

**AN GIANG DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENT
AN GIANG – SWEDEN PROJECT MANAGEMENT UNIT**

An Giang – Piteå Municipal Partnership program 2012 - 2020



An Giang – Piteå Municipal Partnership Program 2012 - 2020

Changes in rice
communities



Experience exchange
and building capacity



Future
cooperation



Changes in rice communities (2012 – 2018)

RICE HUSK



Changes in rice communities (2012 – 2018)

RICE STRAW

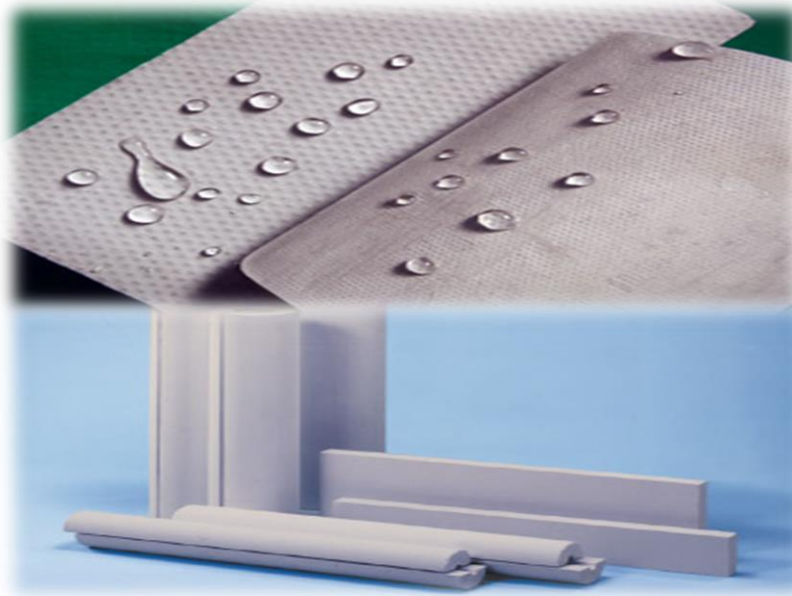


Changes in rice communities (2012 – 2018)

RICE HUSK ASH



Rice husk ash



Thermal insulation materials
(products of JIC)



Fertilizer; Silica powder

Changes in rice communities (2012 – 2018)

No.	Activities	2012	2018
1	The situation of using rice husk	<ul style="list-style-type: none"> Dumped into rivers, canals 	<ul style="list-style-type: none"> Energy production: Heat/electricity Production of high value products: Briquettes, pellet, thermal insulated materials (JIC) Producing silica Making handicraft products
2	The situation of using rice straw	<ul style="list-style-type: none"> Burned out in the fields Used for growing mushrooms and mulching for planting vegetable 	<ul style="list-style-type: none"> Rolled by machine Growing mushrooms Making food for buffaloes / cows Fertilizer, mulching for planting vegetable High value products
3	Number of straw rolling machine	<ul style="list-style-type: none"> 0 	<ul style="list-style-type: none"> ≈ 250
4	Paddy rice cultivation area	<ul style="list-style-type: none"> 625.186 ha 	<ul style="list-style-type: none"> 632.000 ha
5	Collected straw's area	<ul style="list-style-type: none"> 120.000 ha (≈19 %) 	<ul style="list-style-type: none"> 200.000 ha ≈32 %/40% of the action plan (increased 66% compared to 2012)
6	Awareness	<ul style="list-style-type: none"> Rice husk, straw and ash were wastes 	<ul style="list-style-type: none"> Changing views on the value of by-products of people and managers: Developing and approving the Strategy and Action Plan on effective management and use of rice biomass by 2030 (by-products rice is considered a precious resource)

Changes in rice communities (2012 – 2018)

No	Activities	2012	2018
1	❖ Additional income from rice by-products:		
	➤ For farmers	<ul style="list-style-type: none"> ■ cost money for treatment/disposal 	<ul style="list-style-type: none"> ■ Straw's price in the fields: 500.000 đ/ha ■ Straw roll's price: ≈ 20.000 -25.000/roll ■ Husk's price: 600 đ – 1.500 đ/kg ■ Ash's price: 120.000 đ – 200.000 đ/ton
	➤ Entrepreneur: rolling straw, producing Briquettes, pellet, ash	<ul style="list-style-type: none"> ■ There is no straw bales business 	<ul style="list-style-type: none"> ■ Profit from new business (trading straw/Briquettes, transport)
	➤ Rice mill owners (Using rice husk to dry paddy rice and selling rice husk)	<ul style="list-style-type: none"> ■ High Energy cost (electricity - heat) 	<ul style="list-style-type: none"> ■ Save energy costs and gain high profits from rice husk and rice husk ash
	➤ Creating jobs for rural labors	<ul style="list-style-type: none"> ■ None 	<ul style="list-style-type: none"> ■ Create jobs in rural areas (Drive straw rolling machine, portorage - transport)
2	❖ Rice husk ash	<ul style="list-style-type: none"> ■ Planting vegetables / flowers 	<ul style="list-style-type: none"> ■ Towards producing silica and other high value products

Experience exchange and building capacity (2012 – 2018)

