The journey of a forestry consultant



World Forest Institute



Forestry Economist

International Fellow from Costa Rica
World Forestry Center
2019





Area:

- Oregon 99K Miles²
- Costa Rica 20K Miles² (1/5)

Population Density:

- Oregon 40 Hab /Mile² (2018)
- Costa Rica 250 Hab/ Mile² (2017) 6.25x

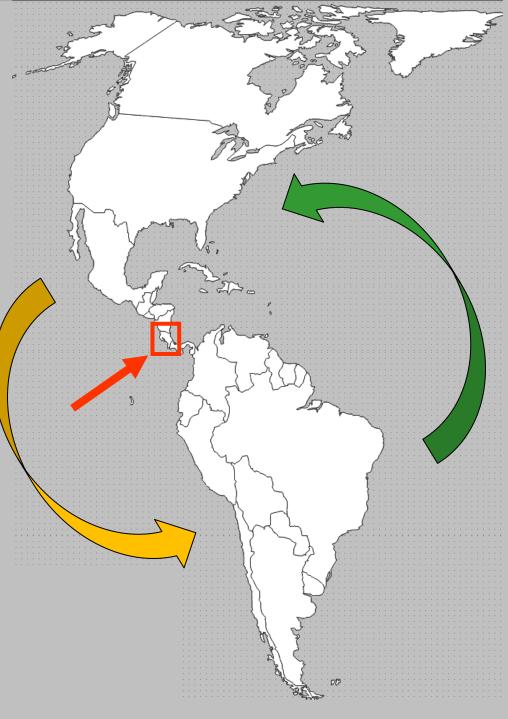
Republic of Costa Rica

Interesting Facts:

- Most stable democracy in LatAm (130+ years)
- Abolished its own army (1948)
- Developed a green economy in the last 3 decades
 - Basis for a successful naturebased tourism industry



