



International Association
of Students in Agricultural
and Related Sciences

23/2024

GLOBAL PROJECT REPORT



International Association
of Students in Agricultural
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Words from President



Dear reader,

Our world faces many challenges: food insecurity, inequality, health problems, and climate change. New approaches to agriculture are needed to solve the challenges of today. This report shows how IAAS drove change in 2024 and how young people lead by example.

Each of these projects is improving our world, all with little investments but driven by big ideas. In the spirit of IAAS, we should share knowledge and ideas to reach mutual understanding.

Let this document be an open invitation to do just that. Let's show the world what we can do, and let's reach out to our fellow members and see how you can learn and how we can support each other. This document also serves as a guiding document for other (student) associations and organizations to join forces with these youth-led projects.

Go further, go IAAS!

Rabi Raut
President
IAAS World 23/24



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Words from **WIA** Coordinator



Dear IAAS Members and Global Community,

Recognizing the potential and productivity of women in agriculture is essential. Women bring valuable skills, unique perspectives, and innovative approaches that significantly contribute to the overall productivity and sustainability of the sector.

IAAS aims to empower women in this vital sector through the Women in Agriculture (WIA) project. By taking proactive initiatives, IAAS demonstrates its commitment to fostering an inclusive agricultural community and providing women with the necessary support to thrive. Harnessing the full potential of women allows them to play a pivotal role in driving positive change and advancements that will shape the future of agriculture.

Embracing and promoting the active participation of women in agriculture is not merely a matter of equality; it is a strategic move to enhance productivity and ensure the sector's long-term success.

Go Further! Go IAAS!

Hajar Kouryani, Ramita Bhandari, Ornella and Maria
Women in Agriculture Coordinator 23/24



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Words from IDP Coordinator



Dear IAAS Members and Global Community,

In the mosaic of environmental challenges, river deltas stand as crucial ecosystems, vulnerable to various threats. As the IAAS Delta Project Coordinators for 23/24, we, Cristhiam Flores and Sadia Jannat Jussi, extend our heartfelt commitment to the protection and conservation of deltas worldwide.

River deltas, intricate and dynamic, face peril from factors such as sea-level rise, land subsidence, and human interventions like dam construction. The IAAS Delta Project is our collective response to these challenges, grounded in the principles of knowledge transfer, international cooperation, and sustainable local management. Our mission is not just about preserving ecosystems; it's a call to action for global citizens. By disseminating knowledge, fostering international collaboration, and promoting sustainable practices, we envision a world where deltas thrive, offering ecological and socio-economic benefits.

Join us on this journey towards safeguarding our deltas. Let's bridge the gaps, share insights, and collectively work towards a sustainable future.

Together for sustainable deltas,
Cristhiam Flores
Sadia Jannat Jussi
IAAS Delta Project Coordinator 23/24



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Words from VCP Coordinator



Dear IAAS Members and Global Community,

As a youth association, we support innovative and novel creations worldwide. These ideas and projects need to be revived to solve the current environmental pollution, climate change, and gender issues.

Not only this, we encourage these projects to launch and implement their ideas into action. It's high time we need to work for our future generation where our efforts create impacts. So this document can be a significant milestone for every stakeholder who wants to contribute to a unique approach. We promote this knowledge through an inclusive framework among diverse members.

From every nook and corner, youth came up with specific innovation we want to nurture and let the world see what IAAS can do.

Go Further! Go IAAS!

Village Concept Project Coordinator 23/24 Team



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Words from NFW Coordinator



Dear IAAS Members and Global Community,

In a world grappling with the urgent challenge of food waste, we, the No Food Waste Coordinators of IAAS, stand at the forefront of addressing this critical issue. As the world's largest student-led organization, IAAS recognizes that food waste not only amplifies hunger and environmental issues but also hinders global sustainability goals.

A third of all food produced globally goes to waste, according to the Food and Agriculture Organization, impacting both food security and environmental sustainability. This aligns closely with our commitment to the UN's SDGs, particularly SDG 2 (Zero Hunger) and SDG 12 (Responsible Consumption and Production). IAAS committees worldwide are making significant strides in combating food waste through innovative initiatives, education, and community engagement. Recognizing the power of youth, we empower IAAS members to lead transformative No Food Waste projects, leveraging their energy and innovation to drive meaningful change at local and global levels.

Together, let's say No to Food Waste – A joint commitment, where sustainability is at the core of our food practices!

Arkesh Kedar Shenoy, Brayen Ariel, Fadhlan Muhammad Tsany
IAAS No Food Waste Coordinator 23/24

Words from **ONE HEALTH** Coordinator



Dear IAAS Members and Global Community,
Each year, emerging diseases, zoonotic infections affect millions of people and animals worldwide. Diseases do not respect borders, as the Covid-19 pandemic has shown us. Humans and animals are more densely and closely related in today's world than ever before. Therefore, human health is directly affected by their interactions with animals and the environment.

The one health concept recognises the interconnectedness of human, animal, and environmental health. It emphasises the collaborative efforts needed to address global health challenges considering the impact of factors like climate change, emerging diseases and antimicrobial resistance on both humans and animals.

To achieve this goals On November 3, 2022, IAAS World launched the One Health in One Health Day project with its first event. This was the first phase of the project involving researchers from different countries.

Go Further! Go IAAS!

Md Mohidul Islam

Sailaja Sharma

Diya Ghimire

IAAS One Health Coordinator 23/24



INTRODUCTION

IAAS Global Project Competition is an initiative to to make sure that IAAS not only survives, but still achieves its goals of bringing people together and improving the world of agriculture and its related fields. An IAAS project is any structured IAAS activity that is organized by a committee of any IAAS country in order to achieve the ultimate goals of IAAS: promoting sustainable development in the field of agricultural and related sciences. It typically involves collaboration with other organizations, institutions, individuals and sponsors, together called “stakeholders”. It also involves the making of a clear budget and timeline of activities. Thus, an integrated approach to meet the set goals is needed. GPC Provides the opportunity to initiate projects and have impact on social issues and organizational development from local to international level.