- ❖ **2012: 14 officials** (Delegation 1: Huỳnh Thế Năng, Trần Anh Thư, Trần Đăng Đức, Đinh Thị Việt Huỳnh, Nguyễn Thị Vân Hà and Delegation 2: Phạm Ngọc Xuân, Lý Thị Thanh Tuyền, Đoàn Ngọc Phả, Nguyễn Thị Minh Kiều, Trần Trường Giang, Phạm Bảo Lộc, Võ Chí Trung, Nguyễn Thị Ngọc Dung, Lê Nguyên Cẩn)
- ❖ **2013: 22 officials** (Delegation 1: Võ Anh Kiệt, Đinh Thị Ngọc Sương, Thái Mỹ Anh, Phan Văn Cường, Võ Thị Nhiệm, Nguyễn Trọng Thành, Trịnh Thanh Sơn, Đỗ Hải Long, Nguyễn Văn Kiên và Nguyễn Ngọc Vệ; (Delegation 2: Huỳnh Thế Năng, Nguyễn Thanh Bình, Thái Hữu Phép, Trương Minh Thuận, Đinh Thị Việt Huỳnh, Trần Thị Kim Loan, Ngô Công Thức, Phạm Ngọc Xuân, bà Nguyễn Thị Vân Hà và Nguyễn Văn Toàn)
- ❖ **2014: 5 officials** (Hồ Việt Hiệp, Thái Thúy Xuân, Đinh Thị Việt Huỳnh, Phạm Ngọc Xuân, Nguyễn Thị Vân Hà)
- ❖ **2015: 6 officials** (Delegation 1: Phạm Ngọc Xuân and Trịnh Thị Kim Vô; Delegation 2: Hồ Việt Hiệp, Đinh Thị Việt Huỳnh, Phạm Ngọc Xuân, Nguyễn Thị Vân Hà)
- ❖ **2016: 17 officials+ 10 business staffs** (Delegation 1: Hồ Việt Hiệp, Đinh Công Minh, Đinh Thị Việt Huỳnh, Nguyễn Thị Vân Hà, Võ Hùng Dũng, Trần Tiến Hiệp, Lý Thị Thanh Tuyền, Huỳnh Thị Ngọc Hiền, Phạm Ngọc Xuân, Trịnh Thị Kim Vô, Phạm Thành Thái, Nguyễn Thiên Thanh, Nguyễn Trần Thiện Khánh; Delegation 2 went to **INDIA**: Phạm Ngọc Xuân, Nguyễn Thị Vân Hà, Đoàn Minh Triết, Trương Kiến Thọ, Trịnh Thị Kim Vô)
- ❖ **2017: 10 officials** (Hồ Việt Hiệp, Lâm Quang Thi, Vũ Thế Cường, Mã Lan Xuân, Đinh Thị Việt Huỳnh, Đoàn Minh Triết, Nguyễn Ngọc Mộng Kha, Phạm Ngọc Xuân, Nguyễn Thị Vân Hà, Trịnh Thị Kim Vô)
- ❖ **2018: 13 officials** (Delegation 1: Đinh Thị Việt Huỳnh, Châu Văn Ly, Tăng Phú An, Nguyễn Điền Tân, Cù Minh Trọng, Phạm Ngọc Xuân, Nguyễn Công Kha, Trịnh Thị Kim Vô, Nguyễn Minh Trang; Delegation 2 went to **INDONESIA**: Võ Hùng Dũng, Lý Thị Thanh Tuyền, Phạm Ngọc Xuân, Trịnh Thị Kim Vô, Trần Nhân Tâm, Võ Hứa Huyền Trâm)

Experience exchange and building capacity (2019 – 2020)

❖ 2019: 20 people

+ Go to Piteå: 11 people (Nguyễn Thanh Bình, Đinh Thị Việt Huỳnh, Phạm Ngọc Xuân, Nguyễn Thị Vân Hà, Nguyễn Thị Ngọc Lan, Nguyễn Công Kha, Đoàn Hồng Danh, Đoàn Đức Định, Trịnh Thị Kim Vô and 12 officials)

+ Go to China: 10 people

❖ 2020: 20 people

+ Go to Piteå: 11 people

+ Go to a third country: 10 people

Experience exchange in Piteå 9/2012



Experience exchange in Piteå 3/2013 and 6/2013



Experience exchange in Piteå 5/2014



Experience exchange in Piteå 5/2015



Experience exchange in Piteå 8/2016



Experience exchange in India

9/2016



Experience exchange in Piteå 8/2017



Experience exchange in Piteå 8/2018



ICLD workshop and training in Indonesia 12/2018



Future cooperation between An Giang and Piteå

New proposals focus on young generation

- ❑ **Objectives:** Improving young people's engagement in society and developing the communication with citizens
- ❑ **Project life:** 1 year broadening and developing
- ❑ **Activities:**
 - ▶ Improving presentation skill/ entrepreneurial skills
(Start-up projects/plans)
 - ▶ Building capacity on arranging and developing their own projects/plans
 - ▶ Dialogue for sharing knowledge, experience and culture between young generation in An Giang and Piteå
 - ▶ Preparing for the application for a three-year project **2021 – 2023**

Future cooperation between An Giang and Piteå

New proposals focus on young generation

❖ If applications are granted by ICLD:

➤ **2020: 6 people (one-year project)**

- Being completed and sent to ICLD in June, 2019
- Implement project's activities: January to December, 2020

➤ **2021 – 2023: 30 people (10 people/year for three-year project)**

- Being completed and sent to ICLD on October 15th, 2020
- Implementing project's activities: 2021 - 2023

A pair of hands is shown holding a small, blue and green globe of the Earth. The globe is surrounded by several large, vibrant green leaves. The hands are positioned as if cradling the globe and leaves. The background is a soft, out-of-focus blue. The overall image conveys a message of environmental care and gratitude.

Thank you !