

# Research and Development Uruguayan Forestry

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## ForestValue

Outreach seminar 8–9 Oct 2019

**Buenos Aires, Argentina**

# Interests for the seminar

- ▶ National research in the forestry/wood sector in Uruguay
- ▶ Options for public R and D funding
- ▶ Transnational collaboration projects



# Forest research - status quo

- ▶ Forest Dept. (Agronomy School) - 1963
- ▶ Forest Projects Dept. (LATU) - 1965
- ▶ Forest General Direction (MGAP) - 1966
- ▶ Forestry Program (INIA) - 1992
- ▶ Forests Process Engineering Group (Eng. School) - 2007
- ▶ LATITUD (LATU) - 2017
- ▶ ...and a lot of correlated Research Institutions

# Forest research - status quo

- ▶ Tree Breeding
- ▶ Pest and diseases
- ▶ Forest management, modelling
- ▶ Forest soils, water
- ▶ Forest physiology
- ▶ Wood technology, biomass
- ▶ Biodiversity
- ▶ ...and many other disciplines (not specific forests science's)

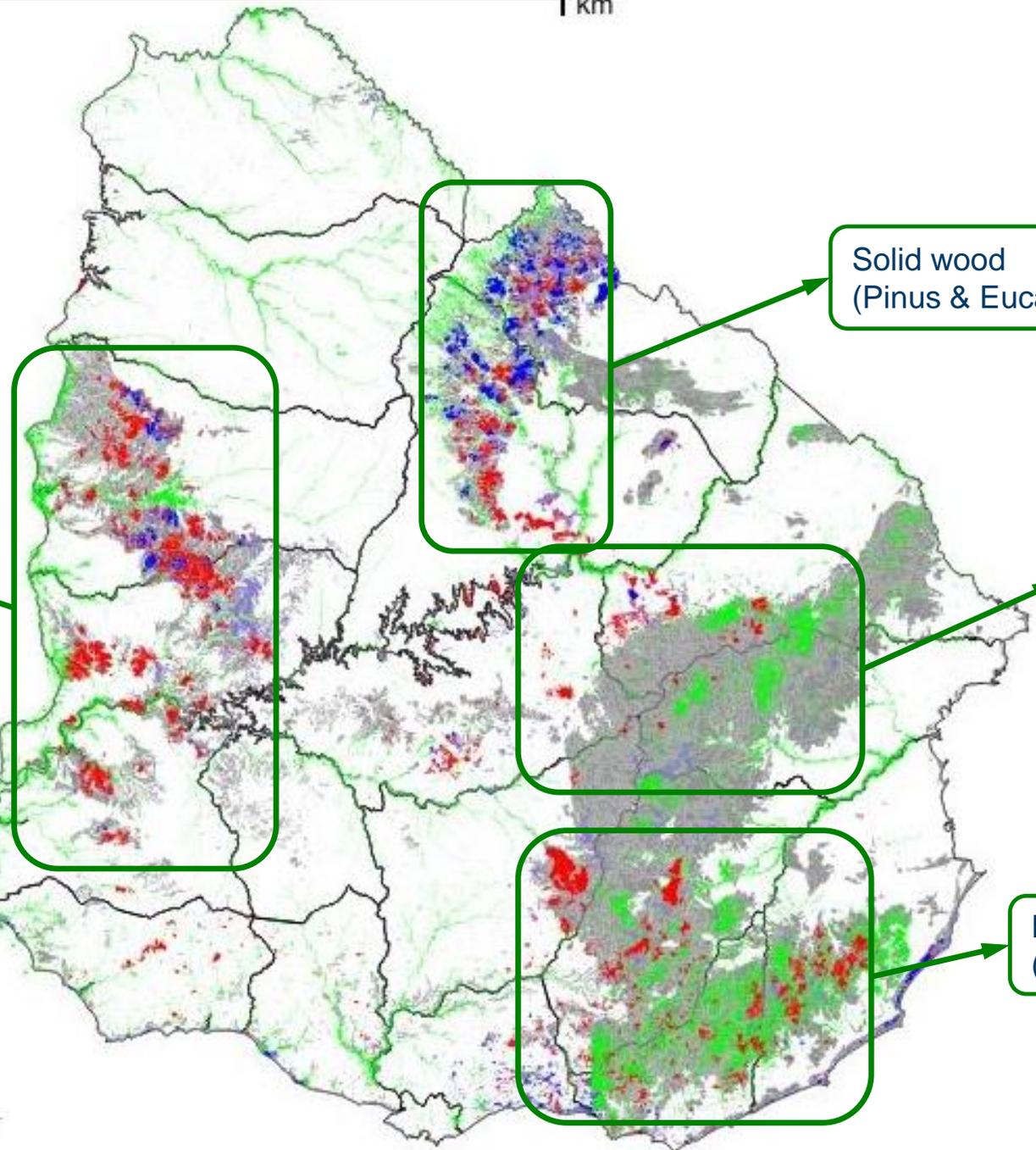
# Subject matter

## How to characterize the forestry sector

- ▶ Regions. There are 3 with different bio-geographic characteristics. North, West (or Littoral) and Southeast
- ▶ Sub-Sectors or value chain. pulp, lumber, native-forests
- ▶ Business ecosystem. Few big integrated companies, many TIMO's and many forestry farmers
- ▶ Institutions. All former forest-related institutions exists. Research, unions, government, NGO's

0 300 km

- pinus
- eucalyptus
- native forests
- forests soils



Solid wood (Pinus & Eucalyptus)