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History of IAAS projects



IAAS Women in Agriculture Global Project was officially started on the 8th of March 2018 (International Women's Day). The road to this great initiative towards achieving Sustainable Development Goal 5 started during the 59th World Congress in Indonesia in 2016 and the 60th World Congress in Mexico in 2017. The project aims to promote gender equality and provide a platform for them to share their problems and experiences and how they can overcome them.



IAAS Delta Project aims to promote sustainable water management practices in river deltas around the world. The project formally started on the 2nd of March 2023. It is in line with IAAS' commitment to the UN Water Action Agenda.



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IAAS Village Concept Project (VCP) dates back to the late eighties. When representatives from AIESEC, ELSA, IPSF, IFMSA, and IAAS met at the first Intersectorial Meeting of the International Students Organization (IMISO) hosted at the World Health Organization Headquarters in 1986. At that event, the idea of Village Concept Projects was laid out and the project still runs in our association today. The “Village Concept” was a concrete action of young students to achieve self-sustainable improvement of health conditions and general development parameters in human settlements.



On World Food Day, 16th of October 2016, IAAS World launched its No Food Waste Project. This project was born in a workgroup from the 59th World Congress in Indonesia to raise food waste awareness. We all know how much food can be wasted when cooking, so we want to encourage people to take advantage of all the ingredients or materials left after preparing a dish. Later, a campaign was created called No More Food Waste, and at WOCO in Morocco in 2021, a No Food Waste Plan was made mandatory for all events.



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ONE HEALTH PROJECT, formally started on the 11th of July 2023, the goal of this Global Project is to inform and act on the interconnectedness of human, animal, and environmental health. The idea for the creation came from earlier collaborations with IPSF, including an event on November 3rd, 2022, One Health Day, and the International One Health Conference from 6-8th of July 2023. It was the project's first step with participation from many different countries' researchers.



BANGLADESH

With a rich history and diverse culture, Bangladesh is known for its lush landscapes, including the Sundarbans mangrove forest and the world's longest natural sea beach, Cox's Bazar. The country has made significant progress in various sectors, including textiles and garments, agriculture, and social development.

Household farming

BY IAAS

- Country: Bangladesh
- Committee: IAAS SAU Dhaka
- Location: Dhaka

STARTING & ENDING DATE

- Start date: April 2021
- End date: June 2022



GENERAL INFORMATION

The project, 'Narir Hate Barir Kriahi, Ortho Pushti Dutoi Beshi,' aims to empower women by enabling their participation in household farming, leading to increased earnings. This initiative is a collaborative effort between E-Krishi Clinic, IAAS Bangladesh SAU-Dhaka, and E-Farming project - Household Farming (Krishani). The primary goal is to fortify women's empowerment and guarantee food security.

PROJECT CHALLENGES

Encouraging more women to join household farming. Generating income through farming. Ensuring food security met obstacles like weather risks and distribution issues. Effective communication among stakeholders. Fair pricing in markets for agricultural products was a persistent challenge. Getting community acceptance and participation in farming initiatives required focused awareness campaigns.

Mush-hoom

Project status: Halted temporarily

BY IAAS

- Country: Bangladesh
- IAAS Committee: IAAS Sylhet
- Location: Sylhet

STARTING & ENDING DATE

- Start date: April 2022



GENERAL INFORMATION

Objectives: Raise awareness among farmers about the lucrative prospect of cultivating mushrooms

Mushrooms, being highly nutritious, present an opportunity for farmers to generate additional income. Unfortunately, in the rural regions of Bangladesh, many farmers remain uninformed about this golden opportunity. To address this gap, volunteers have initiated trials, distributed mushroom seeds, and conducted

campaigns to educate farmers about the potential benefits of mushroom cultivation

PROJECT CHALLENGES

Lack of awareness is a hurdle, demanding targeted and effective awareness campaigns. Communicate the advantages of mushroom cultivation. Promoting mushroom cultivation as a viable and lucrative option for additional income.



Nature Based Solutions Bootcamp

Project status: Finished

BY IAAS

- Country: Bangladesh
- IAAS Committee: IAAS Bangladesh
- Location: Bangladesh

STARTING & ENDING DATE

- Start date: February 2023
- End date: November 2023



GENERAL INFORMATION

A competition was organized, inviting the creative minds of young individuals to conceive impactful nature-based solutions. This platform served as an avenue for participants to engage in brainstorming sessions, fostering the acquisition of new knowledge about nature-based solutions and encouraging their practical implementation in daily life.

PROJECT CHALLENGES

Ensuring students have the tools and resources for active participation in solving environmental issues. Encouraging students to take the lead in implementing solutions requires addressing issues related to motivation and ensuring they feel adequately prepared. Instilling a culture of environmental awareness among students necessitates targeted educational efforts and community engagement.



INDIA

India is a country known for its rich history, diverse cultures, and vibrant traditions. The country has a varied landscape, ranging from the Himalayan mountain range in the north to the coastal regions in the south. India has made significant strides in various sectors, including information technology, pharmaceuticals, and space exploration. Agriculture also plays a crucial role in the economy.

AgriFlex

BY IAAS

- Country: India
- IAAS Committee: IAAS India
- Location: Tula's Institute,

Dehradun

STARTING & ENDING DATE

- Project status: Planning

GENERAL INFORMATION

Recognizing the substantial waste produced in our institute's canteen, our members are dedicated to the maxim "love food, hate waste." To materialize this commitment, we aim to repurpose the kitchen waste, including leftover food, fruit and vegetable peels, etc., by establishing a composting plant. Following the implementation of the compost plant, our plan is to market the resulting compost, aligning with the principles of sustainability and contributing to the broader goal of minimizing food waste.



