



XXV IUFRO World Congress

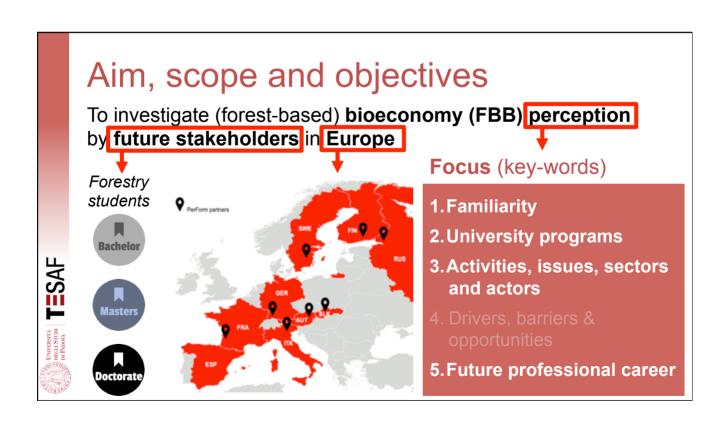
C9d: Societal perceptions, new products, markets, and business models of the circular forest bioeconomy

Curitiba 4<sup>th</sup> October 2019

## Bioeconomy perception by future stakeholders: hearing from European forestry students

Mauro Masiero, Hanna Bernö, Ariane Carreira, Riccardo Da Re, Alexander Dobrovolsky, Blanka Giertliová, Alexander Giurca, Sara Holmgren, Daniela Kleinschmit, Arttu J Malkamäki, Cecilia Mark Herbert, Lenka Navrátilová, Davide Matteo Pettenella, Helga Pülzl, Lea Ranacher, Alessandra Salvalaggio, Laura Secco, Arnaud Sergent, Juuso O Sopanen, Christoph Stelzer, Lauri T Valsta, Ida Wallin





## Methodology



- Quantitative analysis
- Multilanguage online questionnaire + offline data collection (MSc/PhD theses)
- 6 sections (ab. 20minutes)
- Questions: Open, Close-ended, Multiple-choice, Rating scale
- Period: Jan-June 2019
- Elaborations: simple/descriptive statistics, comparative analysis

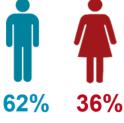
## Respondents' profile (1/2)

Gender and University program

Questionnaires:  $>2,000 \rightarrow 1,400 \rightarrow 1,368$  valid







NA/Blank: 2%

**Bachelor** 

60%



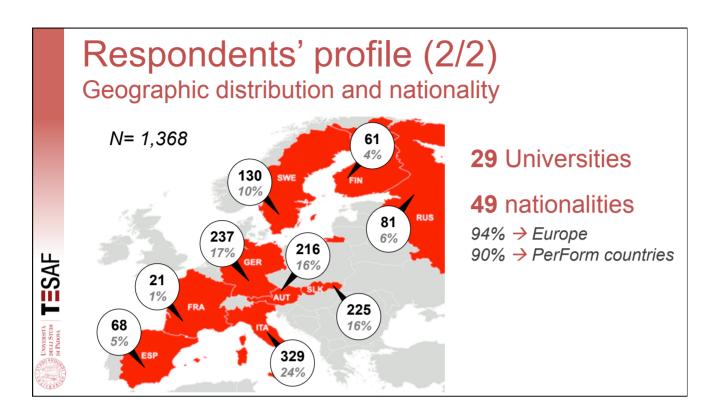
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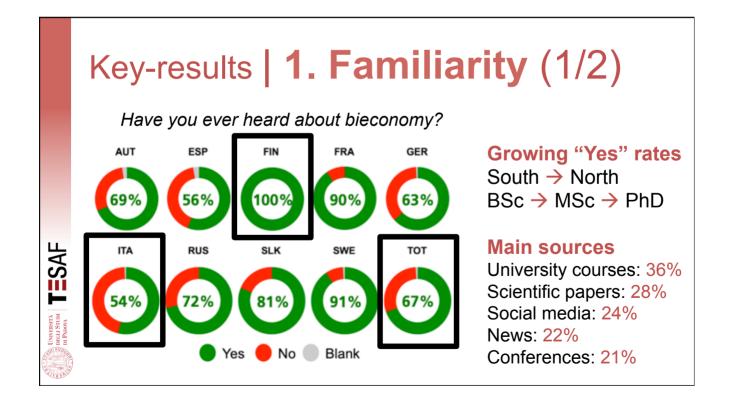


