

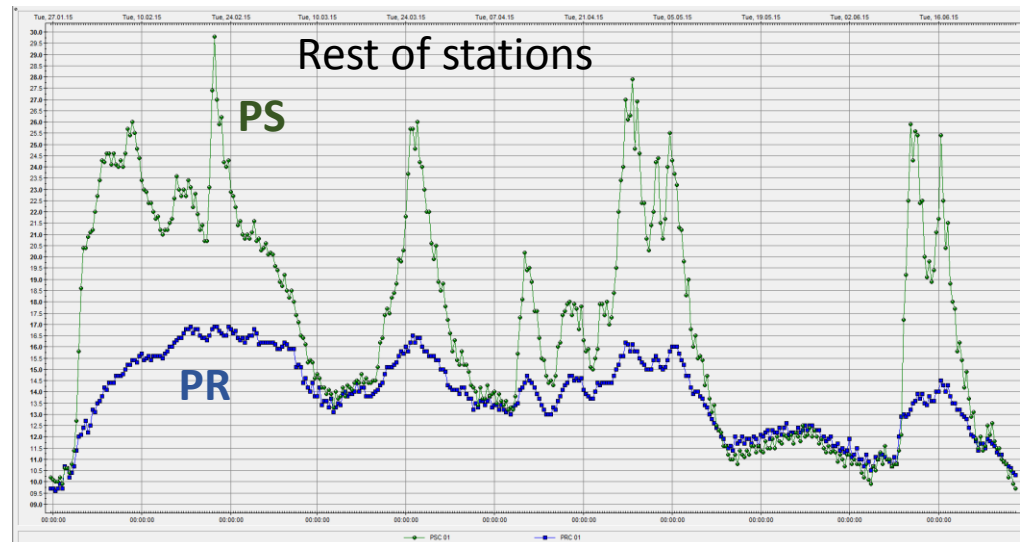
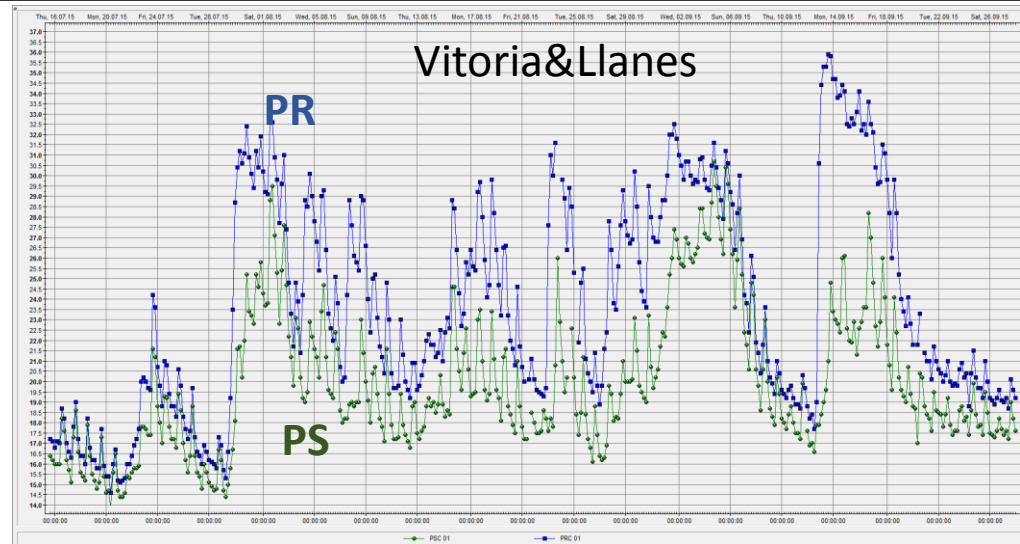
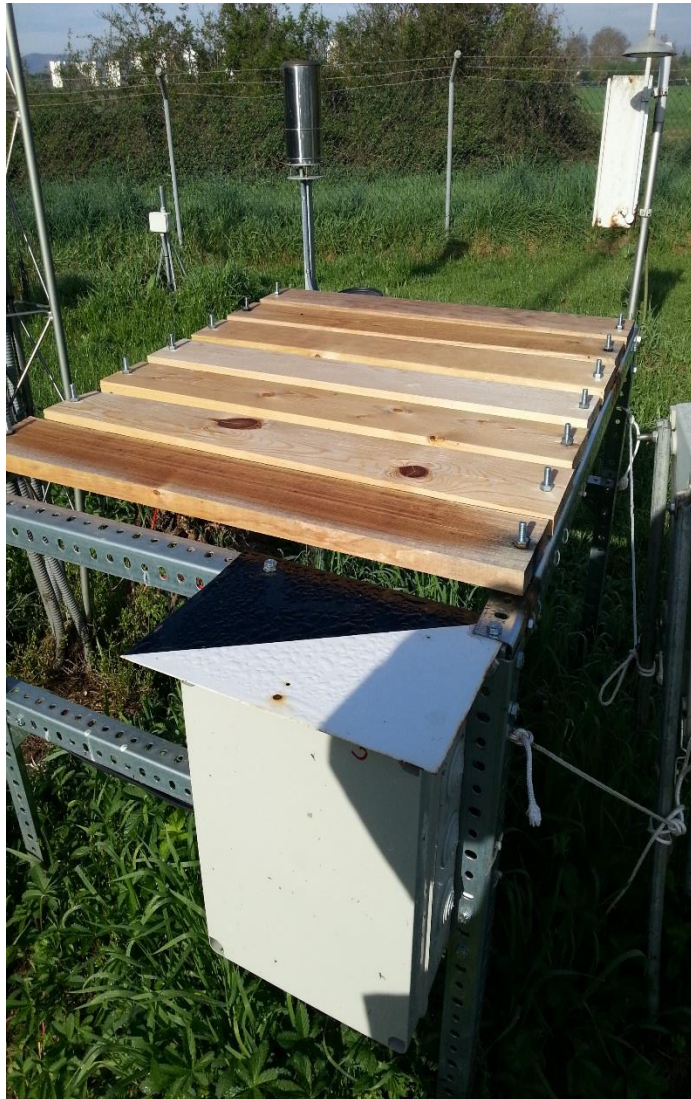
# EFFECT OF SAWING PATTERN AND SPECIES ON THE PERMEABILITY TO WATER OF TWO CONIFERS: RADIATA AND SCOTS PINE

