

MEDICINAL PLANTS IN VIETNAM: BREEDING AND OUTREACH FOR SUSTAINABLE DEVELOPMENT

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KIM HOÀNG LTD COMPANY

I. Introduction to the Kim Hoang Company

II. Background to Kim Hoang's operations

III. Some stories: good, and others

IV. Future plans

KIM HOÀNG LTD COMPANY

KIM HOÀNG LTD COMPANY is privately owned and was established in 2008.

Website: <http://kimhoang.vn>

Main activities:

- Consulting on land use planning
- Mapping and satellite of forest.
- Agro-forestry research.
- Supply of medicinal plants to smallholder producers.
- 40 permanent staff; 10-30 part-time / seasonal.
- Over 20 ha planted in medicinal plants.



BACKGROUND ON MEDICINAL HERBS

A survey by Thuy (2018): 61.3% of Vietnamese people in Dai Tu district, Thai Nguyen Province preferred traditional Vietnamese treatments over others.

Two types of traditional medicines:

- **Northern region:** follows Chinese methods.
- **Southern region:** uses traditionally Vietnamese methods that are in widespread use in Vietnamese communities and hospitals.



In Vietnam, over 5.000 species of plants are considered medical plants. Due to past unsustainable practices, the resource of medical plants in Vietnam has been depleted and some plants are endangered or have become extinct.

