



## Successful business model: where the sustainability can be achieved



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*Sustainable recycling business model*



### Common impressions to typical recycling business in developing countries

- Dirty
- Cheating
- Associated with crime
- High health risk
- Polluted environment
- Focus on monetary profit only
- Job of the poor
- etc

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- Is it true?
  - Does it change?
  - How to change?

## Contribution of the recycling business to the society

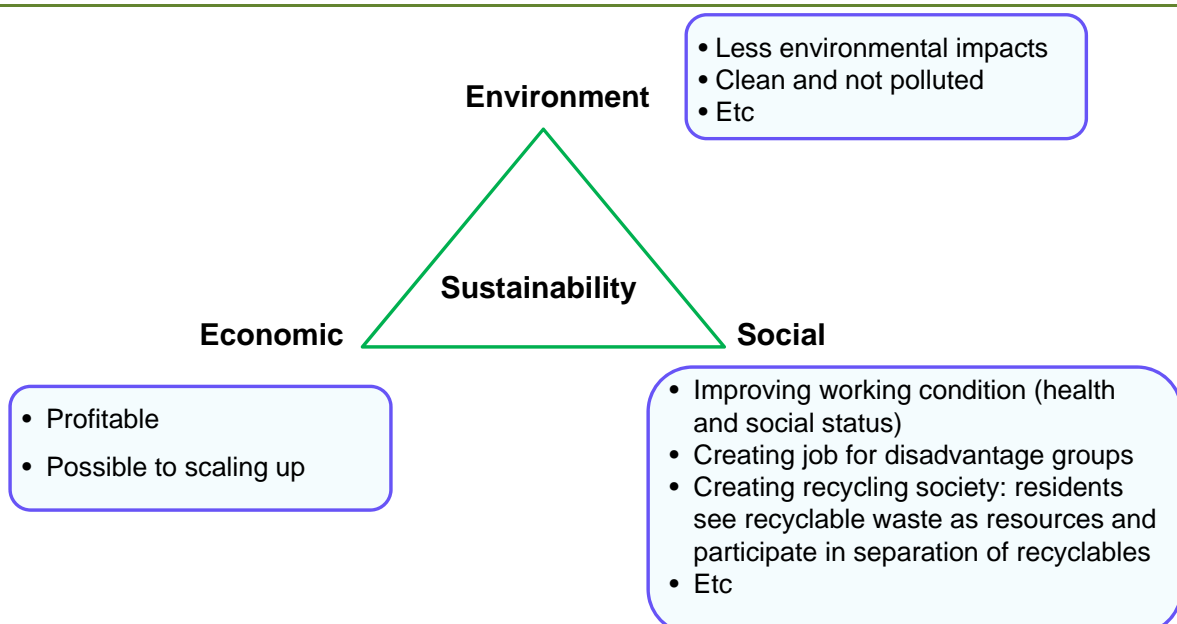
### 1) Solving constraints of local governments

- Separation of recyclables from the waste stream
- Reduce workload and budget of local governments on waste collection, transport and disposal
- Saving landfill space and extend lifetime of landfill

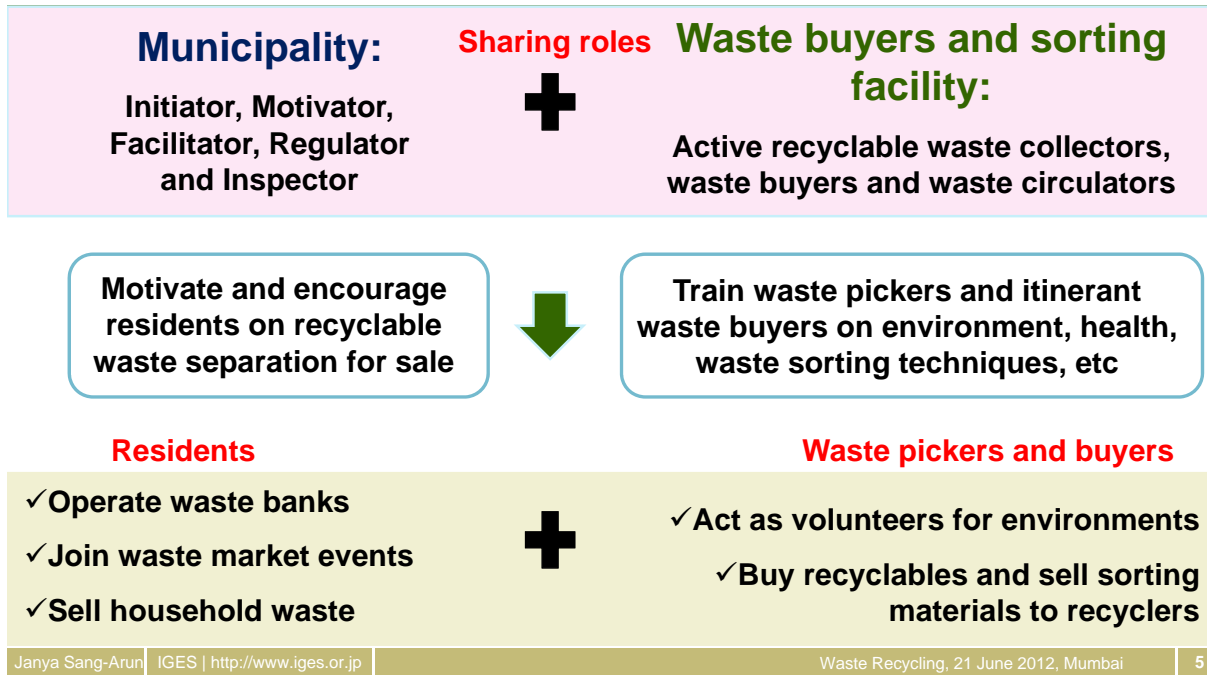
### 2) Circulating recyclable materials to the production side, especially metals

