment.in/site/91-disasters-2009-due-weather-36305> : Climate change disproportionately affects those living in extreme poverty.



Looking forward together towards Resilience in addressing multiple crisis in order to achieving Global Goals:

It is evident that rising sea level, increasing ocean and surface temperature and extreme weather events like storms, droughts and cyclones are felt most acutely in poorest countries of the world and amongst the poorest and most marginalized and impacted by malnutrition

People living in poverty are less able to prepare for, or adapt to, climate change effects on the associability and availability of food, drinking water, sanitation adequate housing and health care. A growing number of people will face disproportionate and loss of their homes and livelihoods which may also result in increased social unrest.

Fear, Risk, Stress, Shocks, Trauma, Worries, Threats, Hazards, Conflicts,

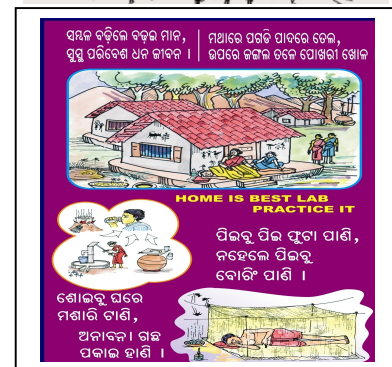
Drudgery, Vulnerability the degree to which people are susceptible to the adverse impacts of climate change i.e level of resilience and capacity to cope of community. Persons living in a developing country faced 79 times greater risks of being affected by climate induced disaster .262 million people affected by climate disasters annually from 2000 to2004 over 98 percent were living in the developing world.

Hunger and malnutrition among children is one of the pervasive health problems in the world contributing to mortality at young age especially among developing countries due to several factors, poverty, inequality, climate crisis & health crisis. That has greatly impacted the food, nutrition & wellbeing safety

Climate variability contributes significantly to poverty and food insecurity. Proactive approaches to managing climate variability within vulnerable rural communities and among institutions operating at community, sub-national, and national levels is a crucial step towards achieving the Millennium Development Goal of eradicating extreme poverty and hunger

Climate change induced disasters is likely to increase mass migration, to put increasing strain on health systems due to an increased incidence of disease, threaten food and water security, and lead to loss of shelter, land, livelihoods and culture, not to mention the threat of conflict. Slowly and incrementally, land will become too dry to till, crops will wither, rising sea levels will undermine coastal dwellings and spoil freshwater, species will disappear, livelihoods will vanish. Occasional cataclysms will exacerbate these trends. Mass migration and conflicts will result. Climate change will, in short, have immense human consequences. Thus it is essential for localisation , to link to the broader view of poverty & poverty alleviation that goes beyond just income & food but for immunity boosting and better nutrition to human, regenerate soil, source of food, water nutrition lifestyle, Local Action, Build on What Exists how this influences the asset base – categorize, strategies that make up their livelihoods. An-integrated perspective, unites the concepts of economic development with cross sector Integration resolution for people & planet

Today agriculture produces enough food for everyone, but the number of people experiencing moderate to severe food insecurity stands at two billion of the global population according to the report on 'The State of Food Security and Nutrition in the World' (2019). Despite India being self-sufficient in food grain production, it was home to 194.4 million undernourished people during 2016-18. The main victims of undernourishment are poor, especially young children, pregnant and lactating mothers. Since the nutritional status of women has a direct impact on the nutritional and health status of a child, the food and nutritional developments aimed at improving the diets of women especially of reproductive age is crucial to end the cycle of hunger and malnutrition. The prevalence of under nutrition and micronutrient deficiencies particularly among disadvantaged women and children can be addressed by integrating the nutritional sensitive programmes with food security, agriculture, poverty reduction and education to achieve nutritional security. Given this backdrop, the pertinent question that the report aims to address is how India can achieve nutritional security



by 2030. To address this, it is required a multi-dimensional determinants of malnutrition and also explores the linkage between nutrition and income, poverty, food security and agriculture.