PROJECT OBJECTIVES

To address the significant kitchen waste generated in Tula's Institute canteen, where approximately 1000 meals are prepared daily, resulting in over 100 kg of kitchen waste. Minimize waste and create economic value for the benefit of society, fostering a path towards sustainable development.



Treewalk

Project status: Ongoing

BY IAAS

- **Country: India**
- **IAAS Committee: IAAS India LPU**
- **Location: LPU, Punjab**

STARTING & ENDING DATE

- **Start date: January 2023**

GENERAL INFORMATION

Leveraging the diverse array of tree varieties within LPU's expansive 600-acre campus, we organize annual or seasonal instructive walks for students. Led by knowledgeable tree experts and accompanied by Horticulture faculty members, the participants are guided through the campus, gaining insights into the identification of both native and exotic trees. This immersive experience equips them with the ability to identify different tree species and offers a comprehensive understanding of their role in supporting biodiversity and contributing to a healthy



ecosystem in urban spaces. These tree walks serve as a platform to promote conservation efforts, motivating individuals to take actionable steps in protecting and appreciating the natural world within their communities.

PROJECT OBJECTIVES

To educate participants about the diverse tree species in their local areas and foster awareness of their environmental, cultural, and historical significance.



One Health Series

Project status: Ongoing

BY IAAS

- Country: India
- IAAS Committee: IAAS India LPU
- Location: Online

STARTING & ENDING DATE

- Start date: May 2023

GENERAL INFORMATION

The project featured three guest speakers, including Kapil Mandawewala, Founder and CEO of Edible Routes, who shared insights on the entrepreneurial journey. Mrs. Vani Murthy, a Compost Enthusiast and TedX speaker, discussed sustainable composting practices, fostering eco-friendly awareness. Md. Tangimul Islam, IAAS One Health Coordinator, explored the concept of 'One Health,' emphasizing the interconnectedness of human, animal, and environmental health. Each session provided valuable insights, leaving

participants with a heightened understanding of entrepreneurship, sustainable practices, and global health challenges.

PROJECT OBJECTIVES

Under this project we organized webinars and recorded podcasts with experts along with Digital Posters for Awareness.



VCP Gandhwan

Project status: Planning

BY IAAS

- Country: India
- IAAS Committee: IAAS India LPU
- Location: Gandhwan, Punjab

STARTING & ENDING DATE

- Start date: Mid 2024

GENERAL INFORMATION

In Gandhwan, our first focus will be on surveys and NGO partnerships to promote organic farming. Post this, we plan to implement an on-ground awareness program led by experts to educate farmers about organic farming practices. Our efforts will extend to providing market support, helping farmers access markets for their organic produce. We will also assist in obtaining organic certifications and work towards establishing Farmers Producer Organizations (FPOs) to facilitate collective efforts. Collaborating with the



Department of Pathology, we plan to conduct Trichoderma distribution campaigns to educate farmers on its benefits. Furthermore, our awareness campaigns will promote soil health, encouraging farmers to submit soil samples for analysis.

PROJECT OBJECTIVES

To conduct village surveys in Gandhwan for transitioning to organic farming and to establish NGO collaborations to support these organic farming initiatives.

Sherpur Village Project

Project status: Ongoing

BY IAAS

- Country: India
- IAAS Committee: IAAS India
- Location: Sherpur, Uttarakhand

STARTING & ENDING DATE

- Start date: March 2021

GENERAL INFORMATION

Within the Sherpur Village project, members of IAAS India conduct regular visits to the village of Sherpur, engaging in thorough surveys to gather data tailored to the needs of the local women. These women are then provided with fundamental training in various areas such as Mushroom Cultivation, Pickle Making, Handmade Craftsmanship, among others. Looking forward, the initiative aims to advance with the 'Village Concept Project' in Sherpur. Building on



established connections with local farmers, a detailed analysis of their specific needs will be undertaken to formulate a project that addresses the current requirements of the farming community.

PROJECT OBJECTIVES

Empower and inspire women by enhancing their knowledge, skills, and motivation for self-dependency.



INDONESIA

Indonesia is a Southeast Asian archipelago comprising thousands of islands, with Java, Sumatra, and Bali being among the most well-known. Jakarta is the capital, and it's the largest economy in the region. Indonesia is culturally diverse, with various ethnic groups, languages, and traditions. The country has a rich natural environment, including tropical forests, volcanoes, and beautiful beaches. Its economy is driven by sectors such as agriculture, mining, manufacturing, and tourism.

Cinanjung Village Empowerment Program

Project status: Finished

BY IAAS

- **Country: Indonesia**
- **IAAS Committee: IAAS LC UNPAD**
- **Location: Bandung**

STARTING & ENDING DATE

Start date: unknown

End date: unknown

GENERAL INFORMATION

Work plans for achieving those objectives

1. **Agroschooling:** Educational activities by LC UNPAD entitled Farm Well, Eat Well, Live Well targeting 4th and 5th grade elementary school children.
2. **Visit Village:** A program that aims to strive for the sustainability of the institutional system and maintenance of VCP products.
3. **Biopore Installation Training:** Organic waste utilization activities through composting targeting KWT Melati Asih in collaboration with the Karuna Karya Youth Group.



PROJECT OBJECTIVES

Village Concept Project, this program, focused on social entrepreneurship based on improvement skill of the participant. By doing some educational seminars and workshops, we encourage rural community to unleash their potentials using their own local wisdom, and also we can learn their local wisdom as well.

