

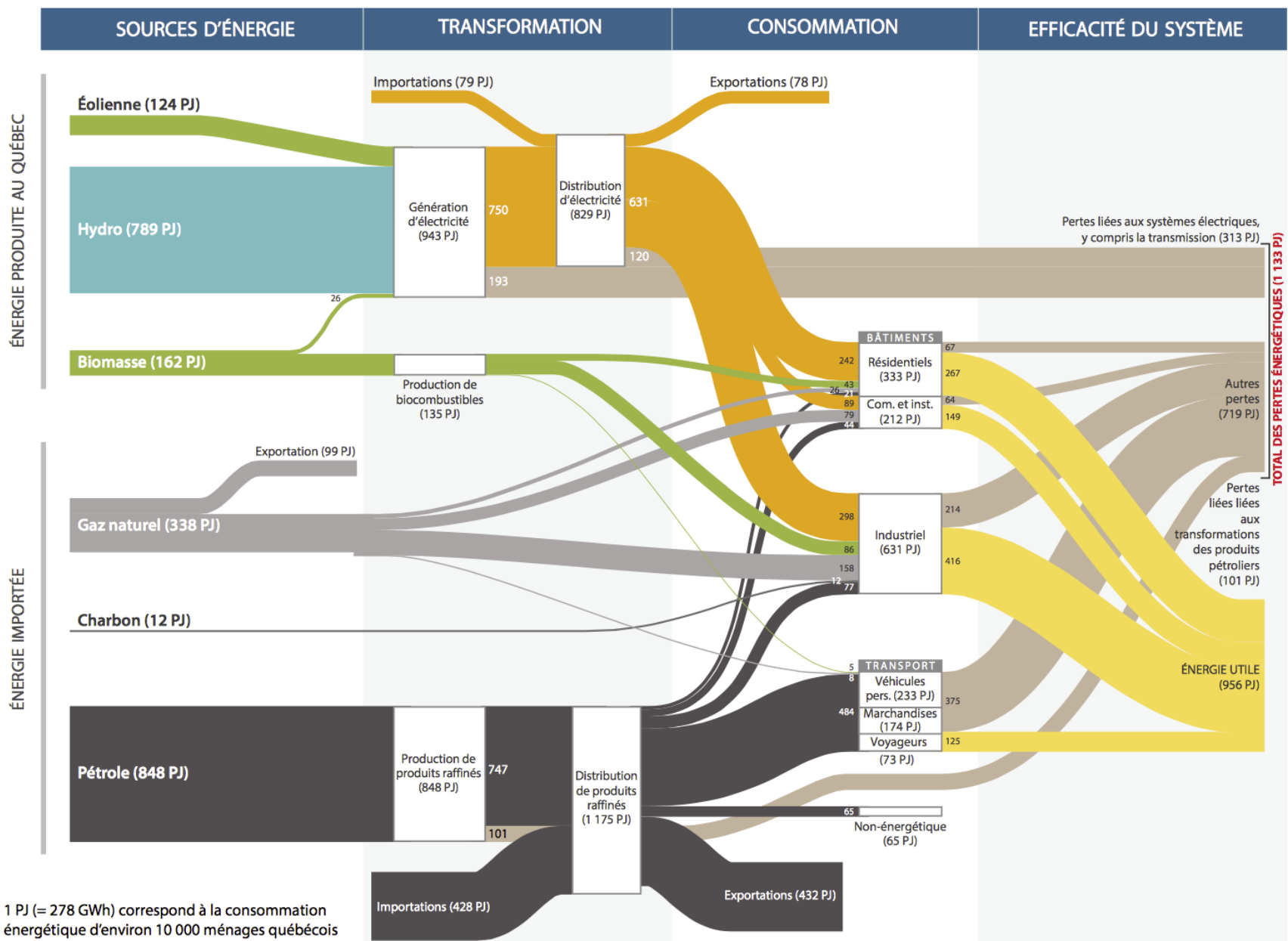
From unloved woods to desirable bioenergy: warming the heart of communities



Evelyne Thiffault, ing.f. PhD
Assistant professor in wood and forest sciences
Laval University







Whitmore, J. et P.-O. Pineau. État de l'énergie au Québec 2018, Chaire de gestion du secteur de l'énergie, HEC Montréal, décembre 2017.

