



COMPILING A GLOBAL DATABASE OF SAP FLOW MEASUREMENTS: THE *SAPFLUXNET* DATA WORKFLOW

XIV MEDECOS & XIII AEET MEETING
ECOINFORMATICS: DATA SCIENCE BRINGS NEW AVENUES
FOR ECOLOGY SYMPOSIUM

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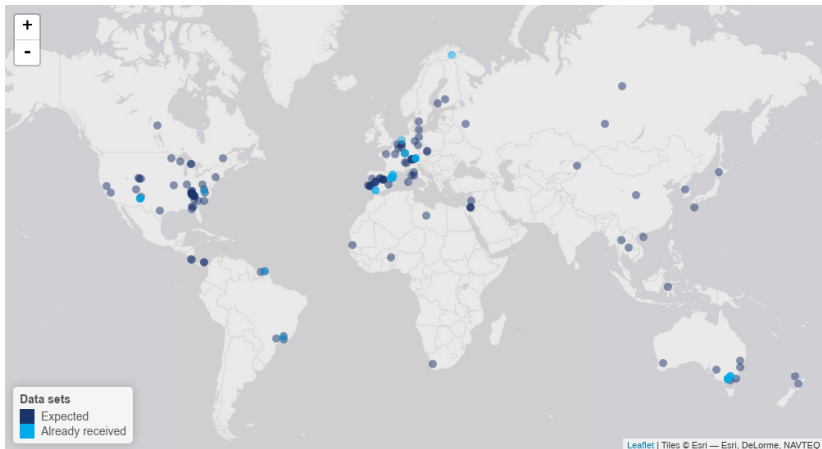


Centre of Ecological Research and Forestry Applications

INTRODUCTION



The **SAPFLUXNET** initiative is building the first global database of plant-level sap flow measurements to analyse the environmental and physiological factors driving tree- and stand-level transpiration





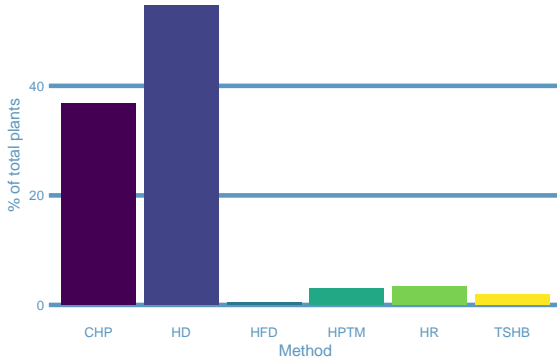
Target datasets:

- Stem or whole-plant level
- Field conditions
- Sub-daily intervals
- Environmental data available
- Abundant metadata (site, stand, plant, species and environmental)



Upscaled complexity:

- substantial methodological variability





SLIDE WITH R OUTPUT

```
summary(cars)
```

##	speed	dist
##	Min. : 4.0	Min. : 2.00
##	1st Qu.:12.0	1st Qu.: 26.00
##	Median :15.0	Median : 36.00
##	Mean :15.4	Mean : 42.98
##	3rd Qu.:19.0	3rd Qu.: 56.00
##	Max. :25.0	Max. :120.00