MEDICINAL PLANTS IN KIM HOANG COMPANY

Morinda officinalis.H



Solanum trilobatum



Camellia chrysantha



MEDICINAL PLANTS IN KIM HOANG COMPANY



Cây Ba Kích
Morinda officinalis



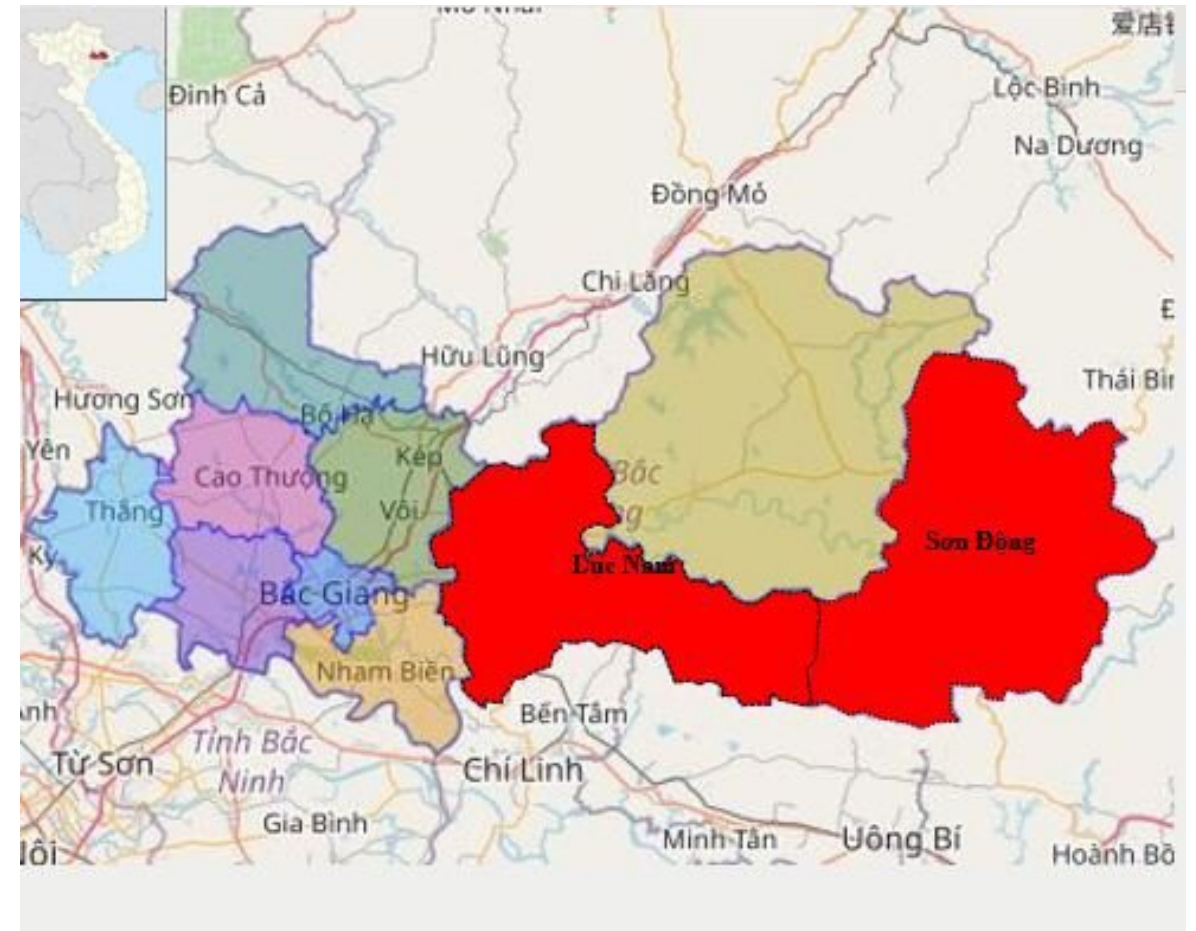
Cây cà gai leo
Solanum trilobatum

A PROJECT FOR SUSTAINABLE DEVELOPMENT OF MEDICINAL PLANTS

Bac Giang Provincial Government
Project (2018-present).

Project Aim:

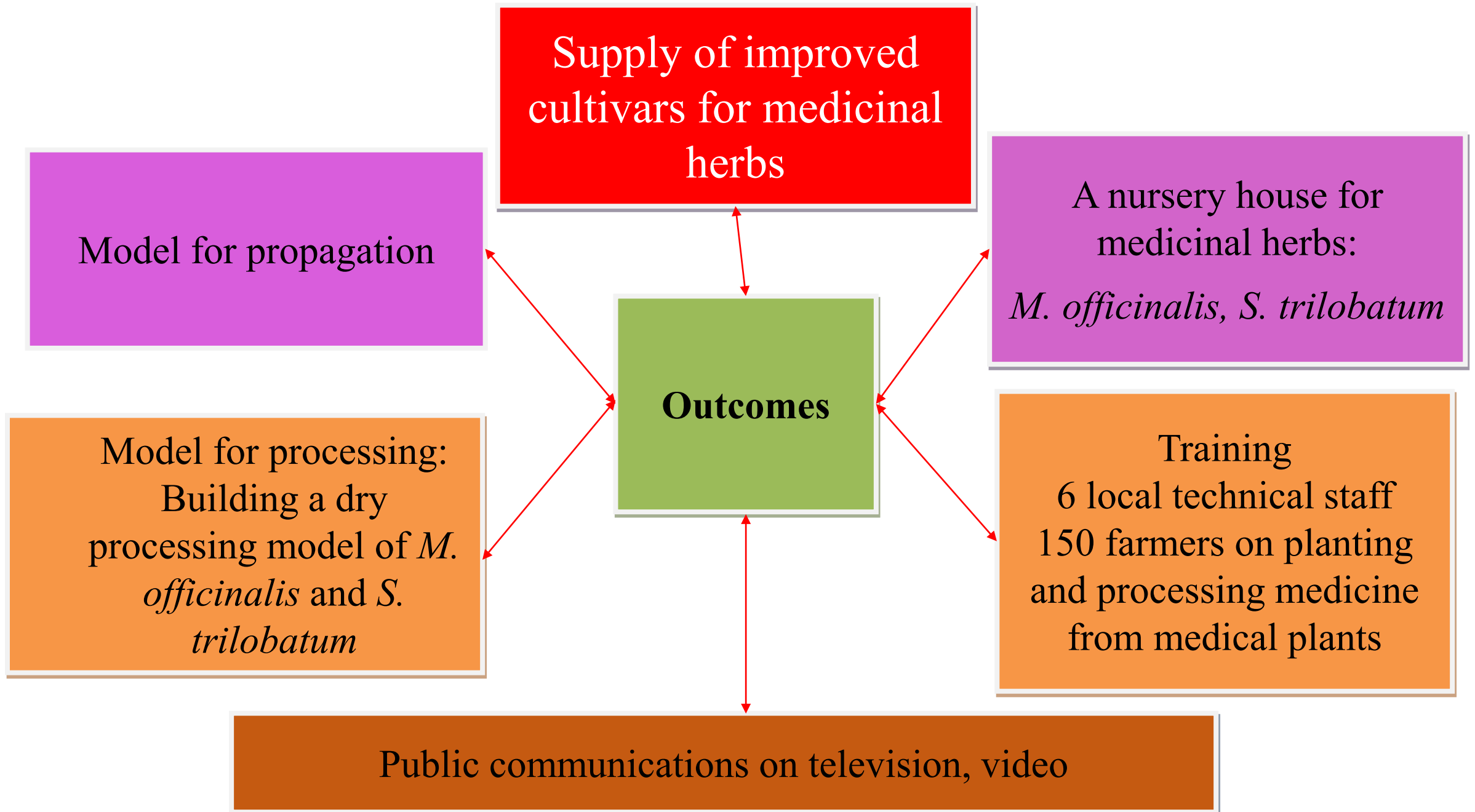
- Develop medicinal plants to meet the domestic demand and improve livelihood for local people.
- Meet standards of GACP-WHO in Bắc Giang.



