



STReESS Workshop “IADF network and climate changes: ecological and functional interpretation”

Program

Friday 24 October 2014

14.30-15.00

Presentation of the Workshop (IADFs: state of art; main ideas, aims)

G. Battipaglia, M. De Luis, C. Nabais

First session: State of art on IADF dataset

15.00-15.20 De Luis M.+ Battipaglia G: IADF and climate across a multispecies network

15.20-15.30 Zalloni E.: Intra-Annual-Density-Fluctuations in Mediterranean pines: how do they change with species, geographical distribution and climate

Second session: Methodological challenges

15.30-16.00 Campelo F. + De Luis: Which matters most in the formation of intra-annual density fluctuations in *Pinus pinaster*: age or ring width?

16.00-16.20 Battipaglia G.: Stable isotopes: a powerful tool to analyze IADFs

16.20-16.40 Helle G.: High resolution intra-tree ring stable isotope analysis - how much into detail can we go and what kind of information can we expect?

16.40-17.00 Coffee break

Third Session: Ecological interpretation of IADFs: from wood anatomy, physiology, genetics and climate

16.00-17.20 Bryukhanova M.V. Intra-annual carbon isotope composition in tree rings of the main boreal species

17.20-17.40 De Micco V.: Which information can be inferred by applying quantitative wood anatomy to tree-rings to interpret IADF?

17.40-18.00 Grabner M.: Which climatic factors do trigger IADF formation in dry eastern Austria

18.00-18.20 De Ridder M.: IADFs off the beaten track: intra-annual density profiles from West Africa

18.20-18.40 Klisz M.: Occurrence of different types of IADF in European larch – genetic background

Saturday 25 October 2014

Forth session: New Initiative

9:30-11.00 General Discussion- IADF filling knowledge gaps

11.00-17.00 Brainstorming on the meta-analysis of the IADFs catalogue. The participants will organize sub-groups working directly on data analysis, developing papers or on the structure of future papers and projects.

Conclusions and Directions for Future Research

17.00-18.00

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