Complex (and wonderful!) forest ecosystems

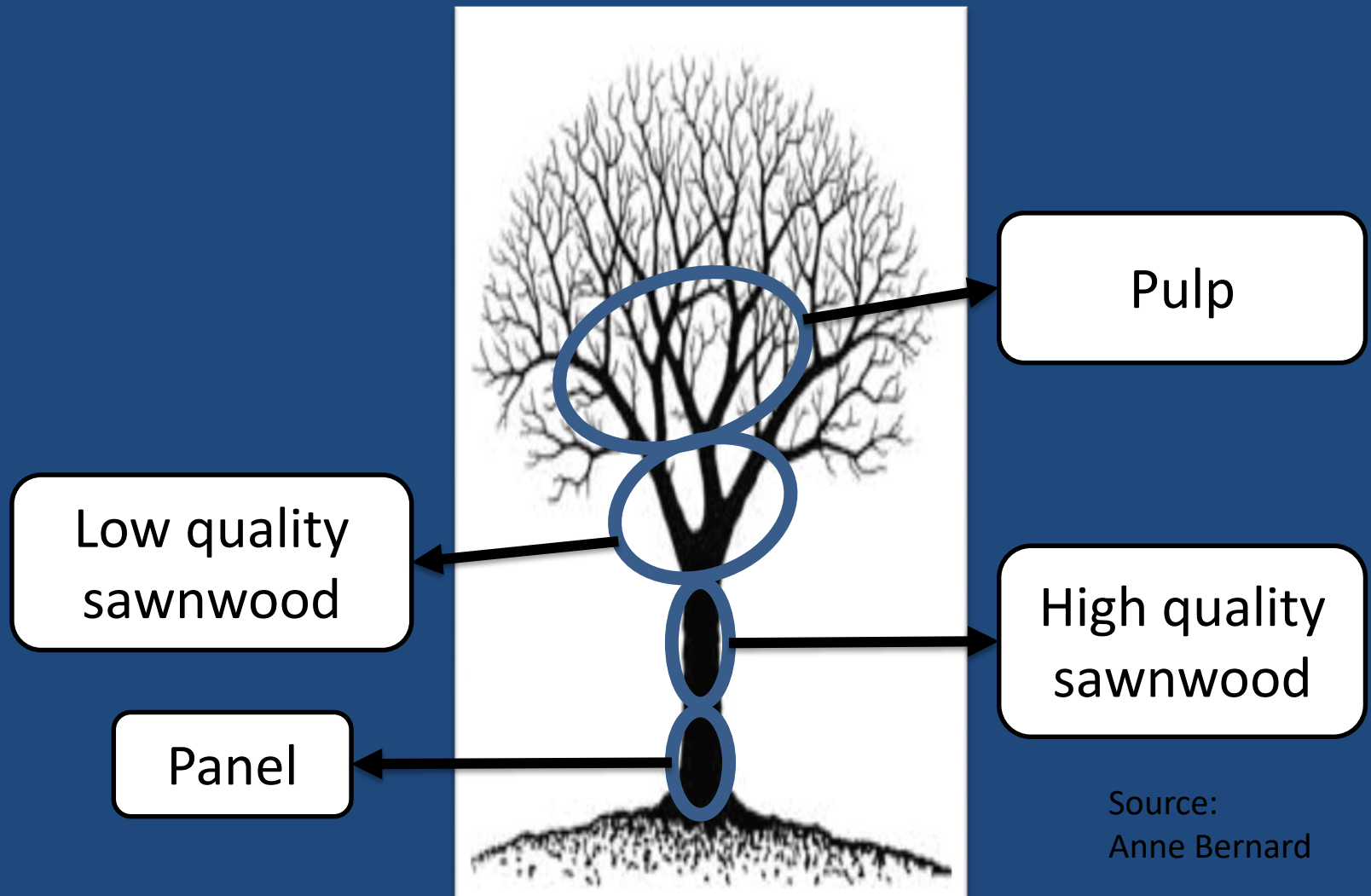


Source: E. Thiffault, Université Laval

Complex (and