### 3) Reducing greenhouse gas emissions by avoiding natural resource extraction, virgin material production and waste disposal

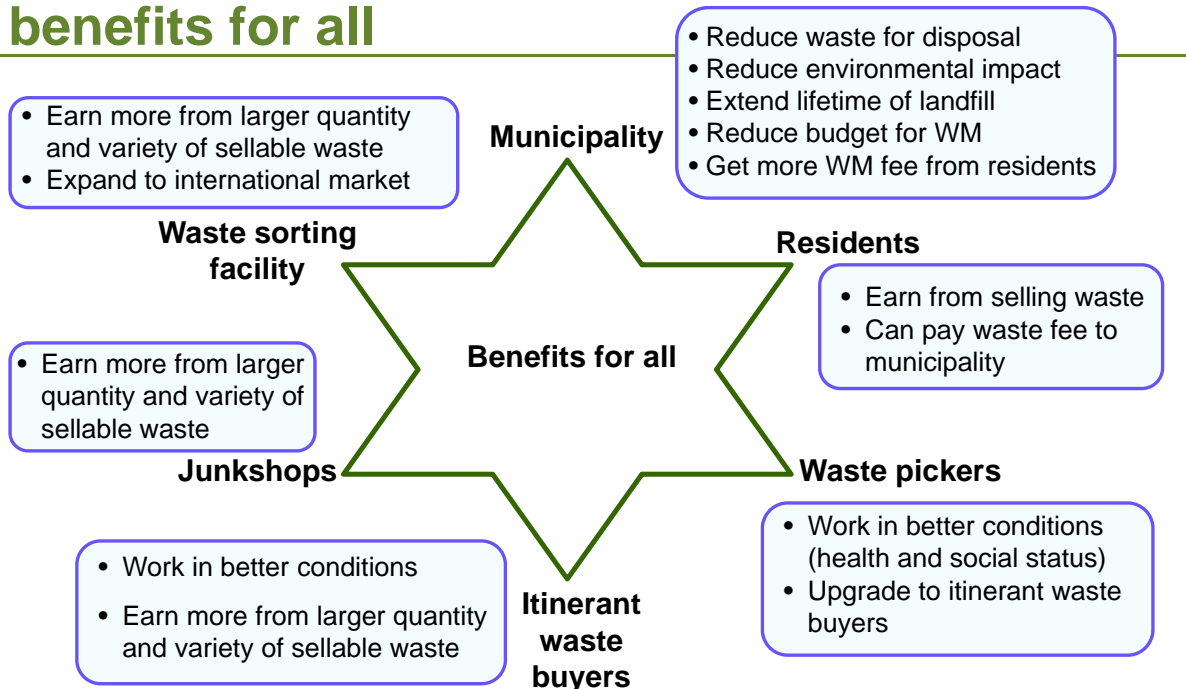
## How to make the recycling business be fully acknowledged and successful in the context of developing countries



## Example: Participatory recycling business model in Phitsanulok, Thailand



## Sustainable recycling business should benefits for all



## Promoting sustainable recycling business in Asia

### IGES in collaboration with EMC and other partners:

- Investigate and extract lesson learnt from Wongpanit recycling business model and other models in Thailand, India, China and Malaysia
- Identify barriers and driving factors of recycling business development in target countries
- Develop recommendations on how the establishment and development of an environmentally-socially-economically sound recycling business can be extended for encouraging the 3Rs implementation



# Thank You