Agroschooling

Project status: Finished

BY IAAS

- Country: Indonesia
- IAAS Committee: IAAS LC UNPAD
- Location: Bandung

STARTING & ENDING DATE

Start date: Feb, 2023

End date: Sept, 2023

GENERAL INFORMATION

Students understand the importance of maintaining environmental quality for a better life for future generations, and students have the habit of preserving their environment.

Students understand the importance of the farmer's role in meeting food needs.

With the material on the innovation of agriculture, it is hoped that it can open students' minds that agriculture is not monotonous and is not always about getting dirty in the fields. They can also farm in modern ways.



Students will continue to care for the garden that will be built as one form of their concern for the environment, fulfilling the 3 essential aspects we teach, namely Smart Gardening, an environment based on 3R (Reduce, Reuse, Recycle), and Zero Waste.

Tanen Hamlet Empowerment Program

Project status: Running

BY IAAS

- Country: Indonesia
- IAAS Committee: IAAS LC UNS
- Location: Surakarta

STARTING & ENDING DATE

Starting year: 2021

GENERAL INFORMATION

Different work programs focusing on the objectives of this project were carried out.

1) **Tribute to Earth (TTE):** A program emphasizing the utilization of organic waste, recycling it into economically valuable products.

2) **Sharing and Teaching (Share Tea):** An educational program focusing on an integrated learning system by applying creative and innovative ideas, packaged in a communicative format.

Training and Manufacture: A program empowering village institutions to produce potential products for sustainability and achieve a



steady marketing strategy.

3) **Youth Agriculture:** A program empowering village youth to be more productive and attentive to local potentials such as agriculture, tourism, and the environment.

PROJECT OBJECTIVES

The aim of this project is to utilize local potentials to make sustainable products and also encourage youth for education to implement SDG's Quality Education.

Turning Black into Gold

Project status: Finished

BY IAAS

- Country: Indonesia
- IAAS Committee: LC UNS
- Location: Karanganyar

STARTING & ENDING DATE

Start date: August 24, 2023

End date: Sept29, 2023:

GENERAL INFORMATION

workshop activity and is carried out to provide further information regarding the cultivation and preservation of black turmeric plants. Pojok Village located in Mojogedang District, Karanganyar Regency. This village has great natural potential, especially in the agricultural sector, especially black turmeric plants. Black turmeric is classified as a rare plant and is still rarely cultivated, even though this plant is highly sought after, especially in the pharmaceutical industry.



PROJECT OBJECTIVES

Pojok Village community will be more focused on the cultivation and management of black turmeric. The workshop activities were attended by participants from Pojok Village residents and filled with material presented by two presenters regarding the black turmeric plant itself

PANDANSARI Village Empowerment Program

Project status: Ongoing

BY IAAS

- Country: Indonesia
- IAAS Committee: LC UB
- Location: Malang

STARTING & ENDING DATE

Starting year: 2021

GENERAL INFORMATION

- 1) **KWU Workshop:** Conducted at VCP with the aim of enhancing knowledge and skills in entrepreneurship in the digital era. The target participants are members of village entrepreneurship groups.
- 2) **#Plantree:** VCP activity related to the green environment restoration process by planting trees. This is organized in collaboration with the youth in the VCP village.
- 3) **Painting Fun with Kids:** Educational activity targeting elementary school children in VCP, teaching them drawing and providing insights into agricultural plants and fruits.



PROJECT OBJECTIVES

Conducting workshops, educational programs, and various activities to inspire the younger generation to embark on entrepreneurship journeys. The aim is to enrich their understanding of entrepreneurship, cultivate an awareness of environmental conservation through tree planting, and foster an interest in sustainable agriculture practices.

PPK ORMAWA

Project status:Finished

BY IAAS

- Country: Indonesia
- IAAS Committee: IAAS LC UB
- Location: Malang

STARTING & ENDING DATE

Start date: July, 2023

End date: November, 2023

GENERAL INFORMATION

addressing agricultural challenges and maximizing potential involves introducing technology and innovation for future farming. Smart Farming and Appropriate Technology (AT) tailored to community needs offer solutions while generating added value environmentally, socio-culturally, and economically. Rainwater management is improved by creating tarpaulin rainwater storage ponds strategically located near orange plants, serving as a water source for irrigation and fish cultivation. This integrated approach enhances sustainability, with catfish cultivation leveraging organic waste as fertilizer. Leveraging Industrial Revolution 4.0 technology



optimizing plant growth via drip irrigation. Additionally, converting goat waste into Liquid Organic Fertilizers (POC) reduces reliance on chemical fertilizers, promoting eco-friendly farming practices.

PROJECT OBJECTIVES

Provide a solution to solve the problem of land drought in Pandansari Village by using an automatic drip irrigation system using rainwater and managing livestock waste using POC.

Tapos 1 Village Empowerment Program

Project status:Ongoing

BY IAAS

- **Country:** Indonesia
- **IAAS Committee:** IAAS LC IPB
- **Location:** Bogor

STARTING & ENDING DATE

Starting year: 2021

GENERAL INFORMATION

To empower women in agriculture different groups have been created including the Mawar Bodas Women Farmers Group (Kelompok Wanita Tani or KWT) and the Sumber Jaya Farmers Group. Four different work programs were carried out namely-

Agriranger: It is an educational program for children at MI Al-Azkia, serving as a platform to cultivate awareness, care, and the interests and talents of participants in agriculture and the environment through engaging and creative learning. The program empowers village institutions by



aspirations, facilitating, and providing solutions regarding agricultural, environmental, or social issues through communication of local distinctive commodities.

PROJECT OBJECTIVES

The goal of this project is to utilize local potential, leading to an enhancement in the quality standards of village communities in terms of social, economic, , cultural, and technological aspects.

