WHAT IS IA-SIP?

GreenShoots FOUNDATION

INTEGRATED AGROECOLOGY: STUDY, IMPLEMENTATION AND PRACTICE.

A 12 MONTH EDUCATIONAL CURRICULUM FOR HIGH SCHOOL STUDENTS TO ENGAGE WITH AGROECOLOGY TEACHING AND BEST PRACTICES.

- **LOCATIONS:**

  GREEN SHOOTS AGRI TECH CENTRE
  SAMDAECH EUV HIGH SCHOOL SIEM REAP

- **DURATION:** 2024-2025

- **STUDENTS ENROLLED:** 80

- **KEY STAGES:**

STUDY: EDUCATIONAL ACTIVITIES

IMPLEMENTATION: EXPERIENTIAL LEARNING

PRACTICE: STUDENT AGRI-BUSINESSES PILOTED

This is a guidance document prepared by IA-SAIP enrolled students on the PRACTICE stage of the project and the piloting of their agri-business

CE SAIN
Transforming Agri-Food Systems

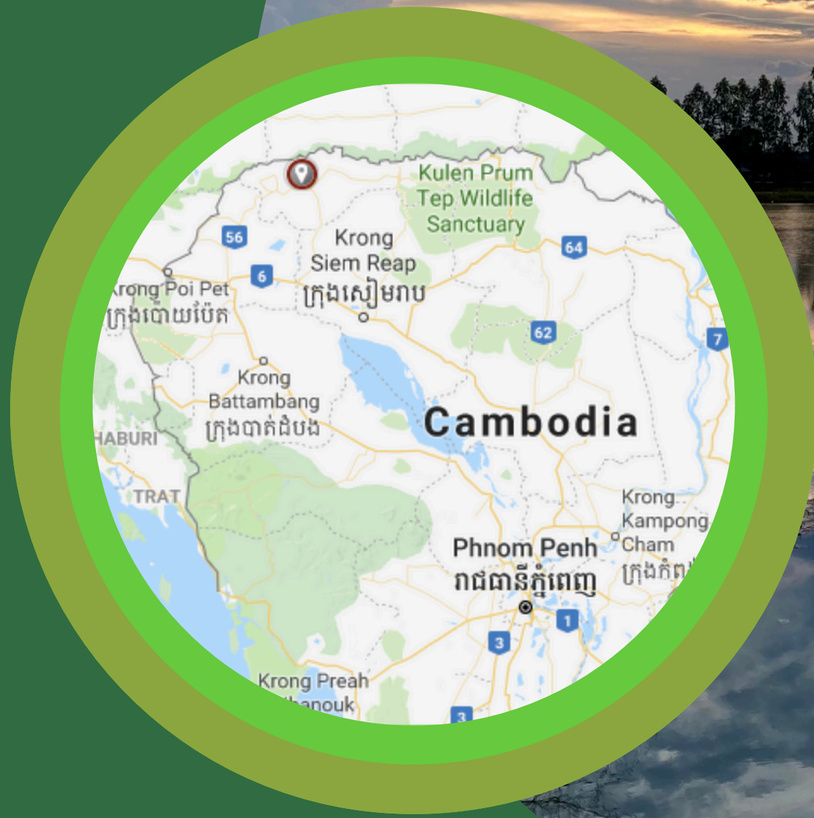
INTEGRATED AGROECOLOGY PROJECT : STUDY, IMPLEMENTATION AND PRACTICE

Student Guide Document for:

Growing mixed vegetables

Students will gain practical skills on

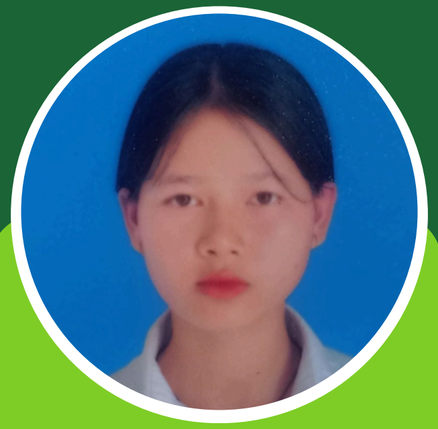
- Set-up of vegetable garden
- Seed selection
- Understand each other and work together
- Ability to work in a team
- Regular garden upkeep
- Use of natural fertilizers
- Pests and disease management
- Harvest and sales