Fernández-Golfin, JI (INIA); Galván, J (CSIC); Conde, M (INIA); Conde, M (UCO)

# Evaluation of functional behavior of wood in outdoor above ground applications (PROY. BIA 2013-42434R)

M.C. monitoring under different climatic regimes (Iberian peninsula): effect of species and climatic events (rain, dew, hoarfrost)

- Seven sites (Llanes, Vitoria, Palencia, Valencia, Madrid, Córdoba, Huelva)
- Seven species: Eucalypt (**EU**), Laricio P. (**PL**), Spruce (**PC**), Scots P. (**PS**), Radiata P. (**PR**), Chestnut (**CS**), Thermotreated Radiata P. (**PRMMT**) and in Madrid also Scots pine gross section (**PSMEG**)



Reactivity to rain events:

- Vitoria&Llanes: **PR>PS**
- Rest: **PR<PS**



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Llanes  
Vitoria



Others



*P. radiata*

*P. sylvestris*

Could the sawing pattern affect the permeability of radiata and Scots pines?

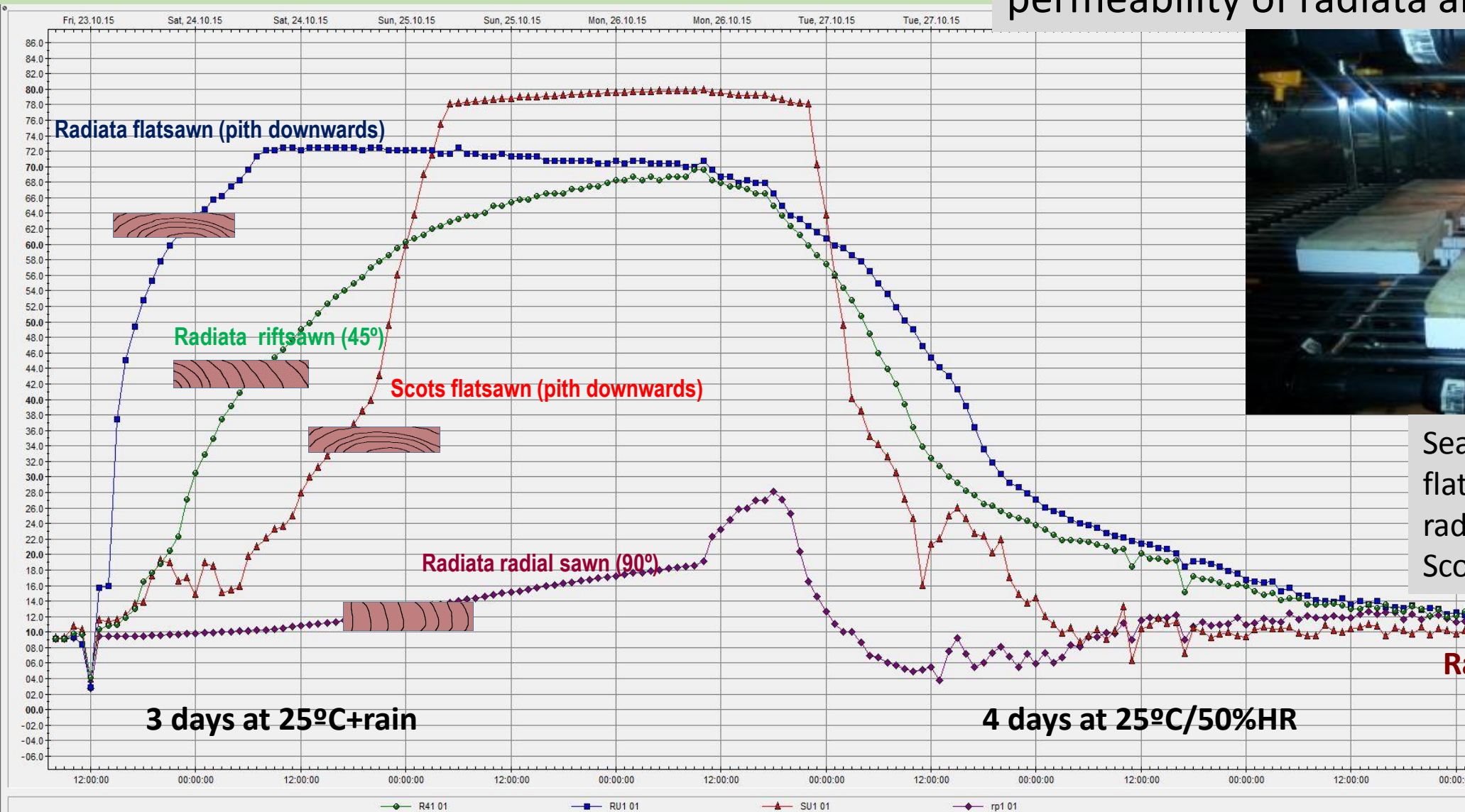




# Evaluation of functional behavior of wood in outdoor above ground applications (PROY. BIA 2013-42434R)

M.C. monitoring in a climatic chamber with artificial rain system (3 days raining+4 days at 25°/50%HR)

Could the sawing pattern affect the permeability of radiata and Scots pines?



Sealed 100x100x20 mm<sup>3</sup> flatsawn, riftsawn and radialsawn Radiata and Scots pine samples

Radial < riftsawn < flatsawn

Flatsawn reactivity  
Radiata > Scots



Thank you!!!  
to  
all those contributing to the project



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