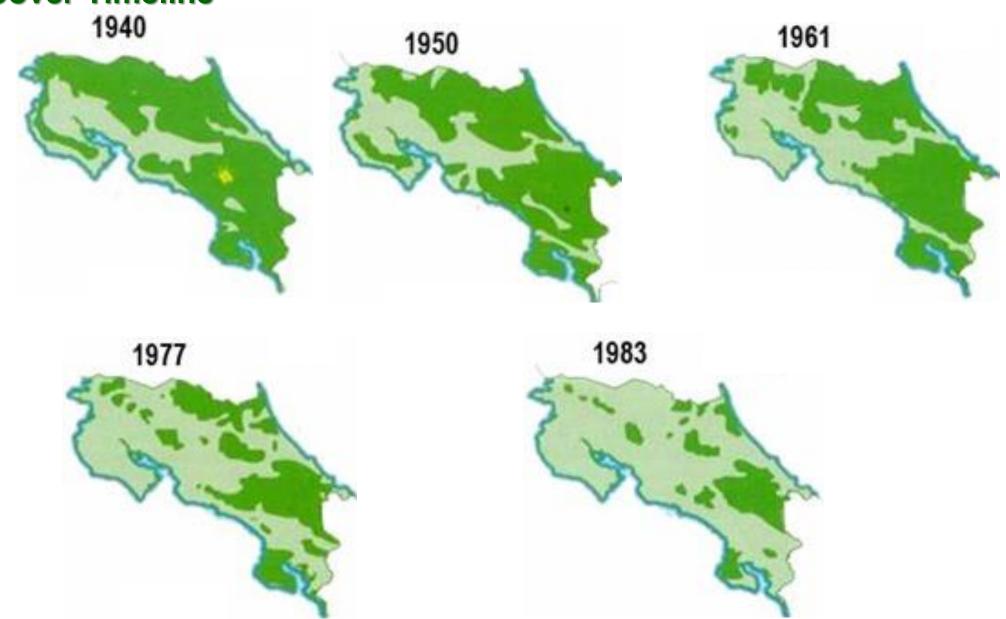
Biological bridge



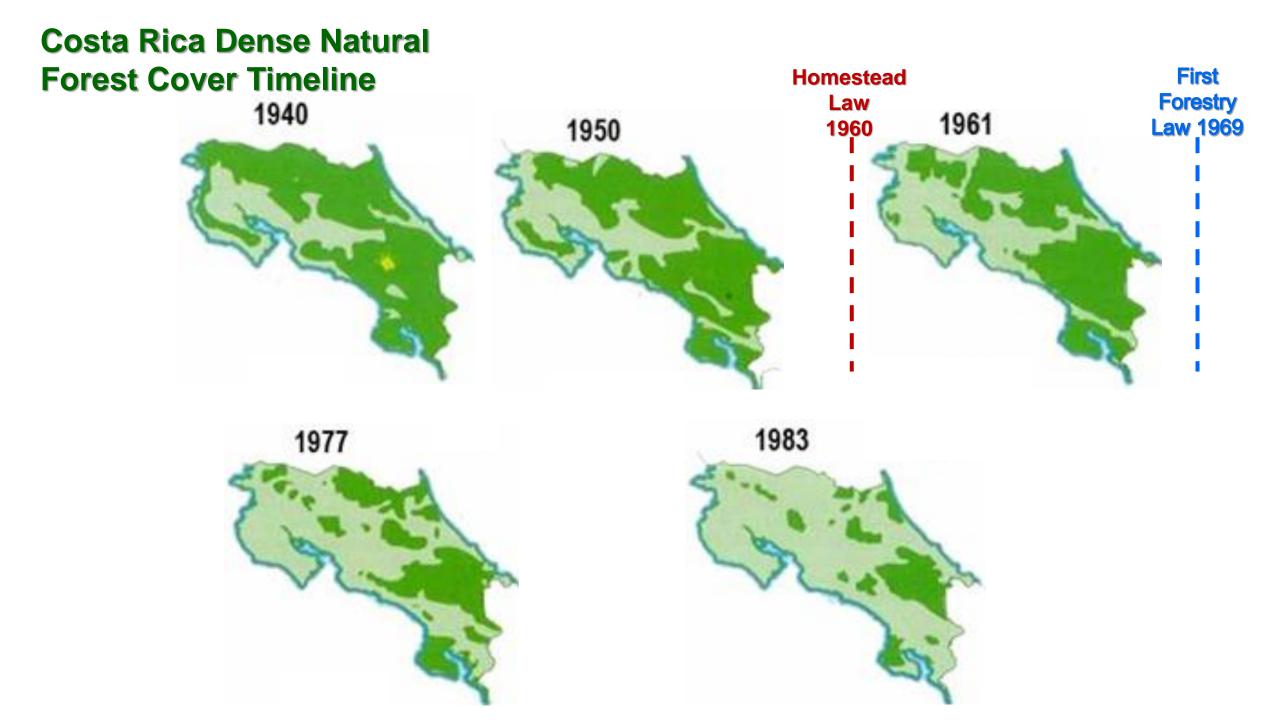


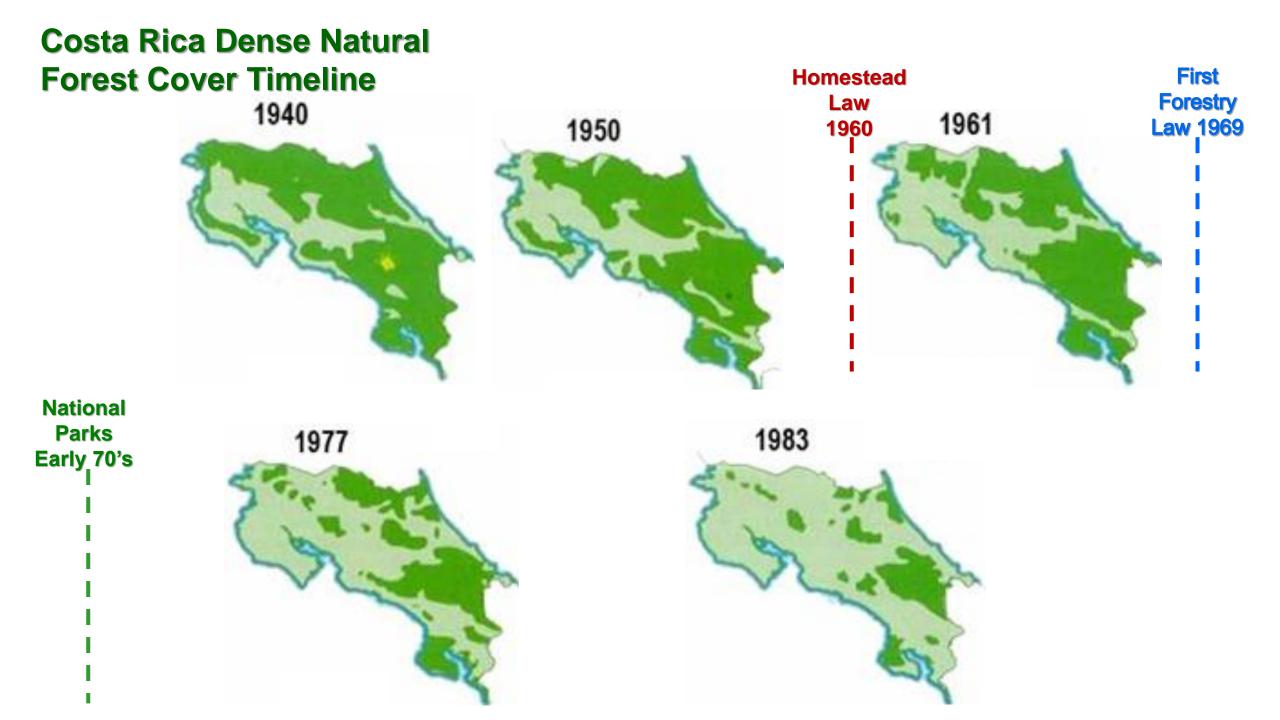


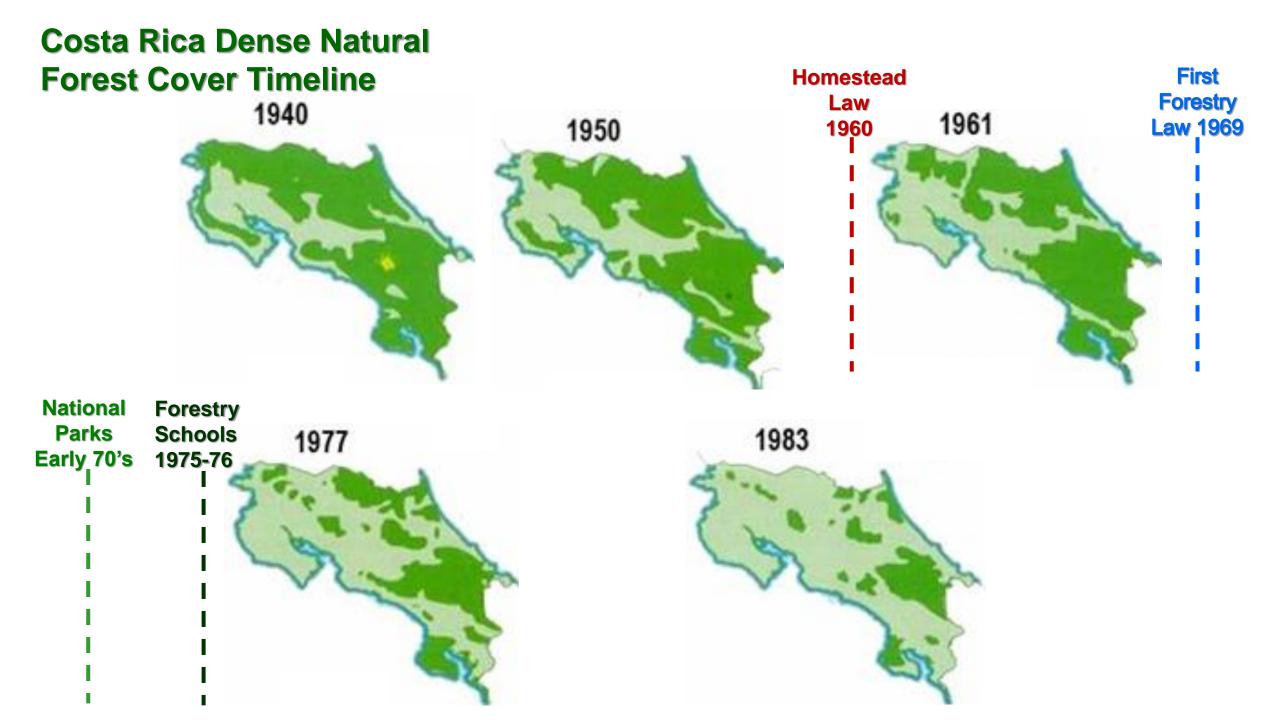
Costa Rica Dense Natural Forest Cover Timeline