Hunsen Oddar Meanchey High School

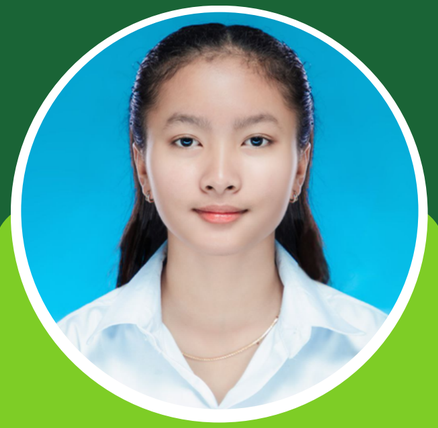
Prepared by Deth panhavortey and Hoeuy siyoung

MEMBERS OF GROUP 1



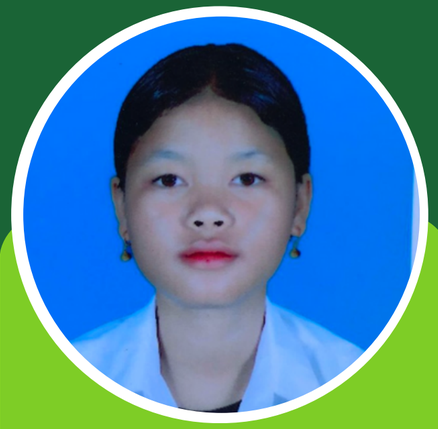
HOEUY SIYOUNG

Team leader



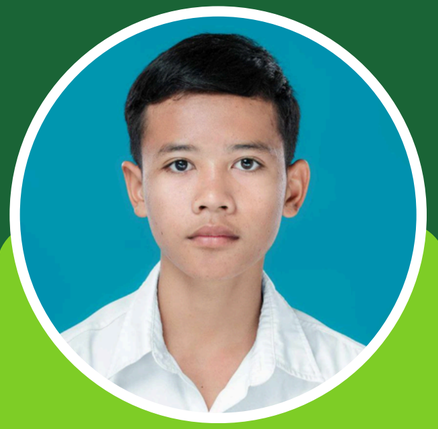
DETH PANHAVORTEY

Vice President



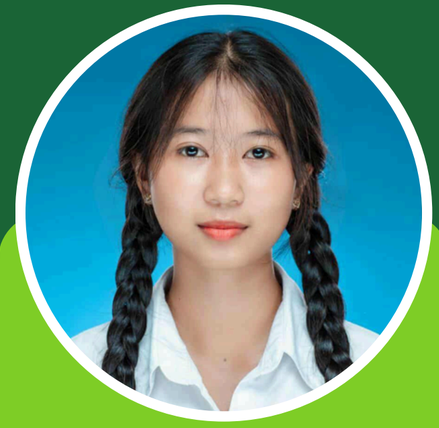
CHHOY MAKARA

Member



SANG SIEVKHAY

Member



ORN KIMLANG

Member

ASSIGNING RESPONSIBILITIES

Integrated Agroecology: Study, Implementation, and Practice

Project Members Responsibilities

Location: Hun Sen Oddar Meanchey High School

Group: 1

Business: Mixed-vegetable production (3 types)

No.	Group member	Role and Responsibilities of group's member						
		Responsibilities	Record income/Expense	Buy material	Planting/Feeding	Harvest/packaging	Promotion/Marketing	Selling
1	Hoeuy Siyung	Group leader*	√	√	√	√	√	√
2	Deth Panhavotey	Deputy group*	√	√	√	√	√	√
3	Chhoy Makara	Member				√	√	√
4	Sang Seavkhay	Member			√	√	√	√
5	On Kimlang	Member				√	√	√

ASSIGNING TASKS

Integrated Agroecology: Study, Implementation, and Practice

Project Timeline: 3 months

Location: Hun Sen Oddar Meanchey High School

Group: 1

Business: Mixed-vegetable production (3 types)