wonderful!) socio-economic ecosystems



Current forest industrial ecosystem

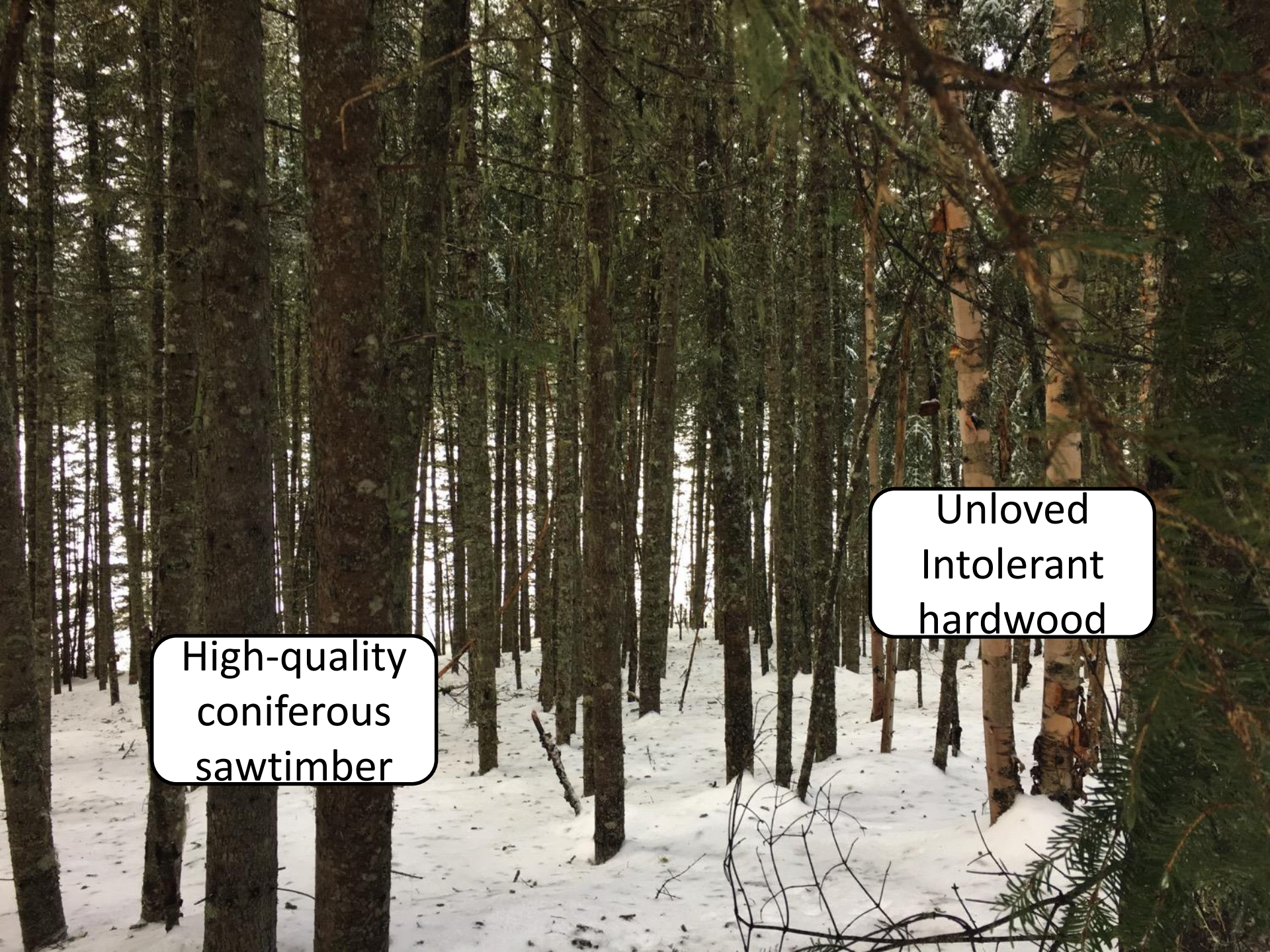


The Ugly Duckling (Den grimme ælling)