OUTREACH FOR THE DEVELOPMENT PROJECT

1. Selecting the proper varieties of *Morinda officinalis* and *Solanum trilobatum* growing well in the Bac Giang province
2. Establishing profitable production models for *Morinda officinalis* (25 ha) and *Solanum trilobatum* (5 ha)
3. Establishing a process for propagating *Morinda officinalis* and *Solanum trilobatum*
4. Establishing a process for cultivating, caring for, and harvesting *Morinda officinalis* and *Solanum trilobatum*

OUTREACH: COMPANY INPUT TO THE DEVELOPMENT PROJECT



AS A PLANT BREEDER, THE MARKET FOR MEDICINAL HERBS

As an entrepreneur. I am pioneering medicinal herbs, including *M. officinalis*, and *S. trilobatum* in Bac Giang.

A big gap in the market for medicinal herbs emerged due to over exploitation; and high demand. Covid-19 has further boosted demand.

Some species contain good genetics that are resistance to crop disease.

Enlarging planted areas and developed processing has provided a way forward.

STORIES OF SUCCESS... AND OTHER STORIES

- Conservation of over 20 medicinal plant species
- Facilitating permanent jobs for local residents to improve livelihood.
- Producing 100-150,000 seedlings each year and gain more than 3 billions dong (USD 60 thousand).
- Establishing medicinal herbs' **production** base for the processing factories.
- In 2008-2010, we lost 500 seedlings of *M. officinalis* at a cost of USD12 thousand. A high-pressure time for the business.
- In 2010, a second try with *M. officinalis*. Three years later identified 2 varieties for high yield, but the markets for this products were not developed.
- Further investment in marketing was needed.

FUTURE PLANS FOR THE COMPANY

- Continuing research on *M. officinalis* and *S. trilobatum*, for the whole of Vietnam.
- Establishing processing factories for medicinal herbs.
- Secure a protection right for breeding medicinal plants, especially *M. officinalis* in Bac Giang.
- Enlarging planted areas for medicinal herbs.
- **Planting some 10% of 14 million** hectares forest land in Vietnam in medicinal herbs.
- Further work with smallholders.

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THANKS FOR LISTENING

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