No.	Activities	March				April					May			
		Week 1	Week 2	Week 3	Week 4	Week 1	Week 2	Week 3	Week 4	Week 5	Week 1	Week 2	Week 3	Week 4
1	Buying materials		√	√										
2	Preparation place		√	√										
3	Planting/feeding/take care			√	√	√	√	√	√	√	√	√	√	√
4	Harvesting/packing												√	√
5	Promotion/selling												√	√

OUR MISSION

Effectively utilising a seed grant from the Integrated Agroecology project to showcase student-led vegetable production

KEY STAGES

- Seed and soil selection
- Identifying Location
- Materials Needed & Set-up
- Seed germination
- Planting process
- Garden Upkeep
- Harvest

Seed selection

- Good quality seeds
- Varieties have a specific origin
- Proper packaging
- No signs of damage from insects

Identifying Location

- Ideal soil composition: good drainage clayey/sandy soil
- Near a water source
- No diseases or pests in the soil (pests)
- Location with enough sunlight
- Good moisture content

Materials Needed & Set-up

- Blue veil, length 5m, width 2m
- 9 timber poles
- 10 bamboo beams
- Nails and wire to secure the structure

Seed germination

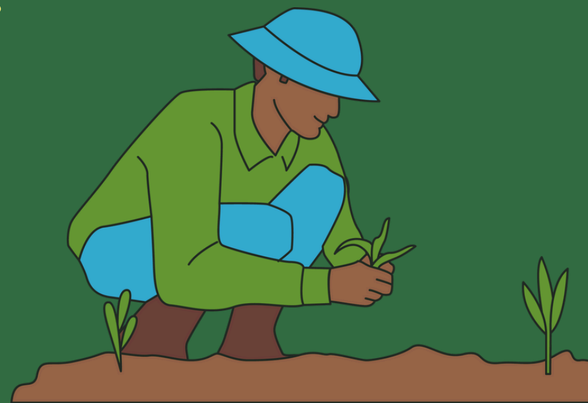
- Put the soil in a seedling container
- Place in hot water for 15 minutes
- Then place the seeds in a nursery container
- Cover with straw
- Let the seedlings grow for 2 weeks

Planting process

- Prepare natural compost by mixing soil that we with rice husk and cow dung and burn it until the soil is dry (leave it for 1 week).

- Then we apply a top layer to our planting area

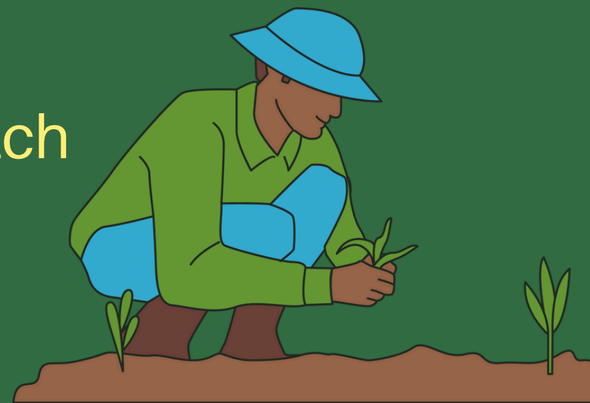
- By then the seedlings are ready for transplanting the sprouts (dwarf cabbage, cabbage, lettuce). Seedlings can be inserted by creating a 5 cm hole.



- After planting the seedlings in the ground, cover them with straw or palm leaves to offer extra protection and water them well.

Garden Upkeep

- During the dry season watering is required twice a day morning and afternoon.
- Dry spells can require checking regularly for pests and removing by hand.
- Regular weeding and applying of mulch (rice straw) to retain moisture