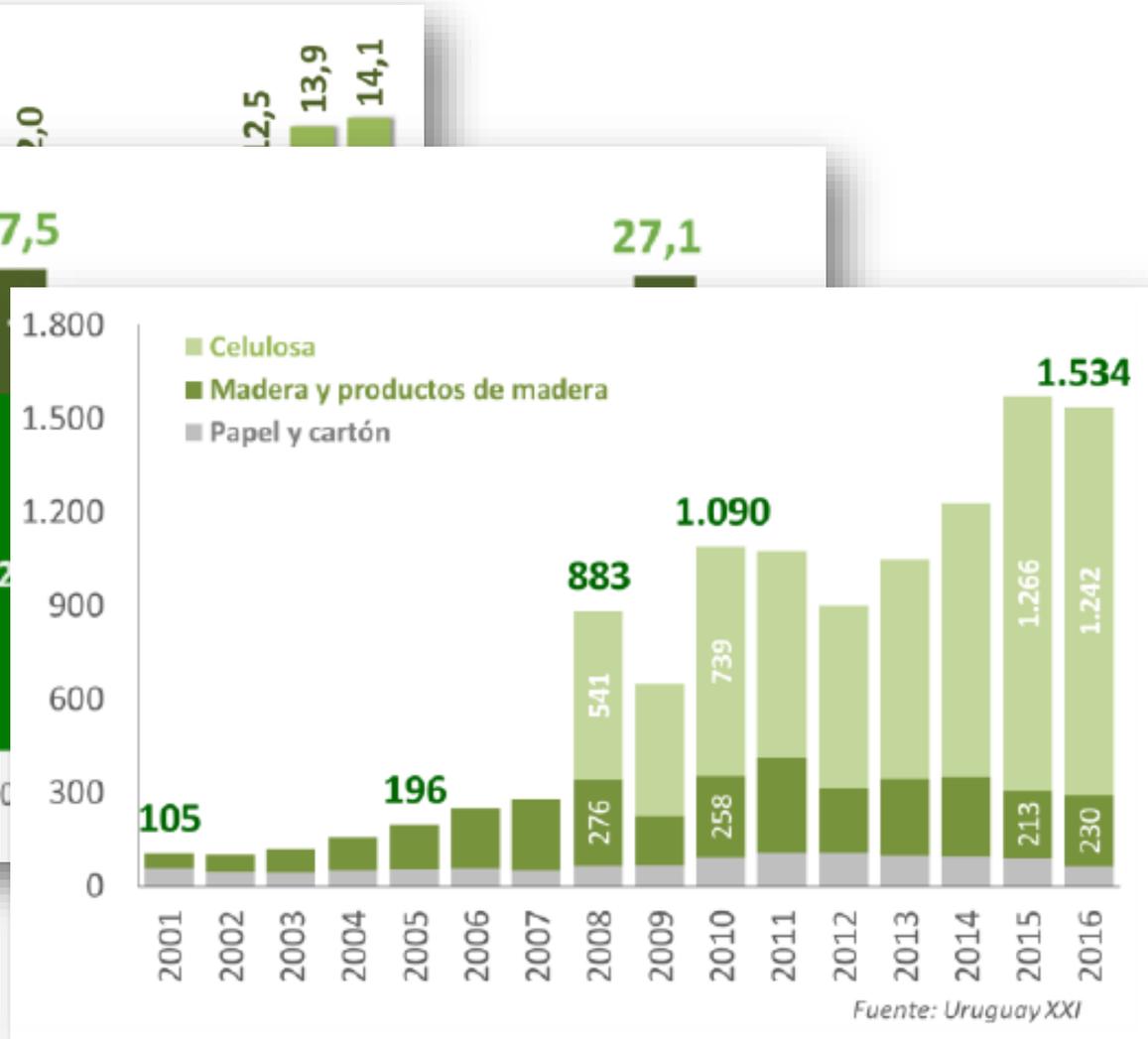
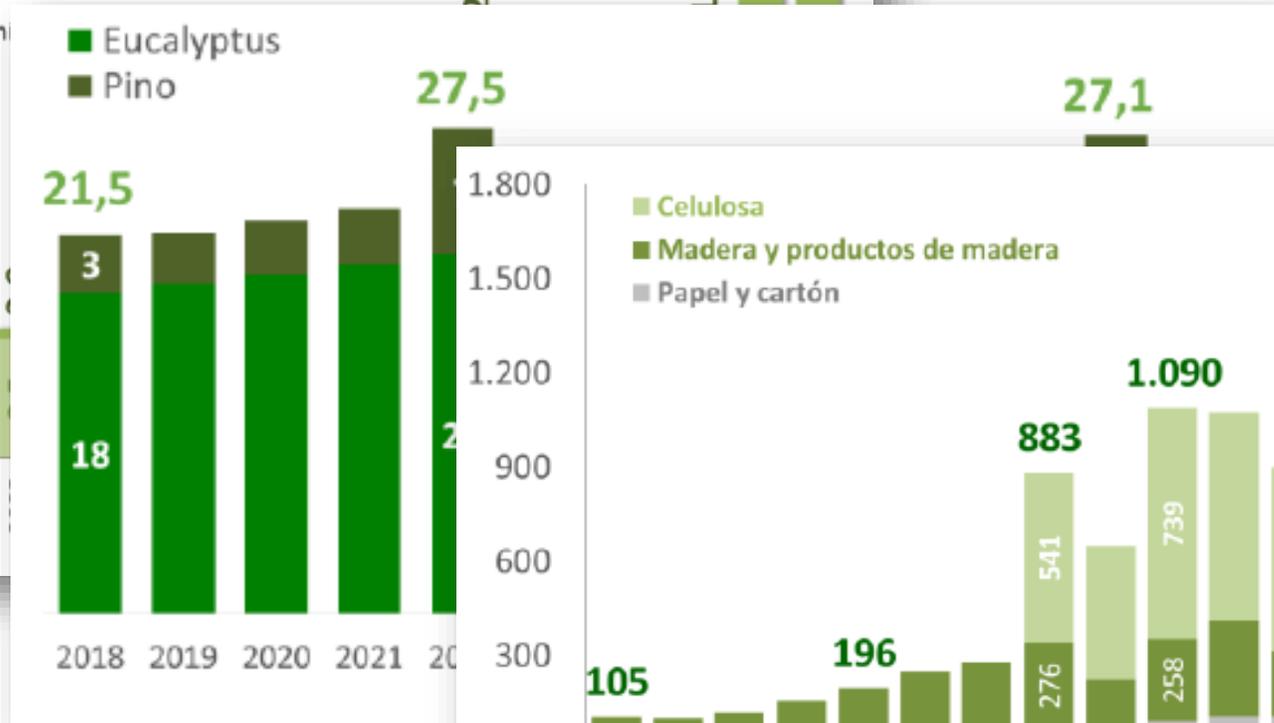