Sumberpakem Village Empowerment Program

Project status: Running

BY IAAS

- Country: Indonesia
- IAAS Committee: IAAS LC UNEJ
- Location: Jember

STARTING & ENDING DATE

Start date: Feb, 2023

End date: Sept, 2023

GENERAL INFORMATION

Work programs including educational activities and competitions were conducted to increase awareness and recycle plastics or wastes for the betterment of the environment.

- 1) **Agriforest:** Educational activities involving planting vegetables and flowers using unused bottles, utilizing soil as the planting medium.
- 2) **Growth:** Silage production using abundant agricultural waste in Sumberpakem Village, such as banana fronds.
- 3) **NET ZERO EMISSION:** Consists of two events, an infographic competition and a webinar



addressing the theme of Zero Emission Day.

OBJECT OBJECTIVE

Educational initiatives focusing on environmental protection through waste utilization and competitions, aimed at raising awareness about global warming and climate change. The objective is to promote understanding and engagement in sustainable practices to mitigate the environmental impact.

Bengkaung Village Empowerment Program

Project status: Running

BY IAAS

- **Country: Indonesia**
- **IAAS Committee: LC UNRAM**
- **Location: Nusa Tenggara Barat**

STARTING & ENDING DATE

Starting year: 2021

GENERAL INFORMATION

This village has potential for local commodities, including various types of fruits, tubers, legumes, and various agricultural, plantation, and forestry productions. Organizations formed in Desa Bengkaung include Kelompok Tani Sinar Rembulan, which produces Trigona Honey, and Kelompok Tani Hutan with a focus on planting porang.

- 1) **VIP (Village Innovation Project):** A project aimed at developing new and more durable VCP products,
- 2) **Agrokids:** An educational program for the children of Desa Bengkaung to raise awareness



about agricultural

3) **Workshop VCP:** Workshops focusing on community awareness about the development potential

PROJECT OBJECTIVES

Developing new and more durable VCP products to boost the village's economy and conducting educational programs to raise awareness about agricultural and environmental potential in the area.

Tambak Sirang Laut Village Empowerment Program

Project status: Ongoing

BY IAAS

- Country: Indonesia
- IAAS Committee: LC ULM
- Location: Kalimantan Selatan

STARTING & ENDING DATE

Starting year: 2021

GENERAL INFORMATION

Desa Tambak Sirang Laut has the potential for local commodities, particularly various varieties of rice. This has led to the recognition of Tambak Sirang Laut as a food buffer region. Collaborating with village institutions, efforts are made to maintain the *kindai limpuar* in collaboration with SP3T Work programs include-

1) **Agrocare:** It's a form of concern related to agriculture or education in general. The aim is to teach and provide innovative education to children about agricultural sciences and related knowledge.



2) **VCP:** Community service activities encompassing education, agriculture, and the environment, along with community empowerment.

PROJECT OBJECTIVES

utilizing local potentials and human resources to encompass education, environment, agriculture and encourage young people to know more about agricultural sciences.

Gemawang Village Empowerment Program

Project status: Ongoing

BY IAAS

- Country: Indonesia
- IAAS Committee: LC UNDIP
- Location: Semarang

STARTING & ENDING DATE

Starting year: 2021

GENERAL INFORMATION

Work programs to encounter different difficulties were conducted-

Farming Class: Educational activities targeting students of MI Negeri 5 Semarang, conducted bi-weekly with continuous sessions. The content focuses on agriculture and the environment.

1) **Youth Agriculture:** Collaborative activities with the youth organization (karang taruna)

Markisa (Mari Kita Bisa): Empowerment activities for farmer groups,



creating distinctive products from local commodities

PROJECT OBJECTIVES

The intensified capacity-building efforts by IAAS Indonesia encompass education, community empowerment, agriculture, and the environment. Consequently, the aspects addressed also contribute to the implementation of SDGs such as "No Poverty, Zero Hunger, Quality Education, Decent Work and Economic Growth.

Muntuk Village Empowerment Program

Project status: Runnig

BY IAAS

- Country: Indonesia
- IAAS Committee: LC UMY
- Location: Yogyakarta

STARTING & ENDING DATE

Starting year: 2021

GENERAL INFORMATION

- 1) **Teaching Children:** Aims to enhance the abilities of children in VCP villages by providing educational materials combined with games, fostering increased interest in learning and reading.
- 2) **Diary of Farmers:** Involves discussions with farmer groups and VCP residents regarding agricultural issues, collectively seeking and implementing solutions.
- 3) **AgriNea and Project in Action:** Implements the outcomes from the Diary of Farmers, involving the classification of programs, including social projects,



land cultivation, and the utilization of agricultural waste. This may also involve supporting existing institutional structures to generate distinctive VCP products.

PROJECT OBJECTIVES

Supplying educational necessities to children to increase their interest in learning and consulting farmers about environmental issues to find solutions for those problems.

Bojong Village Empowerment Program

Project status: Ongoing

BY IAAS

- Country: Indonesia
- IAAS Committee: LC UGM
- Location: Yogyakarta

STARTING & ENDING DATE

Starting year: 2021

GENERAL INFORMATION

- 1) **Agrokids:** Educational activities by LC UGM for elementary school children in VCP, introducing the importance of agriculture and environmental preservation.
- 2) **Benchmarking:** Visiting SMEs in the surrounding area to gather information on how SMEs approach problem-solving, which can be implemented in the production institutions of VCP Products.
- 3) **Waluh Woruti:** Empowerment activities for women farmers' groups in developing pumpkins into high-value economic products.