Harvest

- **Choi Sum:**

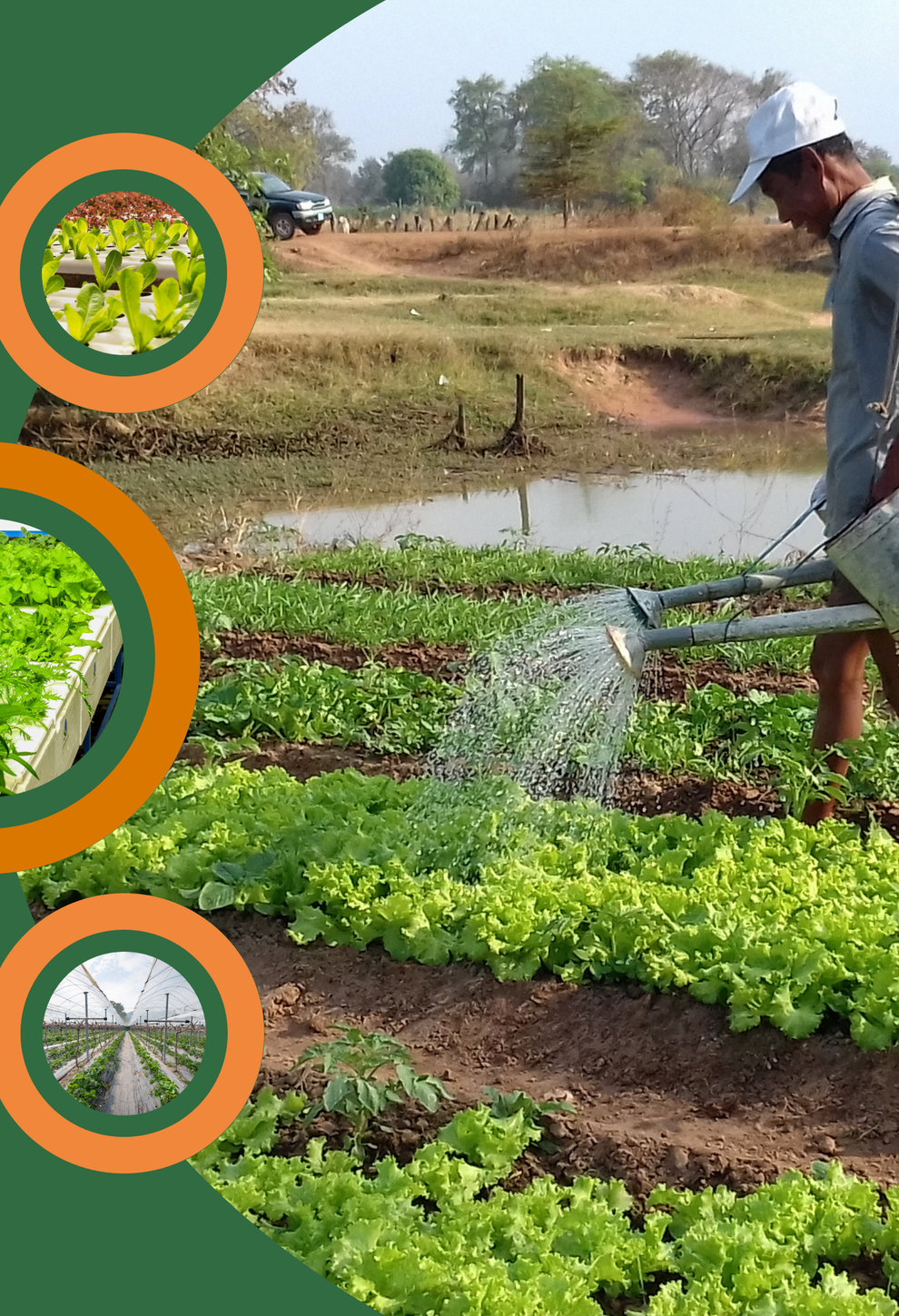
Planting started on 20 March 2025 and first harvest was on May 16, 2025 (3 kg)

- **Chinese cabbage:**

Planting started on March 20 2025, harvest on May 23, 2025. (over 1kg).

PROJECT LEGACY & FUTURE PLANS

- Through this project we have introduced productive spaces at the local high schools.
- Students continue garden upkeep and will plant more types of crops.
- Re-invest into the space from sales of vegetables



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CE SAIN
Transforming Agri-Food Systems

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This video is a part of the ALiSEA Small Grant Facility 2023

ALiSEA
AGROECOLOGY LEARNING ALLIANCE
IN SOUTH EAST ASIA

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Thank YOU

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GROUP