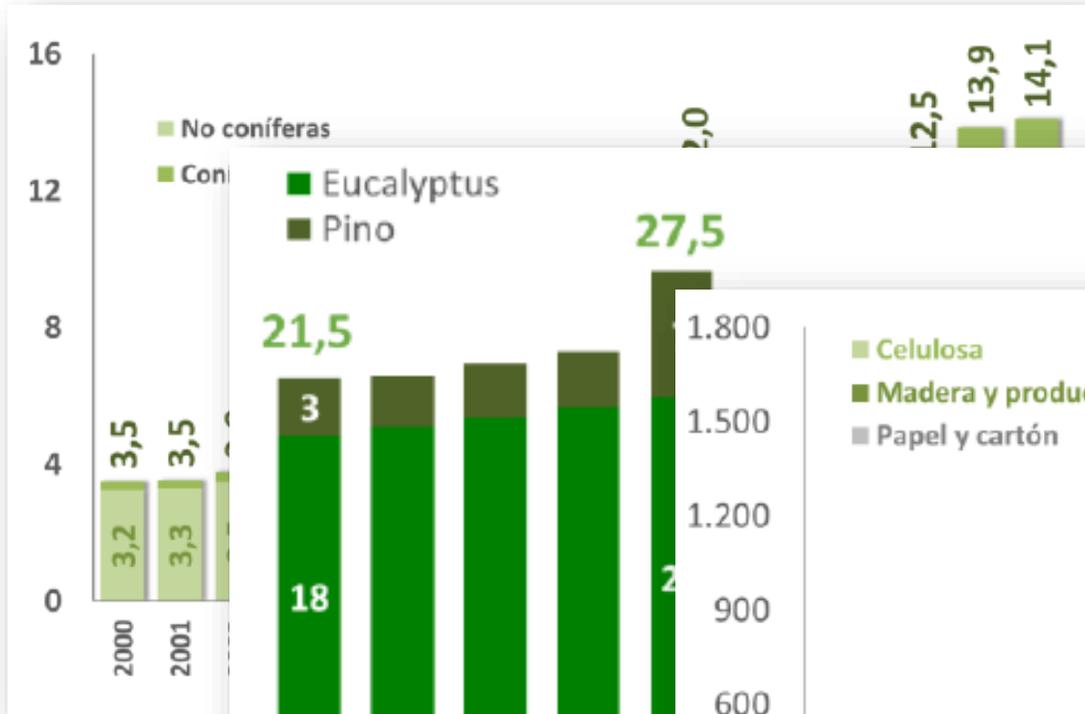
Solid wood (Pinus)  
Pulpwood (Eucalyptus)