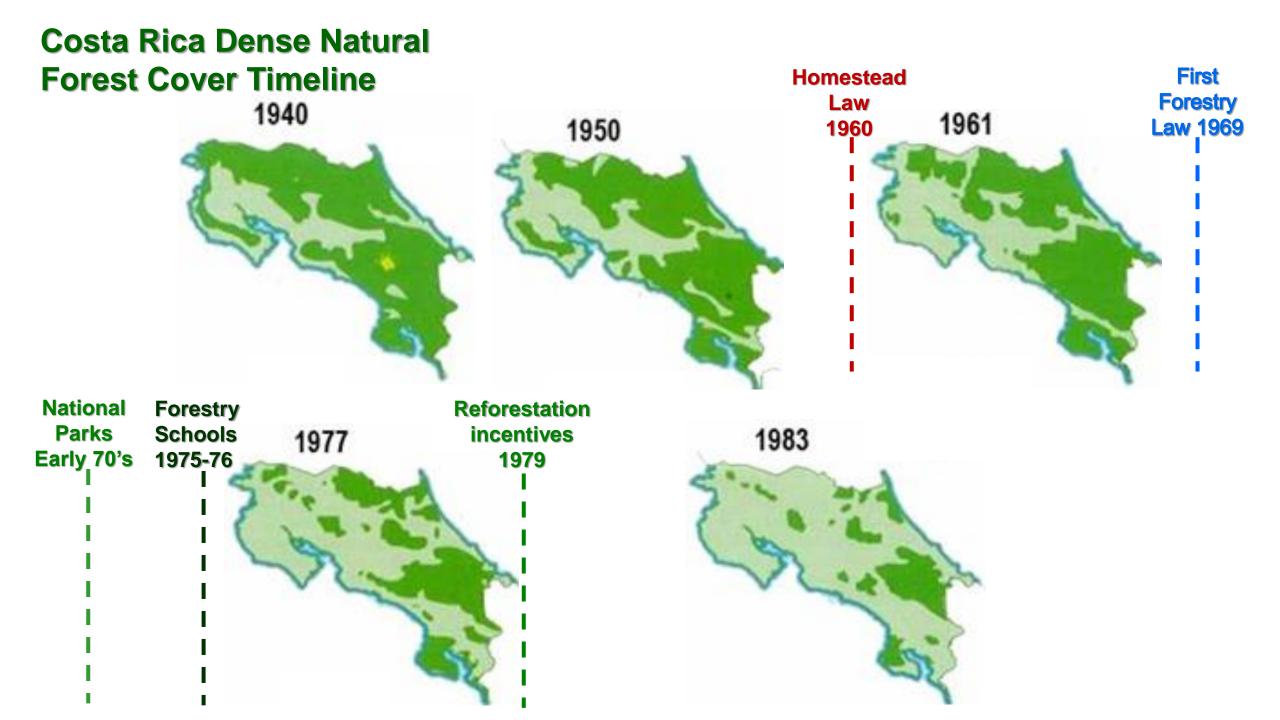


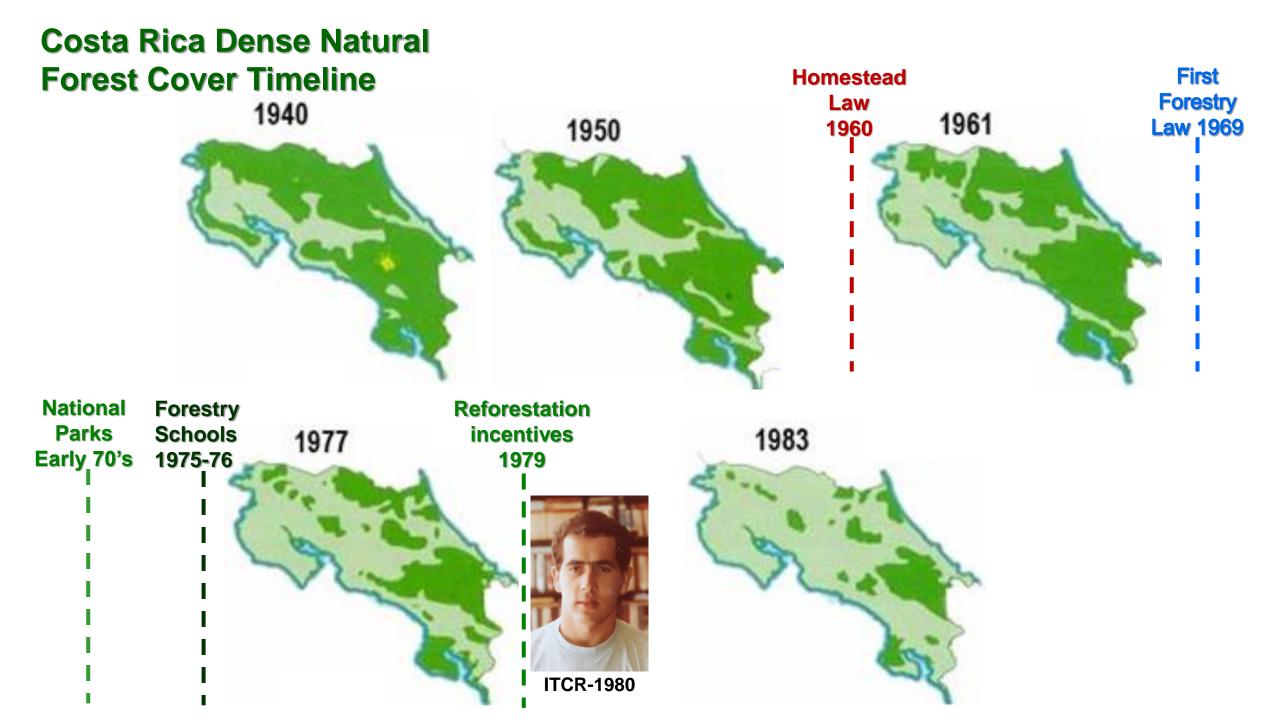
Costa Rica Dense Natural Forest Cover Timeline Homestead Law 1940 1961 1950 1960 1983 1977