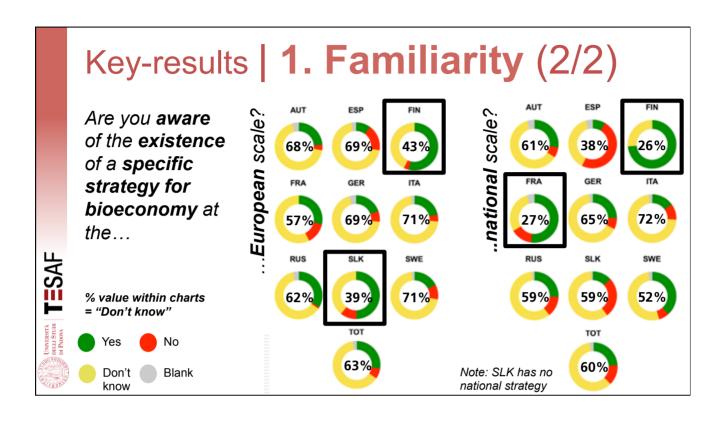
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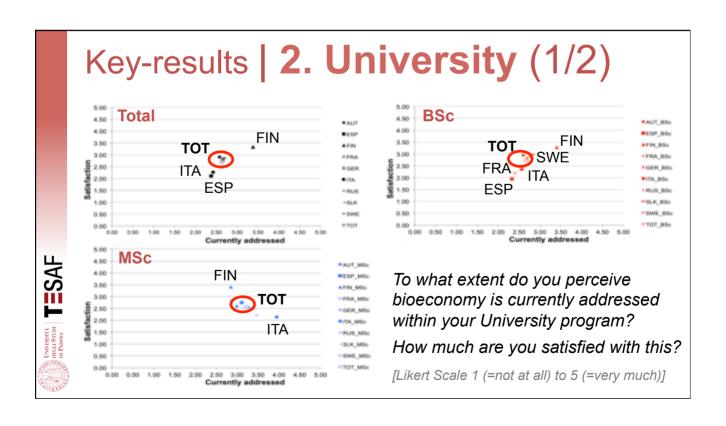
Average age: **23.8 years** 

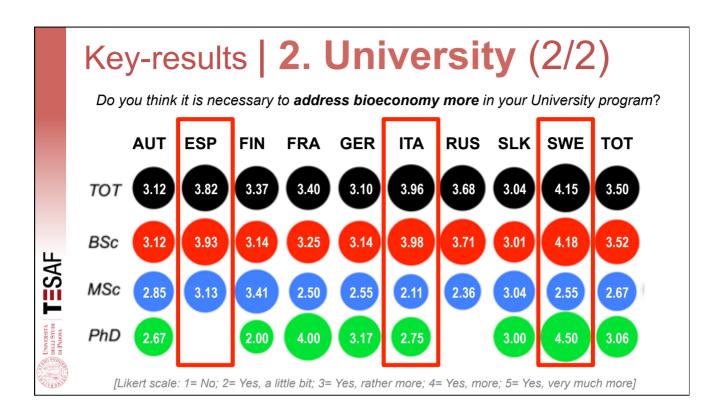
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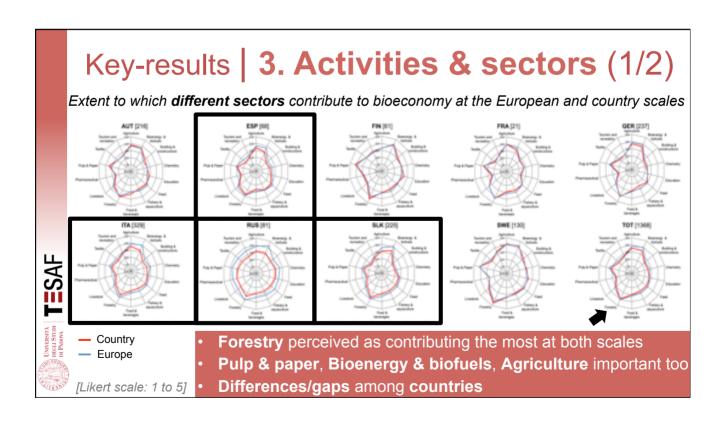