**Conventional
forest industries**



High-quality
coniferous
sawtimber

Unloved
Intolerant
hardwood



Source: Evelyne Thiffault

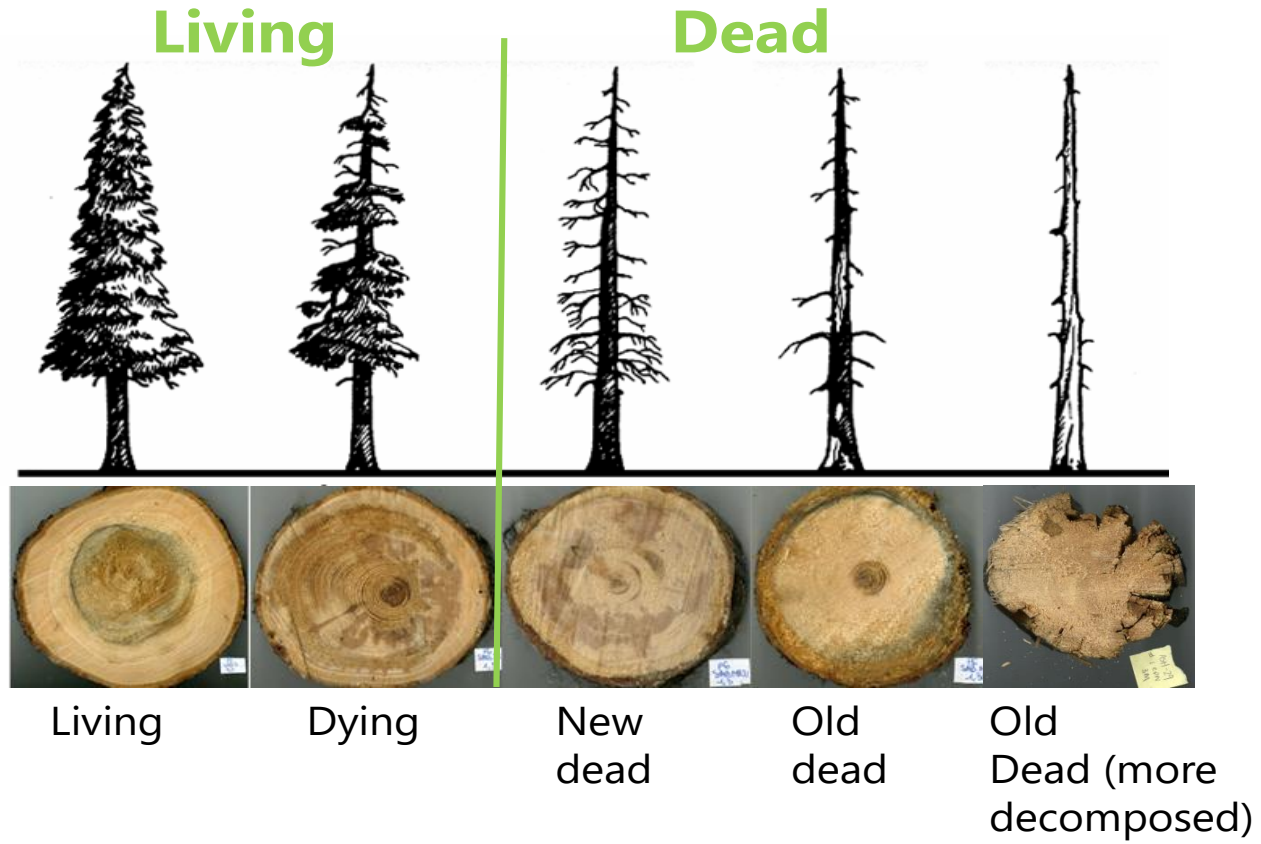


