



**María Verónica Arana**  
IFAB INTA-CONICET

Moderator : P. Rozenberg  
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**JUNE 4 | 15H**

CET/Paris time  
On line

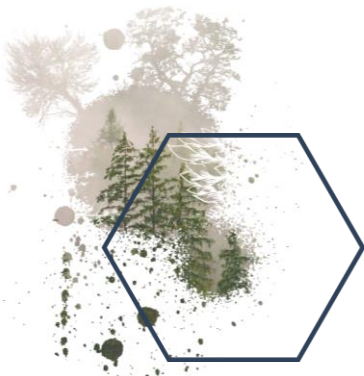
**LIA FORESTIA**  
web seminars round  
2021



Nothofagus forests, Lakar Lake. Neuquen, Argentina  
Photo by Julieta Cagnacci

## DECIPHERING TREE RESPONSE TO A CHANGING CLIMATE

Where are we? where do we go? a case study:  
southern beeches of Patagonia



As a result of climate change, several forest biomes are facing increasing temperatures, extreme cold waves in winter and/or more frequent and severe droughts. In this context, a fundamental question is how trees will cope with these changes, given their long generational time that yield low population turnover. In this talk I will show recent research that includes collaboration in the frame of the LIA FORESTIA laboratory, aimed at contributing to this question. We will see the way in which we use a natural elevation gradient in combination with indoor experiments, to elucidate the response of trees to the environment. Additionally, I will show current projects aimed at exploring phenotypic, genetic (molecular) and environmental variation of relevant plant traits. Our experimental system is located in the southernmost woody ecosystem of the world: the sub-Antarctic temperate Nothofagus forests of Patagonia, and involves multidisciplinary approaches that bring together the expertise of specialists in wood science, ecology, physiology, molecular biology and bioinformatics.

**FREE WEBINAR, REGISTRATION REQUIRED**

Organized by the MiDi network and Le Studium in the framework of the LIA FORESTIA  
[MiDi website](#) | [Le Studium website](#) | [LIA Forestia website](#)



Next seminar  
on July 2