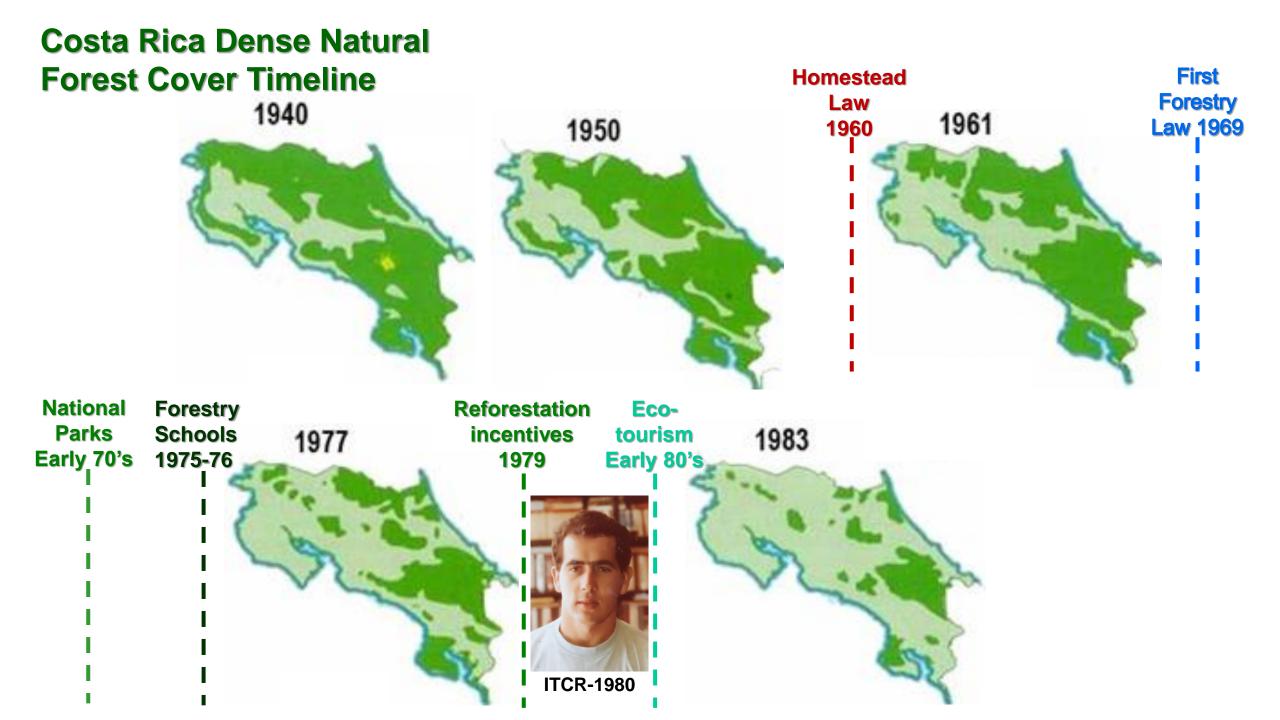


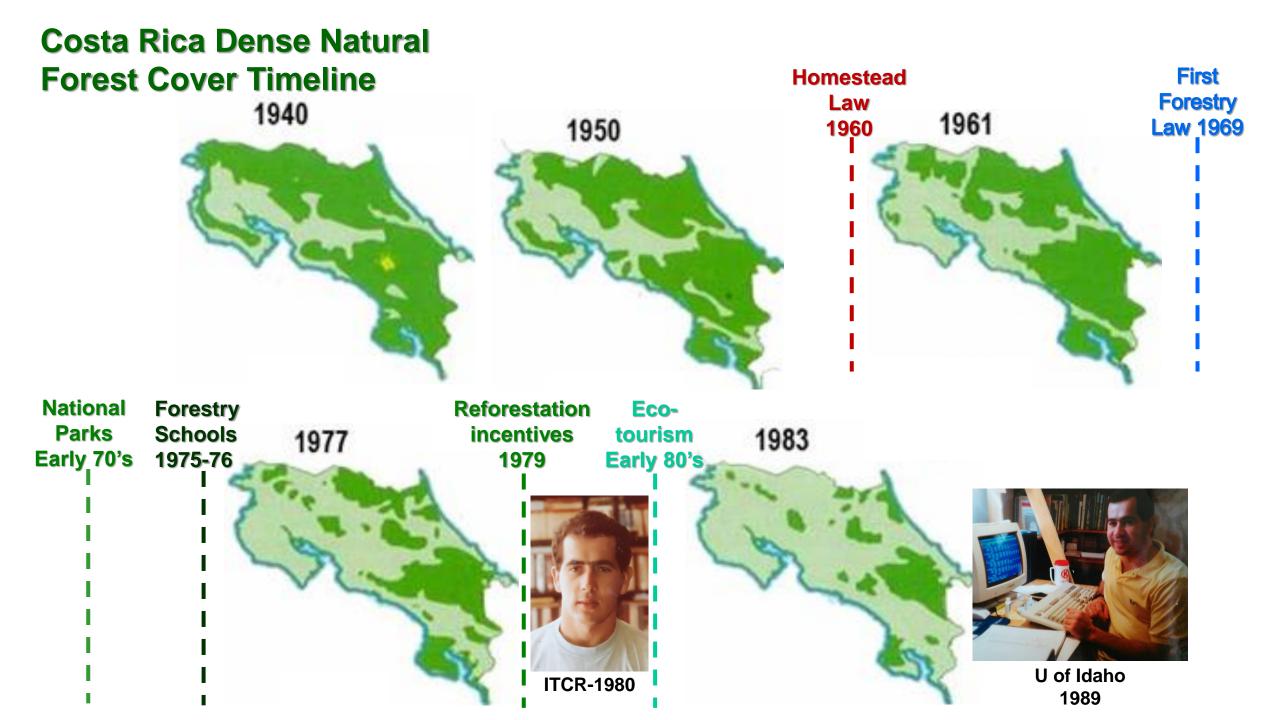


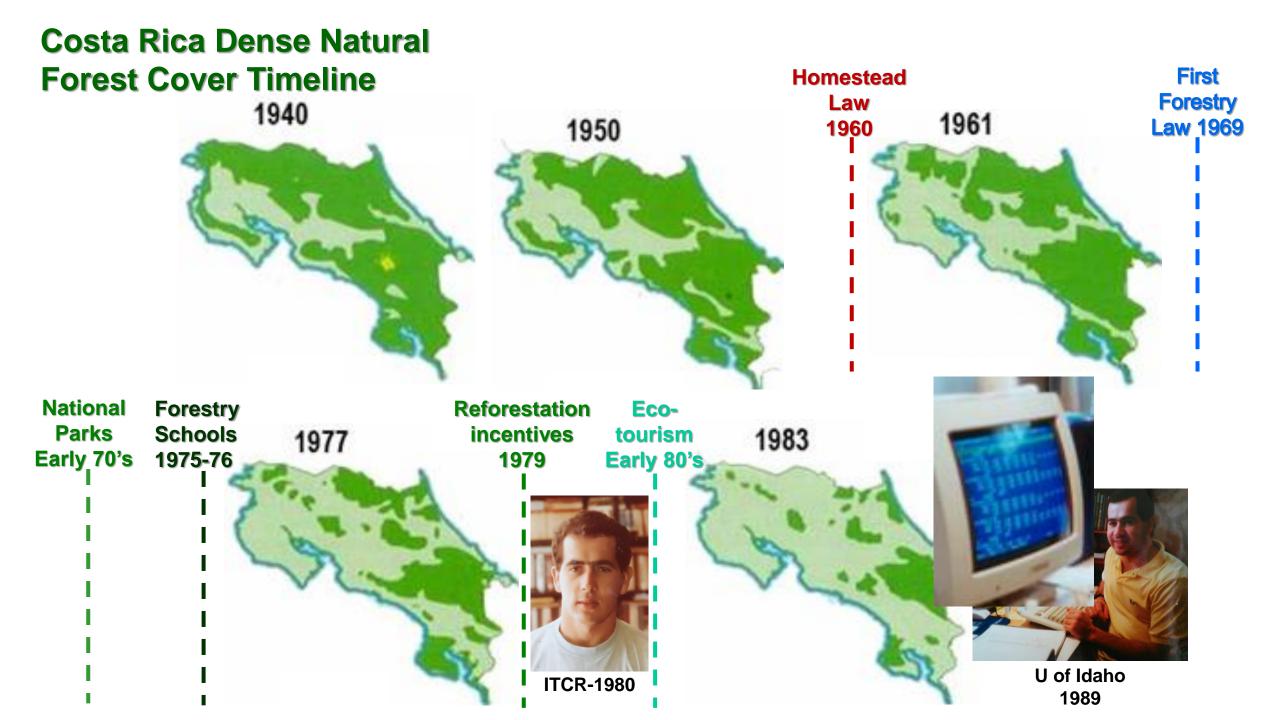


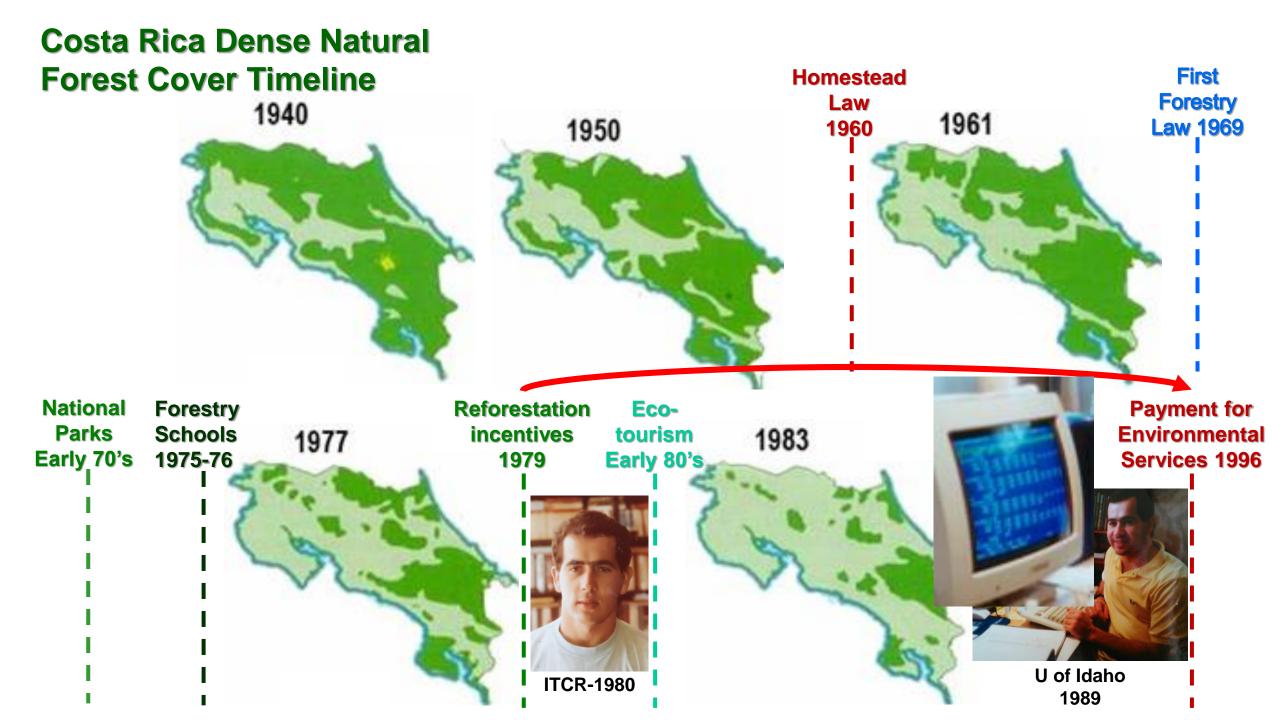




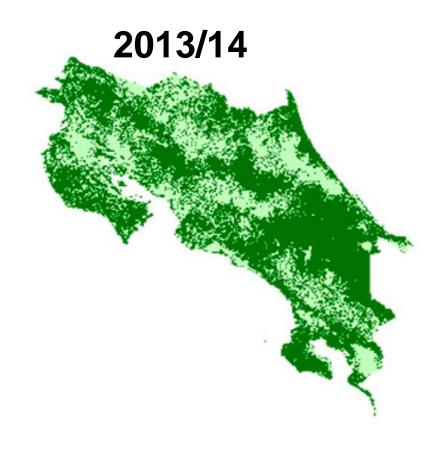








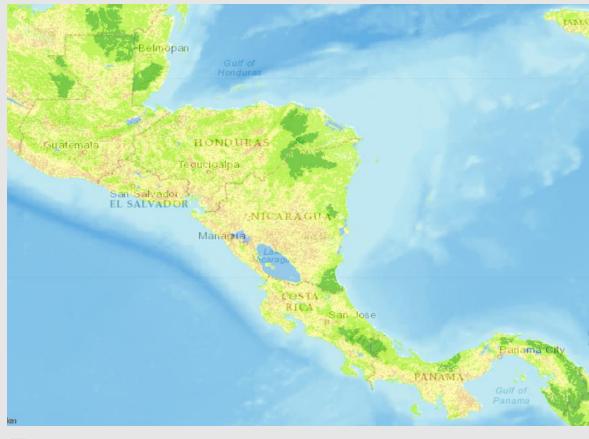




Costa Rica practically doubled its forest cover in the last 30 years

Current versus potential condition of forests in Central America

Current condition of Central American forests and woodlands



Intact

Fragmented/managed

Degraded

Deforested

Source: WRI.org

Potential extent of Central American forests and woodlands



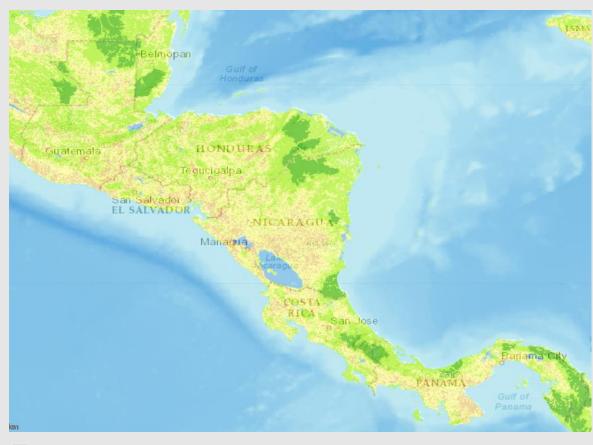
Closed forests (canopy cover >45%)