wood
decay

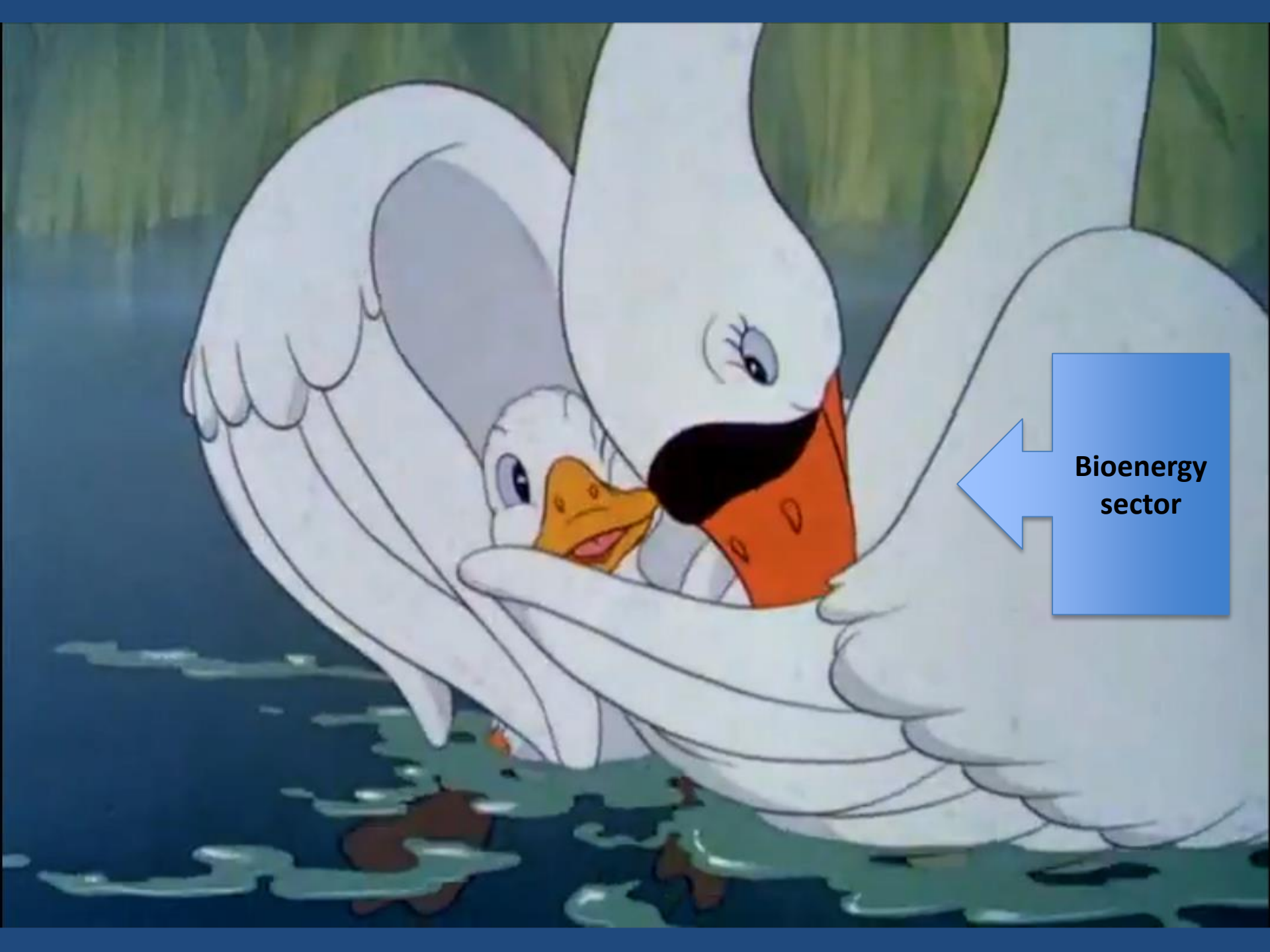
Procurement of unloved woods: would facilitate forest restoration and regeneration





