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APRIL 22
| **15H**

CET/Paris time
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LIA FORESTIA
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2022

#2

CLASSIC HYBRID BREEDING PROGRAM FOR P. ELLIOTTII VAR. ELLIOTTII X P. CARIBAEA VAR. HONDURENSIS IN THE NORTHEAST OF ARGENTINA

ABSTRACT :

Since 2004, INTA and PINDO company have developed a classic improvement program to obtain F1 hybrid Pine INTA-PINDO hybridizing *P. elliottii* var. *elliottii* and *P. caribaea* var. *hondurensis* adapted to the northeastern region of Argentina. In the beginning, the main goal was to improve the wood volume yield together with crown traits. Then, wood characters and tolerance to low temperatures have been incorporated. Currently, this program has nearly 400 families in different evaluation stages and the best clonal families were identified for operational deployment in northeastern of Argentina.

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Short Curriculum Vitae :

Maria Elena Gauchat was a fellow in the area of forest improvement at the Montecarlo Agricultural Experimental Station (Misiones) from 2003 to 2004. She joined INTA in 2004 where she is currently working. She completed postgraduate studies at the Doctoral School AgroParisTech, Paris, obtaining in 2011 the degree of Doctor, Having completed the thesis on Phenology of wood formation and its genetic variability in *Larix*: a step towards the understanding of the formation of the wood and its relationship with climate. Under the direction of Dr. Luc Pâques (INRA Orléans, France). In 2011 she took over the coordination of the Specific Project of the INTA Forestry programme "Genetic improvement of subtropical and temperate pines for high-value uses". She participates in cooperation and technological linkage agreements with companies in the region. The area of concentration of its activities is forestry genetic improvement.

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