Undernourishment, a measure of inability to access minimum nutrition requirement expressed in terms of daily calories intake, is one of the most serious health problems affecting 809.9 million people worldwide (FAO, IFAD, UNICEF, WFP and WHO, 2019). Given the gravity of the situation, the targets of ending hunger, achieving food security and ending all forms of malnutrition by 2030 were adopted in the UN's Sustainable Development Goals (SDGs). Importantly, our linear projections of malnutrition indicators (based on a business-as-usual model) show that India will not be able to achieve the SDG target of eliminating all forms of malnutrition by 2030, if the current trend continues. Clearly, the piecemeal efforts of all those concerned have not been able to bring significant improvement in nutritional status of the population. Based on extensive research, the report has critically assessed India's existing nutritional policies and programmes and provided key measures to address multi-dimensional challenge of nutritional insecurity and end all forms of malnutrition by 2030.

It is evident that, development challenges in Odisha are a "many hands problem" and need a multi stakeholder approach. For too long the Government, the social sector and the private sector have been operating in isolation from each other with different priorities and agenda. Whilst it cannot be denied that the social sector and the private sector play a vital role in the growth and development of Odisha, there is a pressing need for this growth and development to be more inclusive and be an effective vehicle of development for all.

Engagement, learning outcome of UDYAMA in COP26 & COP27 & SDGs

To have any hope of achieving the UN Sustainable Development Goals (SDGs) and reversing the destructive trajectory facing people and the planet, we must more effectively address root causes of complex problems, rather than treating symptoms. This is possible if we transform policies, practices, customs, mindsets, power dynamics and resource flows to achieve a lasting impact on a local, national, and global level. This is the work known as systems change. It is a comprehensive approach to social change that seeks to address the

complex, large-scale, and deep characteristics of social issues. A key aspect of systems change is sustained collaboration. True systems change occurs when multiple players across sectors, disciplines, and social groups – including funders and movement leaders – work together towards common goals over extended timeframes.

While we encourage funders supporters to explore different opportunities to finance projects that can lead to social good, including those that offer some financial return to investors, achieving effective systems change, particularly the many aspects that need grant funding, will require a powerful shift from traditional philanthropic approaches towards demonstrating resilient development pathways

however It is essential to make Sustainable Food systems (SFS) models that encompass the entire range of actors and their interlinked value-adding activities involved in the production, aggregation, processing, distribution, consumption and disposal of food products that originate from agriculture, forestry or fisheries, animal husbandry and parts of the broader economic, societal and natural environments in which they are embedded. The food system is composed of sub-systems (e.g. farming system, waste management system, input supply system, etc.) and interacts with other key systems (e.g. energy system, trade system, health system, etc.). Therefore, a structural change in the food system might originate from a change in another system; for example, a policy promoting more biofuel in the energy system will have a significant impact on the food system. Many farmers and even other countries throughout the world are adopting the integrated farming system which use practices that consider the present and future climatic conditions, soil characteristics, the food habits of the population and estimates the future food requirements of the ever increasing human and animal population& the problems of food security and global warming mitigation should definitely be solved.

We look forward to working with you our shared journey to create lasting solutions too many of the biggest problems facing people and the planet today. the pandemic has exacerbated long-standing inequalities and,



The best message

This is a drop of water on a leaf and 12 ants are drinking water from it. The amazing thing is how they have divided into 4 groups of 3 ants each to balance the leaf so that the water drop would not slide off. Small wonders of nature never cease to amaze. This is the type of coordination we need amongst people



in doing so, more deeply exposed the roots of inequality in our societies. Additionally, the escalating climate crisis has resulted in a series of ecological disasters around the globe, growing in frequency and intensity. In many ways, it feels like we are at a breaking point. (PDF) With Community during COVID Pandemic, With Climate Crisis & With Farming Community & With Women Collectives , Youths and With Multiple Stakeholders | Pradeep Mohapatra - Academia.edu

Following are accrued benefits:

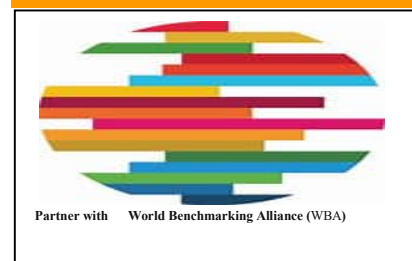
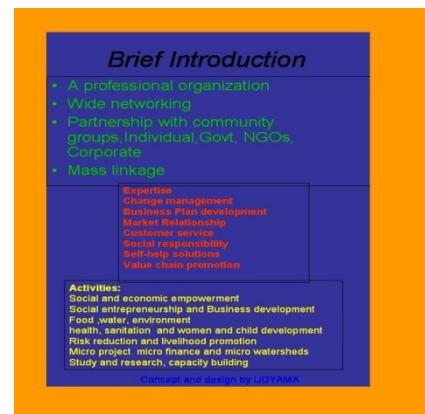
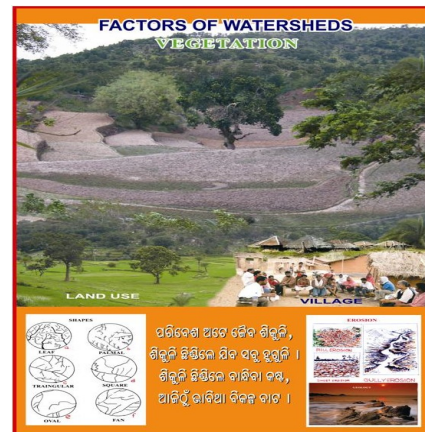
- It focuses small farmers, FPO Shareholders , women collectives and small businesses, that face difficulties operating normally, potentially leading to gaps in food production, accessibility and availability.
- The role of diets diversification in exacerbating the health impact of COVID-19 now and concern regarding the potential impact of COVID-19 on access to healthy, nutritious by vulnerable populations such as children and the elderly.
- The increasing evidence on the relation of food systems with the growing number of emerging relationship with sectors that are posing boost to economic stability
- Agro-biodiversity: Agriculture and land use strategies protect and promote agro-biodiversity with fishery & animal resources and stimulate local food production, providing sustainable livelihoods and healthy diets for all.
- Link Science and Policy: Policies, actions and investments in sustainable food systems are informed by science that promotes a systems approach,
- Ensure Governance/ Multi-stakeholder collaboration - Innovative governance and incentives at all levels foster cross-sectoral collaboration across policy areas (e.g. biodiversity, climate change, health, trade, etc).
- Investments: Responsible and accessible investments in sustainable and equitable food systems by financial institutions and private investors are the norm.
- Public Procurement: Governments at all levels make maximum use of their leverage power to bring about sustainable food systems transformation through procurement.
- Policy coherence: Inter-linkages and trade-offs between policy areas (e.g. agriculture, environment, health, nutrition, climate change etc.) are actively managed through holistic and coherent food systems policies that catalyze joint action In climate

induced disaster ,

- The emergence of integrated farming systems (IFS) has enabled farmers to develop a framework for an alternative development model to improve the feasibility of small sized farming operations because integrated farming tries to imitate nature's principle, where not only crops but also varied types of plants, animals, birds, fish, and other aquatic flora and fauna are utilized for production. The basic principle is to enhance the ecological diversity and by adopting eco-friendly practices
- By utilizing a multi-story arrangement so that the total available area is used effectively and there is a high level of interaction between biotic and abiotic components
- **Convene & facilitation:** Create shared spaces for collaboration and co-creation that democratize the engagement of all

stakeholders in society without discrimination in sustainable food system .

- **Connect:** Use collaborative systems change principles to connect social entrepreneurs, innovators and other stakeholders, across



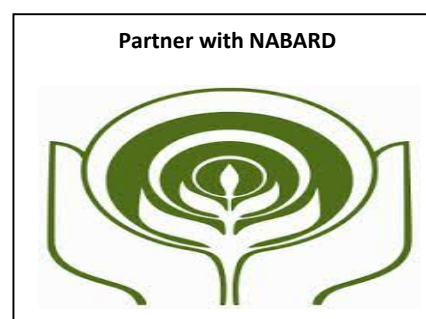
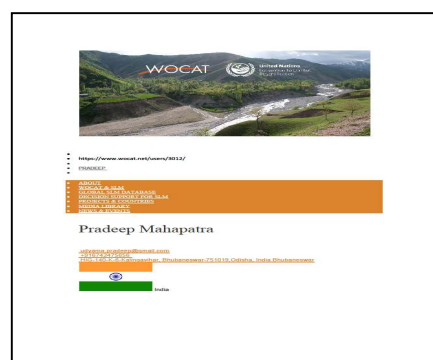
diverse communities, to generously share knowledge and resources to inspire the acceleration of progress towards attaining the SDGs.