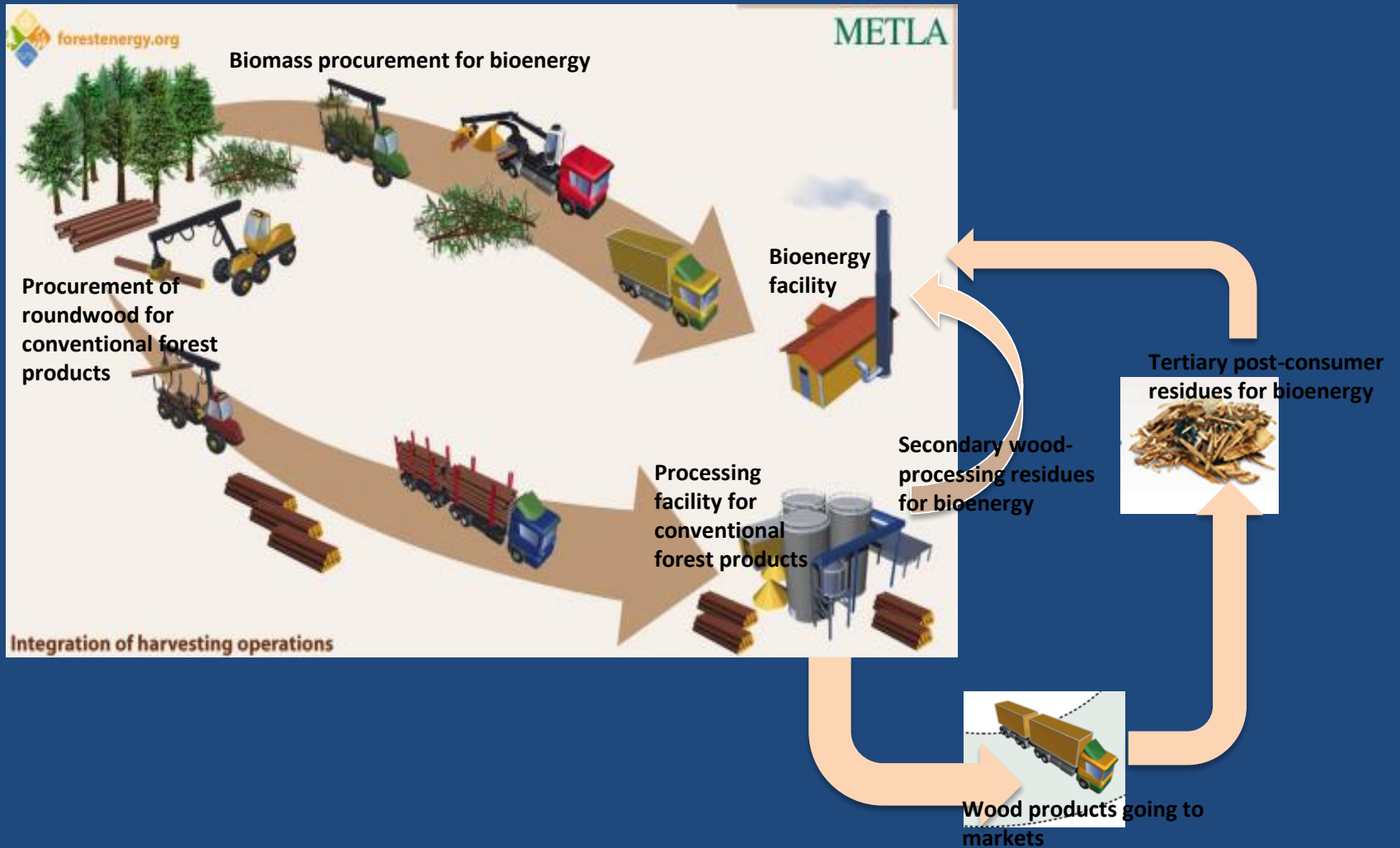


Source: J. Barrette et al. In preparation



**Bioenergy
sector**

Procurement of unloved woods for bioenergy helps the whole forest value chain



Perceptions and expectations towards bioenergy: Survey in La Tuque, March-April 2017

Target group: General public from the La Tuque area
70 respondents

Expected economic impacts

- 1- Creation of new business opportunities and economic empowerment
- 2- Creation of new source of income for individuals and enterprises
- 3- New income for the city (taxes)

Perceptions and expectations towards bioenergy: Survey in La Tuque, March-April 2017