Open forests (canopy cover 25-45%)

Woodlands (canopy cover < 25%)

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Time ± 20 years





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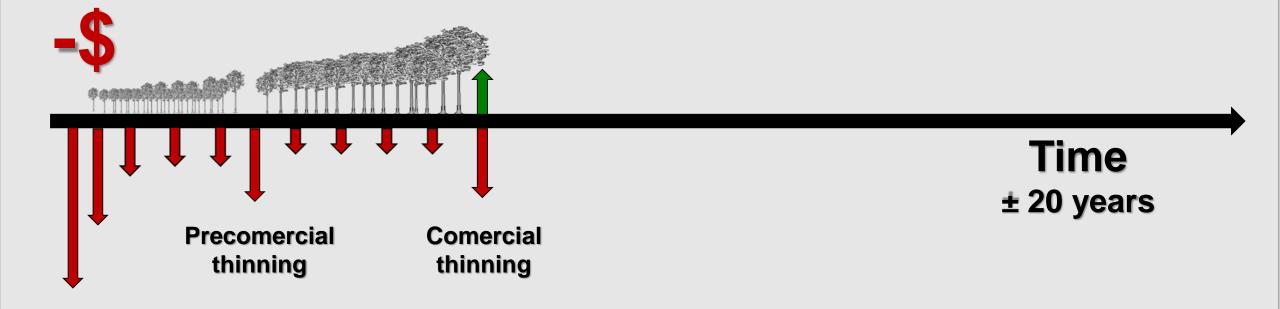