- **Co-create:** Community members, working in collaboration, co-create the overall strategy and direction, to provide all stakeholders with the opportunity to actively contribute to the future.
- **Celebrate:** Consistent opportunities to celebrate the movement's accomplishments, from awards ceremonies to events that keep members engaged, are important to keep participants focused in light of the difficult work ahead.
- **Calibrate:** Research and the measurement of outcomes will support the movement's impact as it expands. Necessary recalibration will take place to focus on reaching goal to achieve the SDGs by 2030.
- **Coherence:** Networking & partnership with multiple stakeholders and simultaneous activities must be developed coherently to form a shared identity of fellow travelers who are learning about and activating systems change. This is important to achieve the goal of growing the movement's impact.
- **Change Consciousness:** Shift norms away from a focus on individuality, to a belief that individual and community prosperity can be achieved with the same action.



An Urgent Invitation to Shift Funding Practices:

We are now in a stage of our civilization journey where our world faces a cascading and interrelated set of global challenges that threaten the future for people and the planet. From endemic poverty, racial and gender inequity, species extinction, and deforestation, to growing fascism, and the climate crisis, the combination of these co-occurring and overlapping challenges signals that we urgently need to fundamentally transform the entrenched systems underlying these major problems. To have any hope of achieving the UN Sustainable Development Goals (SDGs) and reversing the destructive trajectory facing people and the planet, we must more effectively address root causes of complex problems, rather than treating symptoms. This is possible if we transform policies, practices, customs, mindsets, power dynamics and resource flows to achieve a lasting impact on a local, national, and global level. This is the work known as systems change. It is a comprehensive approach to social change that seeks to address the complex, large-scale, and deep characteristics of social issues. A key aspect of systems change is sustained collaboration. True systems change occurs when multiple players across sectors, disciplines, and social groups – including funders and movement leaders – work together towards common goals over extended timeframes. While we encourage funders to explore different opportunities to finance projects that can lead to social good, including those that offer some financial return to investors, achieving effective systems change, particularly the many aspects that need grant funding, will require a powerful shift from traditional philanthropic approaches where:



https://www.google.com/search?q=udyama+nutrition&sxsrf=AOaemvKcJeq7Q2XoE1oIr-yBT9d4ZpMExg:1633938662129&source=lnms&tbn=isch&sa=X&ved=2ahUKEwi2sKns78HzAhWM8HMBHSS2BQgQ_AUoAXoECAEQAw&biw=1366&bih=657&dpr=1

Please be with us to do and demonstrate more resilient processes, practices with evidences that can help facilitate to build capacities of communities engaging multiple stakeholders Protecting land mass from degradation, utilizing ecologically sensitive indigenous and alternative methods for land & water utilization, rejuvenation, knowledge transformation followed by adoption innovation in green energy, biomass conservation can help to achieve important prerequisites for environmental sustainability & livelihoods empowerment on enterprising mode for economy & ecology .Together we fill the gaps, correct and scale it.

Namaste.

On behalf of Team UDYAMA, Pradeep Mohapatra, Secretary & Co-Founder

<https://www.bing.com/search?q=udyama+%26+community+resilience&cvid=f16a355bbdbd41198f3b52898c90b378&aqs=edge..69i57j0l8.22213jOj1&pglt=43&FORM=ANNTA1&PC=EDGED>

[https://www.bing.com/search?q=Udyama+%7C+25+years+with+community+-+Search+\(bing.com\)&cvid=1fb08e86b7ae40fb8b0f8328b6518674&aqs=edge..69i57.1807j0l1&pglt=43&FORM=ANNTA1&PC=EDGEDB](https://www.bing.com/search?q=Udyama+%7C+25+years+with+community+-+Search+(bing.com)&cvid=1fb08e86b7ae40fb8b0f8328b6518674&aqs=edge..69i57.1807j0l1&pglt=43&FORM=ANNTA1&PC=EDGEDB)

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