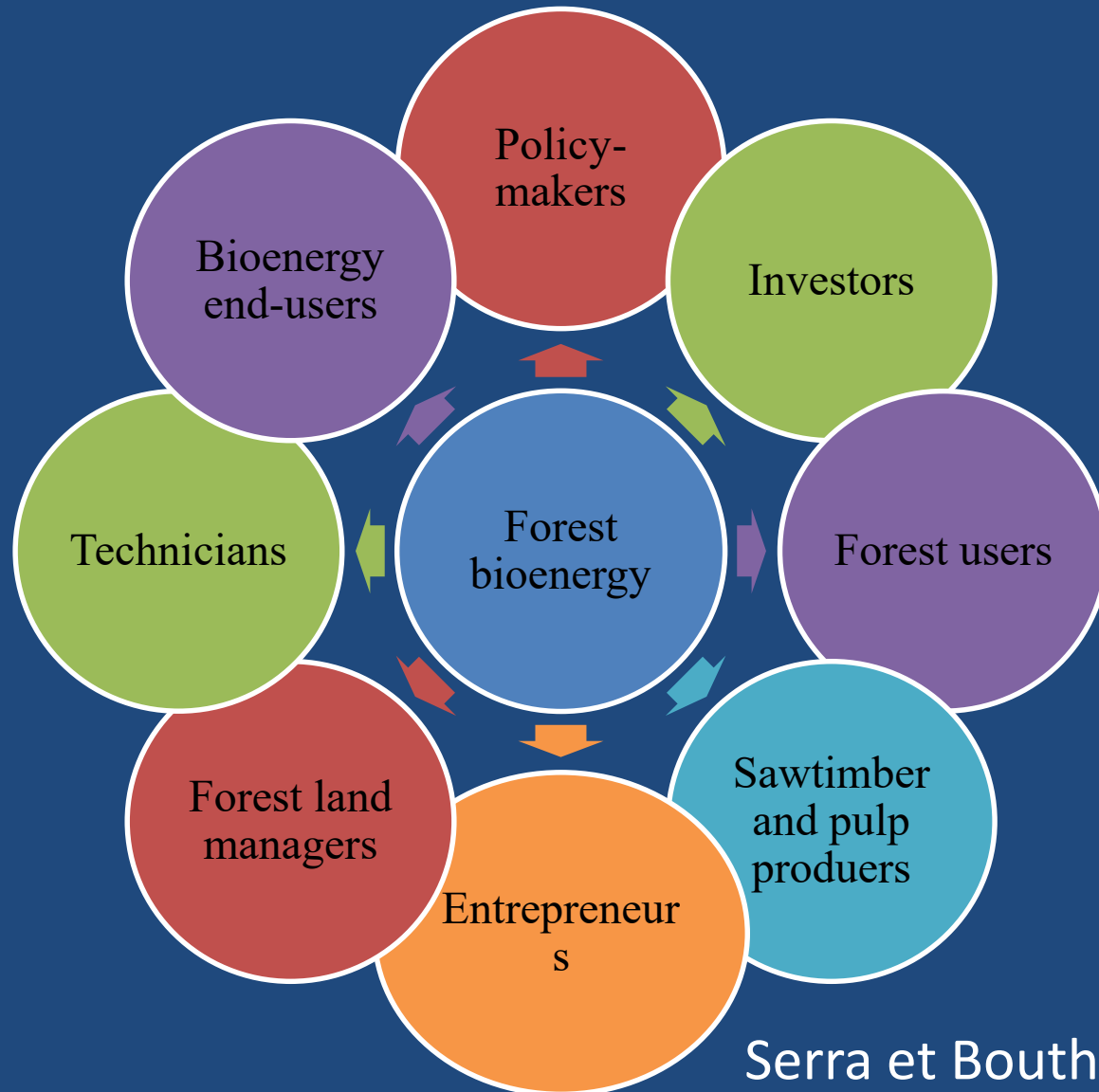
Target group: General public from the La Tuque area
70 respondents

Expected social impacts

- 1- Keeping youth in the community
- 2- Creating value from local resources
- 3- Capacity building of the community

Motivation for bioenergy development in communities:

Increases the cohesion of the social network=>
increased community well-being



Forest bioenergy can give value to unloved woods :
At the heart of forest value chains
and communities