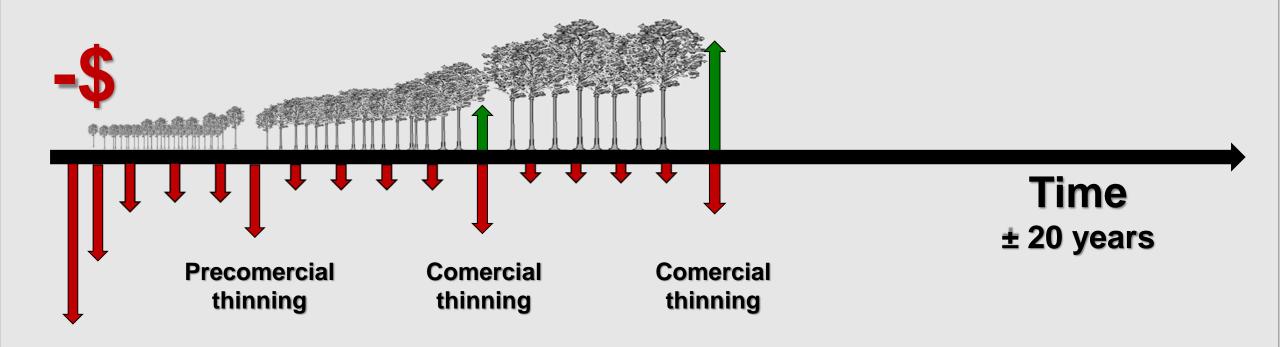


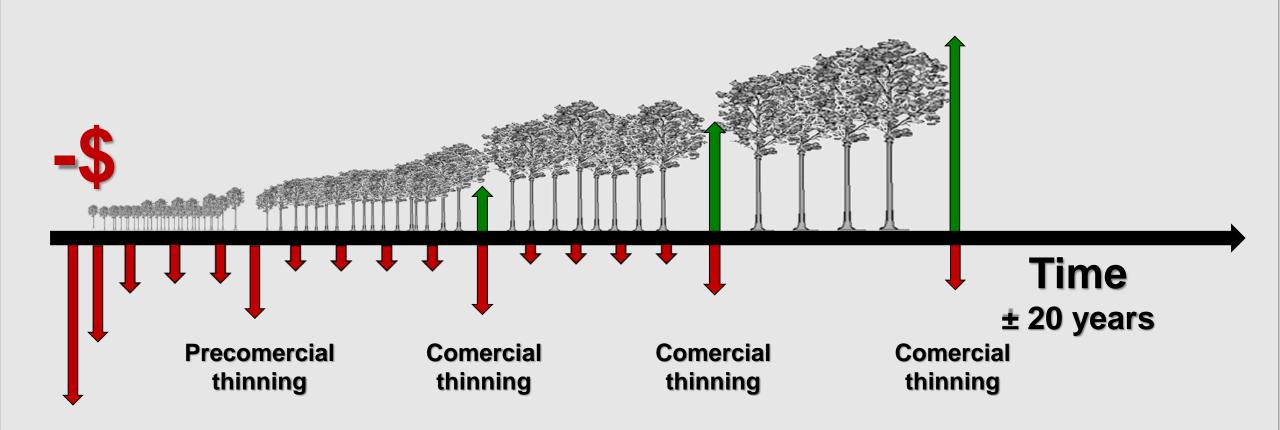


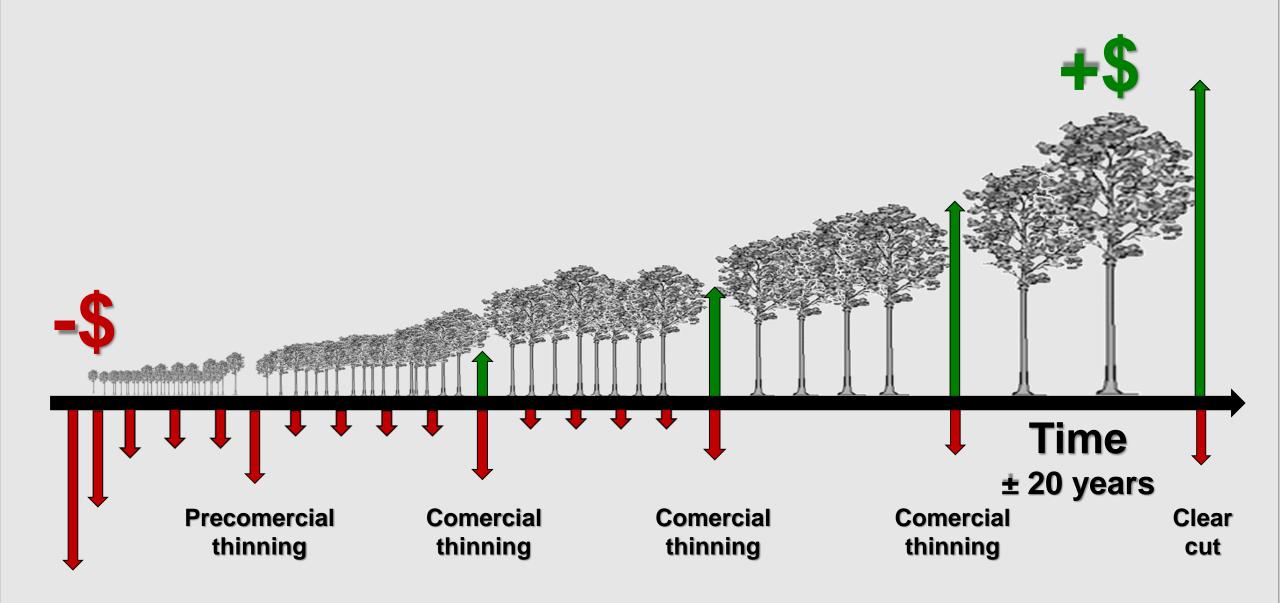






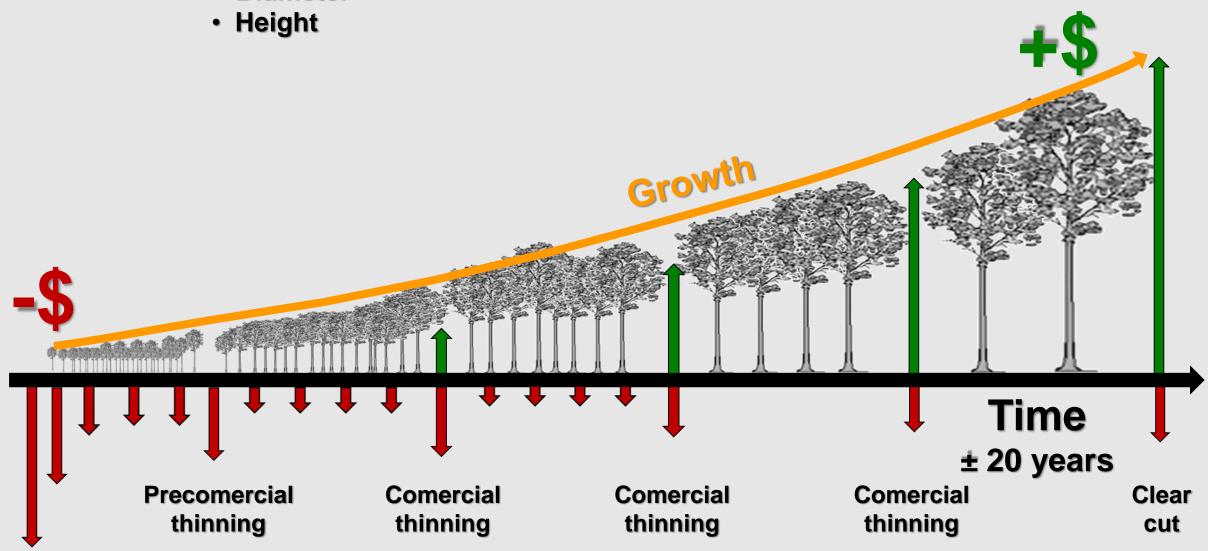


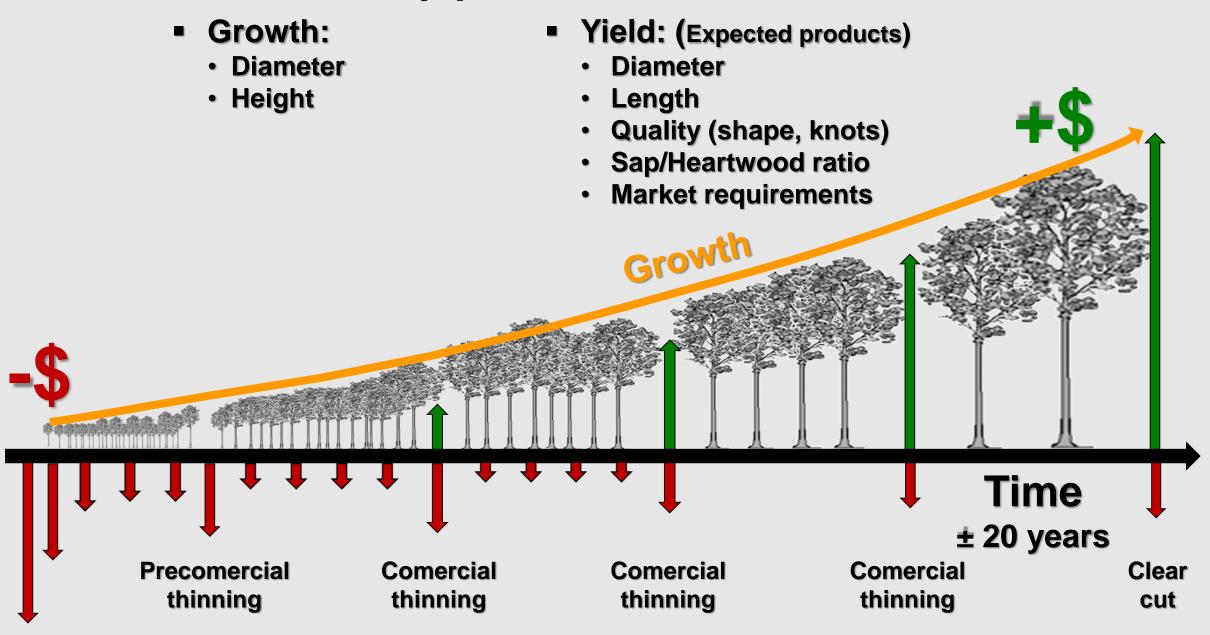


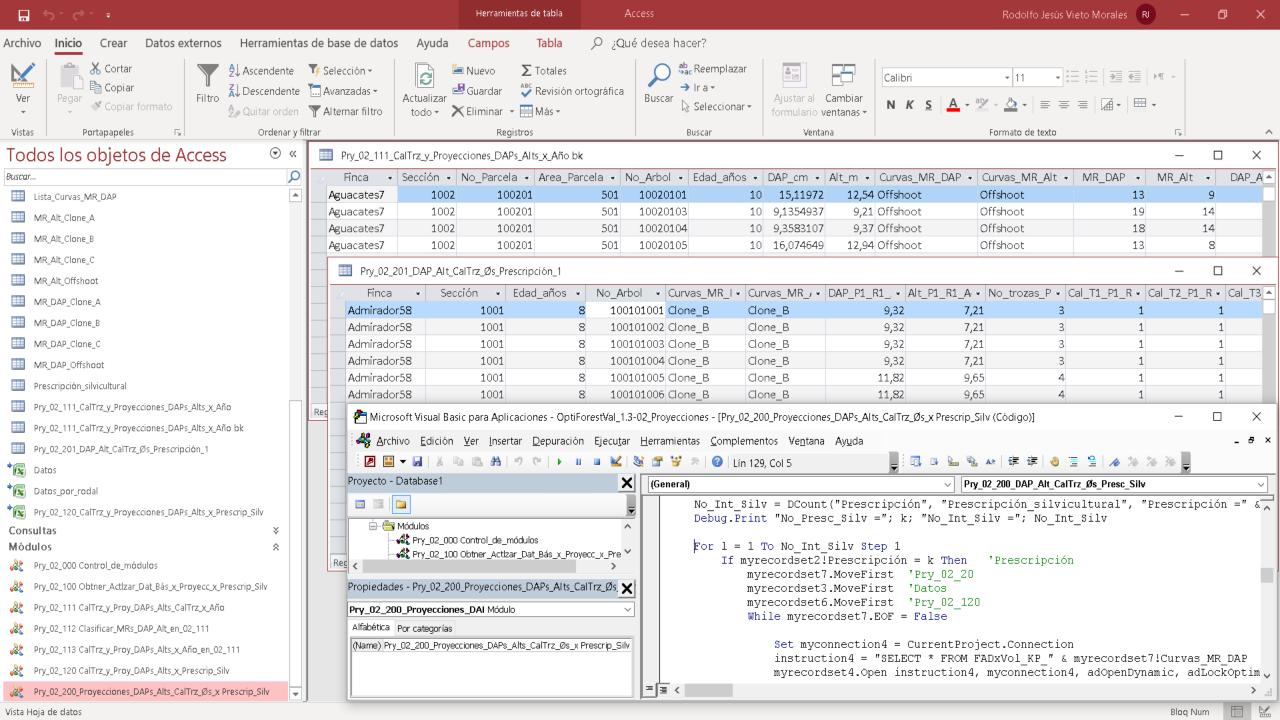


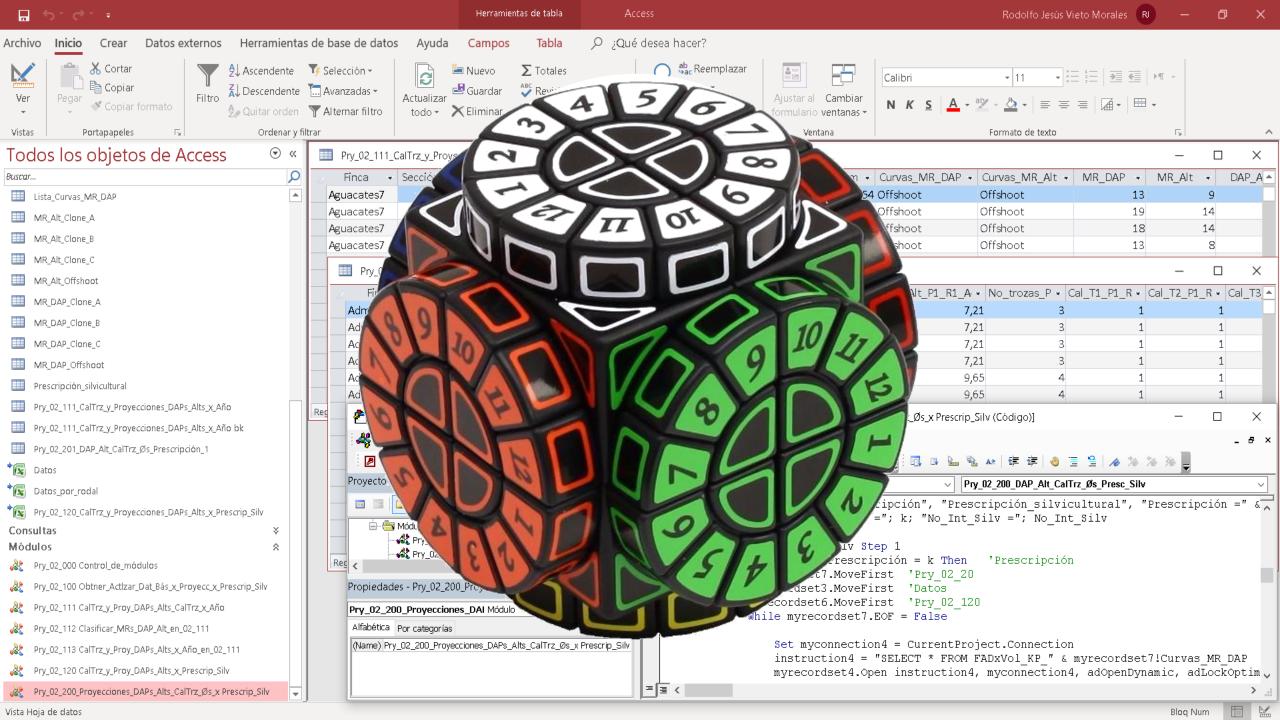
Growth:

Diameter









My work at the WFC

Objectives

- Learning about best forest management practices and technological trends in the forest products supply chain in the PNW
- 2. Evaluating my growth and yield projection tool and setting improvement goals for it where needed









Objective #2: Evaluation of my G&Y projection tool

Internship with Greenwood Resources Inc.

Validating my growth and yield projection tool



Findings

My G&Y projection tool:

- Produces:
 - Highly detailed product merchandizing projections on a log by log basis
 - More realistic products valuation
- Needs some tweaks:
 - Time-efficient in processing, in some of its modules
 - Add new output formats to it



What am I taking back home?

- A list of improvements to work on my G&Y tool
- A close understanding of the kind of work GWR does and may need help with in the future
- A strong professional network to
 - Connect with Central American reforestation actors
 - Develop faculty lead study trips to Central America
- A very enriching experience of living within a society with a betterbalanced eco-culture between forestry and conservation

Thank you all for your support!