PROJECT OBJECTIVES

Improve the quality of life in villages through education, community support, agriculture, and environmental initiatives. It focuses on building local capacities to achieve Sustainable Development Goals like reducing poverty, ensuring food security, promoting education, fostering economic growth, reducing inequalities, and sustaining land ecosystems.

Wilungo

Project status: Running

BY IAAS

- **Country: Indonesia**
- **IAAS Committee: LC UGM**
- **Location: Yogyakarta**

STARTING & ENDING DATE

Start date: August 8, 2023

End date: March 25, 2024:

GENERAL INFORMATION

Formerly, KWT. Woruti has been trying to cultivate pumpkin(*Cucurbita moschata*) on a collective farm and successfully created pumpkin-based products such as pumpkin flour, pumpkin stick, pie, snack, and cake on purpose to commercialize. However, processing pumpkins produce waste from seeds that end up in landfills, leading to greenhouse effect by methane emission from anaerobically decomposing. In a week, KWT. Woruti can use up to 20kg/week of pumpkin and produce 4kg of pumpkin seeds



on average.

Many former kinds of research represent the extraction of pumpkin seeds to yield oil rich in proteins, amino acids, tocopherols, carotenoids, and phenolic compounds.

PROJECT OBJECTIVES

Discover the objective results of bioactive compounds in our PSO and their efficiency to be health remedies.

Pangsan Village Empowerment Program

Project status: Finishing

BY IAAS

- Country: Indonesia
- IAAS Committee: LC UNUD
- Location: Bali

STARTING & ENDING DATE

Starting year: 2021

GENERAL INFORMATION

- Pangsan Visit: Regular visits by project department members to Pangsan Village to discuss with Mr. Kitah (Contact Person) or other community members.
- Pangsan Workshop: A workshop that raises solutions to problems in Pangsan Village. In 2022, there will be 2 speakers. Speaker 1 will discuss crop rotation, and speaker 2 about capitalization. Participants from farmers and students (general).
- Green Action ft Little Farmers: Webinar & follow-up activities aimed at elementary school children in Pangsan Village and the general public



PROJECT OBJECTIVES

Enhance the well-being of the Pangsan Village community involve a participatory approach, education, and harnessing local potentials. The focus is on comprehensive and sustainable development in Pangsan Village, taking into account economic, social, and environmental aspects, while actively engaging the community's participation at every step.

Ngabuuriaas

Project status: Finished

BY IAAS

- Country: Indonesia
- IAAS Committee: IAAS Indonesia
- Location: Enlign

STARTING & ENDING DATE

Start date: 10th April 2023

End date: 17th April 2023

GENERAL INFORMATION

NGABUBURIAAS, a collaborative initiative with IAAS, took place during the month of Ramadan, focusing on the theme "Food Security Village through VCP Product." The primary objectives were to increase understanding about the critical importance of food security and to elevate the branding of VCP products.



PROJECT OBJECTIVES

Enhance awareness of the significance of food security and elevate the branding of VCP products.

Back to Awarneviro

BY IAAS

- Country: Indonesia
- IAAS Committee: IAAS Indonesia (VCP Social Movement Team)
- Location: All VCPs in Indonesia
- **STARTING & ENDING DATE**

Start date: 22nd May

End date: 17th June

GENERAL INFORMATION

Back to Awarneviro 1.0 is the inaugural grand event organized by Project Development, aimed at enhancing youth awareness of the importance of environmental protection. The primary goal of organizing "Back to Awarneviro" is to raise awareness among young people, particularly regarding environmental and related issues, by facilitating real action through simple yet meaningful activities that leave a lasting impact on the environment. Serving as a program, Back to Awarneviro 1.0 is a compilation of three major



commemorative days :

- 1) Biodiversity Day on May 22, 2023,
- 2) Environment Day on June 5, 2023, and
- 3) Land Degradation and Drought Management Day on June 17, 2023.

PROJECT OBJECTIVES

Implementation and contribution to 3 major commemoration days for three environmental issues (biodiversity day, environment day, and land degradation & drought management da

Youth Agricature

Project status: Finished

BY IAAS

- Country: Indonesia
- IAAS Committee: IAAS ndonesia
- Location: All VCPs in Indonesia

STARTING & ENDING DATE

Start date: August 2023

End date: October 2023

GENERAL INFORMATION

Increasing youth awareness in agriculture through the implementation of 3 activities, namely "Goes to School", "Goes to Village", and social campaign. Description: As part of the One Health Series project, three impactful events unfolded, setting the tone for future engagements.

Kapil Mandawewala, shared profound insights on his agripreneurial journey during the May 7th, 2023 session. Having created over 500 edible gardens and managing 15 farms in and around Delhi, he shared various perspectives on overcoming challenges.



On May 13th, 2023, Mrs. Vani Murthy, inspiring a commitment to a greener future. Finally, on July 4th, 2023, Md. Tangimul Islam, IAAS One Health Coordinator, emphasized the interconnectedness of human, animal, and environmental health in a session on 'One Health', highlighting the different steps IAAS members

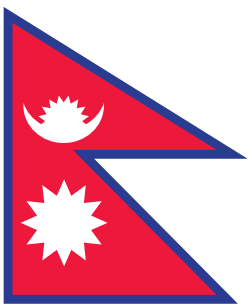
PROJECT OBJECTIVES

Increasing youth awareness in agriculture through the implementation of 3 activities, namely "Goes to School", "Goes to Village", and social campaign.



MOROCCO

Morocco is a country with coastlines along the Atlantic Ocean and the Mediterranean Sea. Morocco is known for its diverse geography, including the Atlas Mountains and the Sahara Desert. Tourism is a significant industry, attracting visitors with its historical sites, vibrant markets, and cultural heritage. Morocco is also known for its cuisine, which blends traditional Arab, Amazigh, and Mediterranean influences.



