Continent: Asia **Country: Vietnam**

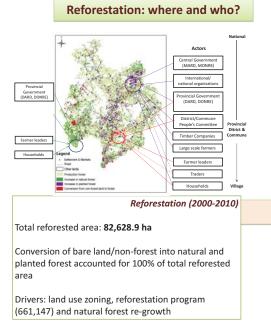
Bac Kan province

Mean annual rainfall: 1600 mm



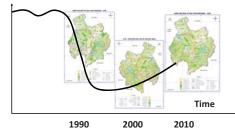
Tree cover transitions in space and time

Spatial distribution of forest changes in Bac Kan (2000-2010)



Land cover change (1990-2010)

Forest/tree cover (ha)



- Forest cover decreased in 1990-2010, and increased up to 2010
- Government's reforestation programs provide financial, institutional and technical support for forest users group to protect forests.
- However, forests degradation continue-- medium & poor forest are opened for shifting cultivation & illegal logging
- The forest areas that increase are either poor regenerated forest or planted forest that both have low C-stock.
- Mono-plantation forests are established mostly in the production forest zone to address the demand for raw materials for pulp & paper and wood chips.
- Concerns and debates on forest quality have been high, particularly when PES and REDD+ entered the province's strategic considerations



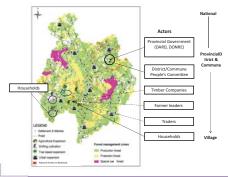






between different drivers of factors

Deforestation: where and who?



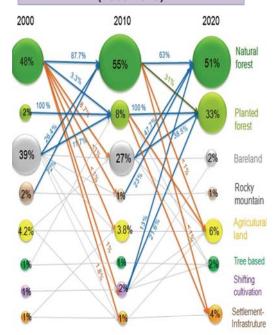
Deforestation (2000-2010)

Total deforested area:22.259.4 ha

Conversion of forest into bare land with scattered trees accounted for 94.3% of total deforested area

Drivers: Illegal logging, legal concessions, natural deforestation, conversion of natural forest to planted forest, timber demand

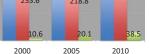
Pathways of tree cover change (2000-2020)



Tree based systems/areas have been and will continue to increase significantly compared to non-tree based systems or agricultural lands

> Contact: Do Trong Hoan Email: t.do@cgiar.org





Change

and impact

Natural fo

Parteto forest/-

Non forest land

g **Thousands**

Indirect drivers

Decision 147.

which allows

conversion of

poor natural

forest to

antation fores

Forest land

allocation policy

Government

reforestation

programs

Infrastructure

development

Household soci

economi

motitions

246.2

Direct drivers

Area of poor natural

rest to plantatio

forest (+)

Total land owned by

household (+)

edlings of forest to

species provided

Cash incentives for

forest plantation (

lance to nurserv

Distance to urba

centres (-)

sehold size 2000 i-

usehold size 2012 (+)

Paddy income 2000 l

Paddy income 2012

Forest Natural Forest Planted Forest