Solid wood and Pulpwood (Eucalyptus)

Pulpwood (Eucalyptus)



# Subject matter



Meat	1.696
Milk	568
Rice	433
Soya	865

Fuente: Uruguay XXI



# Options for public R and D funding

- ▶ **ANII (National Agency for Research and Innovation)**
- ▶ **LATU - LATITUD**
- ▶ **INIA**
- ▶ **CSIC (Sectorial Research Commission- UdelaR)**
- ▶ **Ministries (Agriculture, Environment, Industry)**
- ▶ **Specific Programs or Projects (PNUD, IABD, WB, GEF, etc)**

# Transnational collaborations projects (and programs)

- ▶ Procisur (Argentina, Bolivia, Brazil, Chile, Paraguay y Uruguay)
- ▶ FONTAGRO (Latam & Spain)
- ▶ IICA (Inter-American Institute for Cooperation on Agriculture)
- ▶ CyTED (Latam & Spain)
- ▶ ANII+ Canada, Nederland, Israel, Austria, Argentina, UK, Australia, Germany, Chile, Brazil, Finland, etc.
- ▶ Consortia & Cooperatives (IPEF, SIF, FNC, CAMCORE, etc.)

# Some challenges...

- ▶ From a biological point of view: to contribute significantly for a good forest health status
- ▶ From a forestry point of view: to improve the silviculture management (incl. diversification) and to provide public genetic resources
- ▶ From a sectorial point of view: to aggregate and generate information for future scenarios; to develop technologies for SME's
- ▶ From an environmental point of view: to understand the role of forests in soil, water, carbon and climate dynamic
- ▶ From a social point of view: to ensure a right information as support for the public opinion and the political decisions

# Thanks for your attention!

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