NEPAL

Nepal is known for its stunning mountain landscapes, including Mount Everest, the highest peak in the world. The country is culturally rich, with a diverse range of ethnic groups and languages. Agriculture is a significant part of the economy, and tourism, particularly for trekking and mountaineering, is also crucial.

Tapari for Changemaker's

Project status: Completed

BY IAAS

- **Country: Nepal**
- **IAAS Committee: LC Paklihawa**
- **Location: Sindhupalchok**

STARTING & ENDING DATE

- **Start date: June 2023**
- **End date: September 2023**



GENERAL INFORMATION

Tapari for Changemaker's is a woman oriented project with a hope of "A small change, within few, can make a huge difference" focusing on reducing the use of plastic and encouraging the use of "Tapari" in its alternative.

PROJECT OBJECTIVES

Our project's primary goal is to empower women as business owners, to expose their traditional skill and improve the economic climate in rural areas by instructing, inspiring, and assisting women and mens in the production of leaf plates called "Tapari"

Grihini (Housewife)

"From kitchen to new hope"

Project status: Completed

BY IAAS

- Country: Nepal
- IAAS Committee: LC FoA Tikapur
- Location: Tikapur



STARTING & ENDING DATE

- Start date: November 2021
- End date: November 2022

GENERAL INFORMATION

It is a solution-oriented project which mainly focuses on women employment, reduces food wastage, reduces women insufficient access to food and skills, and gets rid of women from semiskilled, unskilled domestic work. This project empowers women's mental, economic, social & legal status and also ensures easy access to learning space. It is a long term (sustainable) project which ends hunger through empowerment, skills and

knowledge. We believe that; it's the long and sustainable journey that works slowly but ends hunger and gender inequality efficiently as possible."

PROJECT OBJECTIVES

Empowering and encouraging women by enhancing their knowledge, skills and willingness to feed the world.

Banenthu

Project status: Ongoing

BY IAAS

- **Country: Nepal**
- **IAAS Committee: LC AFU**
- **Location: Rampur**

STARTING & ENDING DATE

- **Start date: August 2023**
- **End date: July 2024**

GENERAL INFORMATION

"Banenthu" focuses on the conversion of waste into wealth. The project believes that if we can utilize the leftover pseudostem, it can aid more profit to the farmer and decrease the pollution. Utilizing the banana pseudostem fiber (Coarse and soft), organic pseudostem sap, to make handicrafts, ropes, garments, textiles, bags, footwear, and PGR etc. and most importantly the biodegradable sanitary pads is what the project aims.



PROJECT OBJECTIVES

Utilization of banana pseudostem in some valuable product

Heliciculture

"A hope to be flourished"

Project status: Ongoing

BY IAAS

- **Country: Nepal**
- **IAAS Committee: LC AFU**
- **Location: Rampur**



STARTING & ENDING DATE

- **Start date: October 2023**

GENERAL INFORMATION

Heliciculture focuses on the snail farming business mainly for human consumption. It is a very lucrative business to put forward into a commercial snail farming system when properly managed and maintained. Snail farming is easy to run, requires less capital investment, less labor and less land.

PROJECT OBJECTIVES

To add more profit to the women of the community to develop their livelihood and also can bring sustainable development in the community.

Golden Grower

Project status: Ongoing

BY IAAS

- **Country: Nepal**
- **IAAS Committee: LC ERC**
- **Location: Dharan**

STARTING & ENDING DATE

- **Start date: November 2021**

GENERAL INFORMATION

The Golden Grower project is a youth-led initiative aiming to change people's perception regarding waste and its collection. We are a team of teenagers passionate to bring about a change in the status quo of waste management in food and agriculture.



PROJECT OBJECTIVES

The main aim of this project is to ease the agriculture in small scale with the vermi compost. This compost is very easy to use and contains maximum nutrients required for the plants

Agri Boost in Community

Project status: Ongoing

BY IAAS

- Country: Nepal
- IAAS Committee: NC IAAS Nepal with all its LCS and CLCs
- Location: Nepal



STARTING & ENDING DATE

- Start date: November 2022

GENERAL INFORMATION

The project was proposed by the Project planning department of IAAS Nepal with the nifty aim of disseminating our bookish knowledge into the nearby community.

PROJECT OBJECTIVES

Aims to broaden our knowledge horizon alongside community upliftment

Uplift Mahuwari Village

Project status: Completed

BY IAAS

- Country: Nepal
- IAAS Committee: LC Paklihawa
- Location: Mahuwari



STARTING & ENDING DATE

- Start date: January 2021
- End date: February 2023

GENERAL INFORMATION

Through this project, we want people to be aware about the importance of health, education and sanitation firstly, and then, better the drinking water and irrigation facility as well as the enhancement of the people's skills and their involvement in income generating activities through the production and value addition of local farm products, and branding of their traditional crafts.

PROJECT OBJECTIVES

The main aim of the project is to improve the health and socioeconomic condition of the 30 households of the village. Social mobilization has been adopted for the project.

Trichovermi

Project status: Ongoing

BY IAAS

- **Country: Nepal**
- **IAAS Committee: LC ERC**
- **Location: Dharan**

STARTING & ENDING DATE

- **Start date: April 2023**

GENERAL INFORMATION

Trichovermi can be simply termed as a powerful blend of Trichoderma and vermicompost that knots the synergistic benefits of both components. Trichovermi is a unique organic compost made to enhance soil health as well as for crop yield.



PROJECT OBJECTIVES

The main aim of this project is food and waste management and soil health improvement



NETHERLAND

The Netherlands, Known for its flat landscape, extensive canal systems, windmills, and tulip fields, The Netherlands is renowned for its progressive social policies, extensive bicycle paths, and high standard of living. It has a prosperous economy driven by trade, manufacturing, agriculture, and tourism. The Dutch are also recognized for their contributions to art, architecture, and science throughout history.