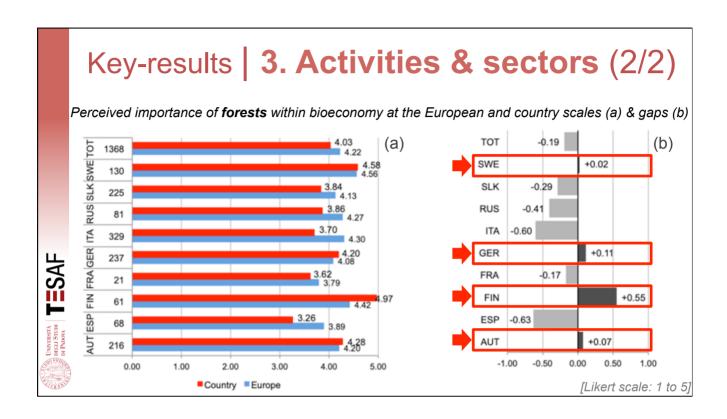


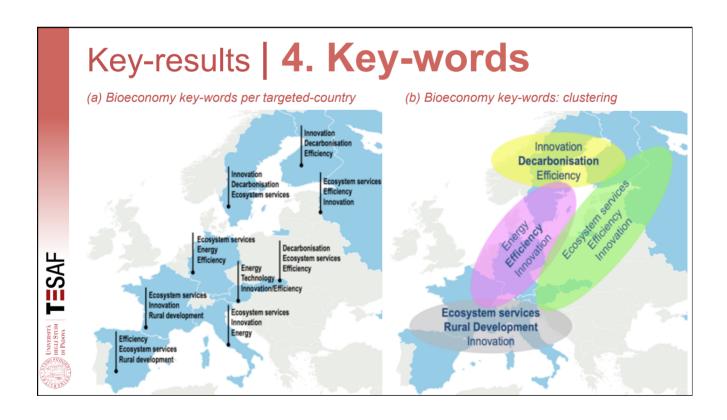


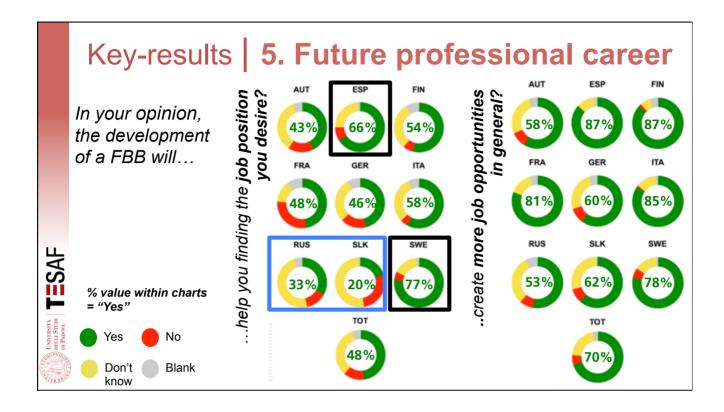












## Final considerations

- Limitations (uneven N. responses across/within countries) & possible improvements
- **Different** bioeconomy perceptions (& definitions) (Kleinschmit et al., 2014; Pfau et al., 2014; Bugge et al., 2016; D'Amato et al., 2017; Hausknost et al., 2017; Bauer, 2018; Vivien et al., 2019)
- · Limited awareness of bioeconomy strategies
- More bioeconomy at university...more of what?
- Key-role perceived for forests and forestry (differences across countries)

 Bioeconomy perceptions/visions tend to vary North-South (& West-East)





Bioeconomy is not just for big players of today

DEGLI STUDI TESAF

Future stakeholders shall have voice and be in



Higher education as a privileged channel

Value existing resources, integrate new ones



An integrated & coordinated view needed

Differences & peculiarities not neglected/forgotten