IAAS DELTA Initiative Launching Event

Project status: Finished

BY IAAS LC UNPAD

- **Country:**Netherland
- **IAAS Committee:** IAAS world
- **Location:** Wageningen ICYA 2023

STARTING DATE

Start date: Jan 17-21 2023

attendees gained valuable insights and contributed to the development of holistic strategies for the sustainable management of deltas..

GENERAL INFORMATION

This conference served as a vibrant platform for the exchange of visionary solutions, and best practices in the field of delta management. With a focus on the challenges and opportunities unique to delta regions, the conference aimed to foster collaboration and dialogue among diverse disciplines. Participants delved into discussions on environmental sustainability, climate resilience, socio-economic dynamics, and innovative technologies relevant to deltas. Through engaging presentations, attendees gained

PROJECT OBJECTIVES

Foster a collaborative and multidisciplinary platform that facilitates the exchange of cutting-edge research, innovative solutions, and best practices among experts, policymakers, and stakeholders dedicated to addressing the dynamic challenges and opportunities associated with delta regions worldwide.

Deltas on the Move

Project status: Finished

BY IAAS

- **Country: Indonesia**
- **IAAS Committee: IAAS Netherlands, Belgium, Bangladesh, The Gambia and Montenegro**

STARTING & ENDING DATE

Start date: March 17th, 2023

GENERAL INFORMATION

Increasing youth awareness in agriculture through the implementation of 3 activities, namely “Goes to School”, “Goes to Village”, and social campaign. Description: As part of the One Health Series project, three impactful events unfolded, setting the tone for future engagements. Kapil Mandawewala, shared profound insights on his agripreneurial journey during the May 7th, 2023 session. Having created over 500 edible gardens and managing 15 farms in and around Delhi, he shared various perspectives on overcoming challenges.

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PROJECT OBJECTIVES

Increasing youth awareness in agriculture through the implementation of 3 activities, namely “Goes to School”, “Goes to Village”, and social campaign.



Nigeria

Nigeria is the most populous country in Africa, with a diverse population comprising over 250 ethnic groups, each with its own language and culture.

Nigeria has a mixed economy, with abundant natural resources, including oil, which is the main export product. However, the country faces challenges such as corruption, political instability, poverty, and inadequate infrastructure despite its economic potential.

Banana Smoothie

BY IAAS LC UNPAD

- Country: Nigeria

IAAS Committee: IAAS Obafemi Awolowo University

- Location: Obafemi Awolowo University

STARTING & ENDING DATE

Start date: May

End date: November

GENERAL INFORMATION

The Banana Smoothie project is a project that is centred on transforming the ripened banana into a healthy powdered drink that is nutritious contains nutrients and is a rich source of energy. The primary aim is to reduce the wastage of bananas in Osun state, a major producer of bananas. Every year tonnes of bananas get lost due to lack of transportation and lack of purchase. The banana ripens and gets wasted contributing to a pile of food waste as well as loss of profit for small farmers who use the production as a means of livelihood.



PROJECT OBJECTIVES

By turning ripened bananas into a value product, we help farmers not to suffer the loss of investment and we solve the issue of food wastage as well as providing a nourishing drink that is sugar-free and can be taken on its own or made into smoothies, mixed with cereals e.t.c for both children, nursing mothers and adults.



THANK YOU



We will be coming up with another report where we will see the vibrant youth-led projects from various regions recognized by IAAS Global Project Competition 2024!



OUR SUPER TEAM



**Veronika
Pospis**



**KOURYANI
Hajar**



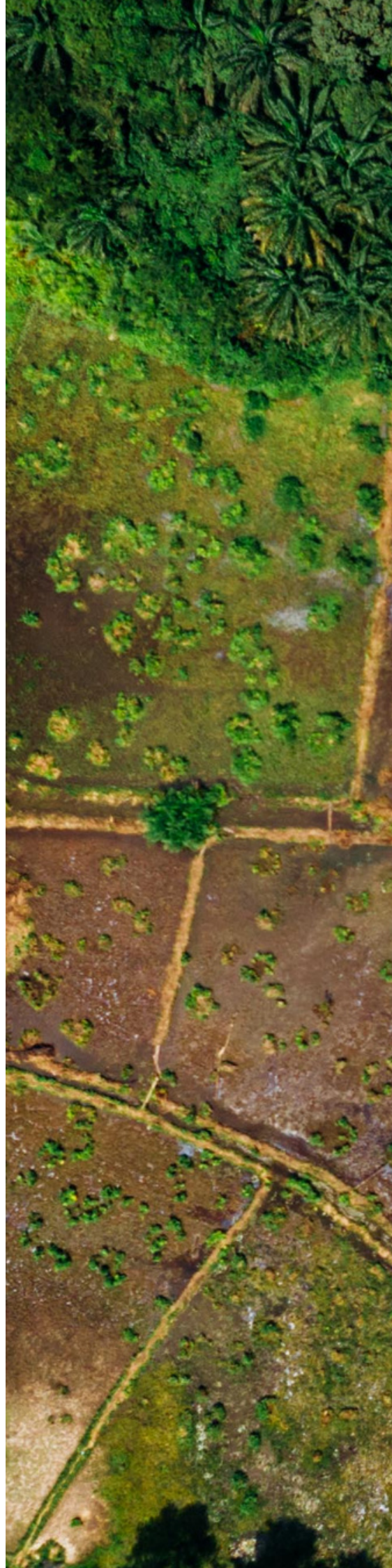
**Arkesh Kedar
Shenoy**



**Arjuna
Raynaldi**



**Md. Mohidul
Islam**





International Association
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and Related Sciences