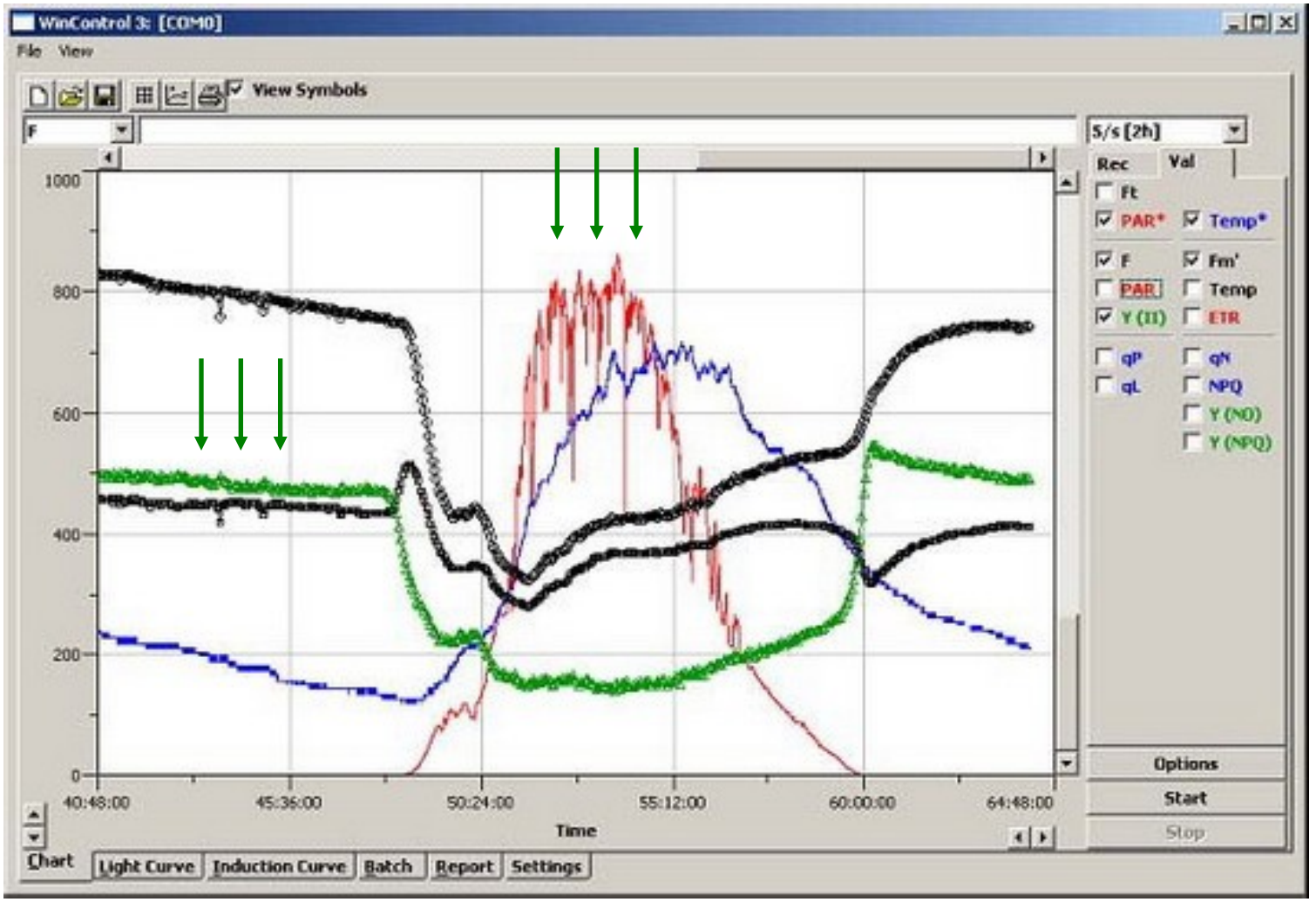
Kontinuální monitorování fotosyntézy v terénu

Denní / sezónní / roční chody

M. Barták
OFAR ÚEB PřF MU

Ovládací software: denní chody



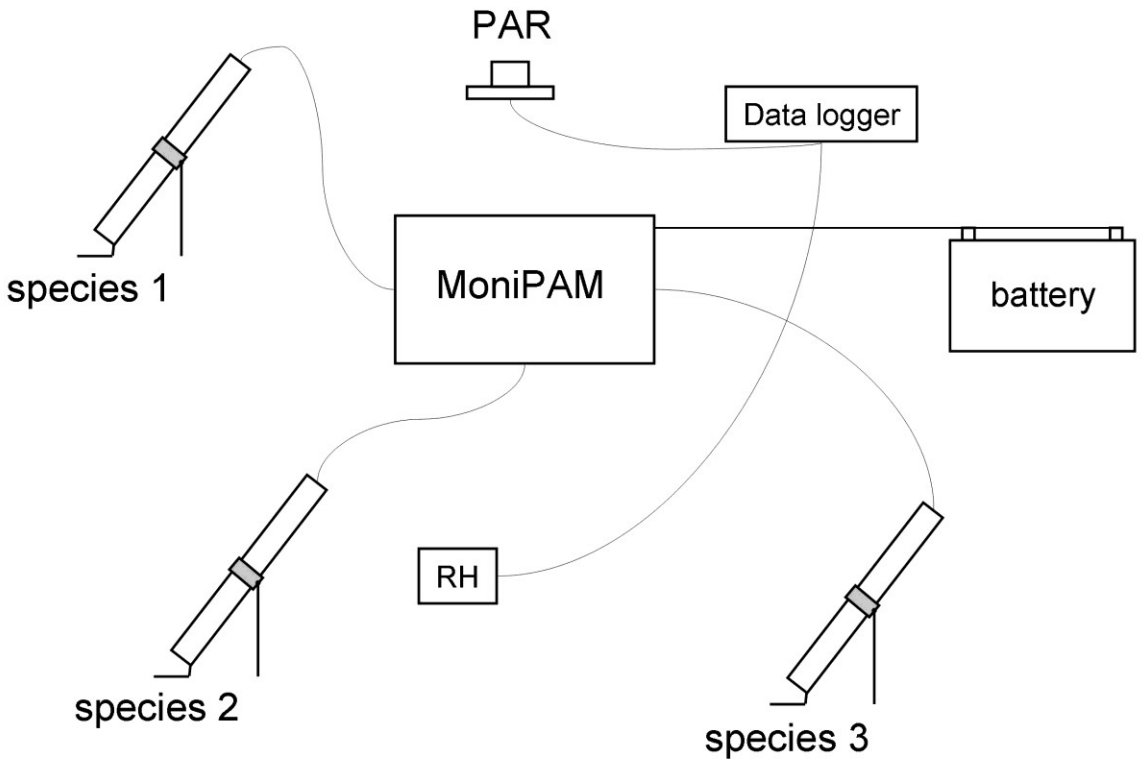
Source of photo: http://www.zealquest.com/?m=Product&a=view&t=earth&id=9783

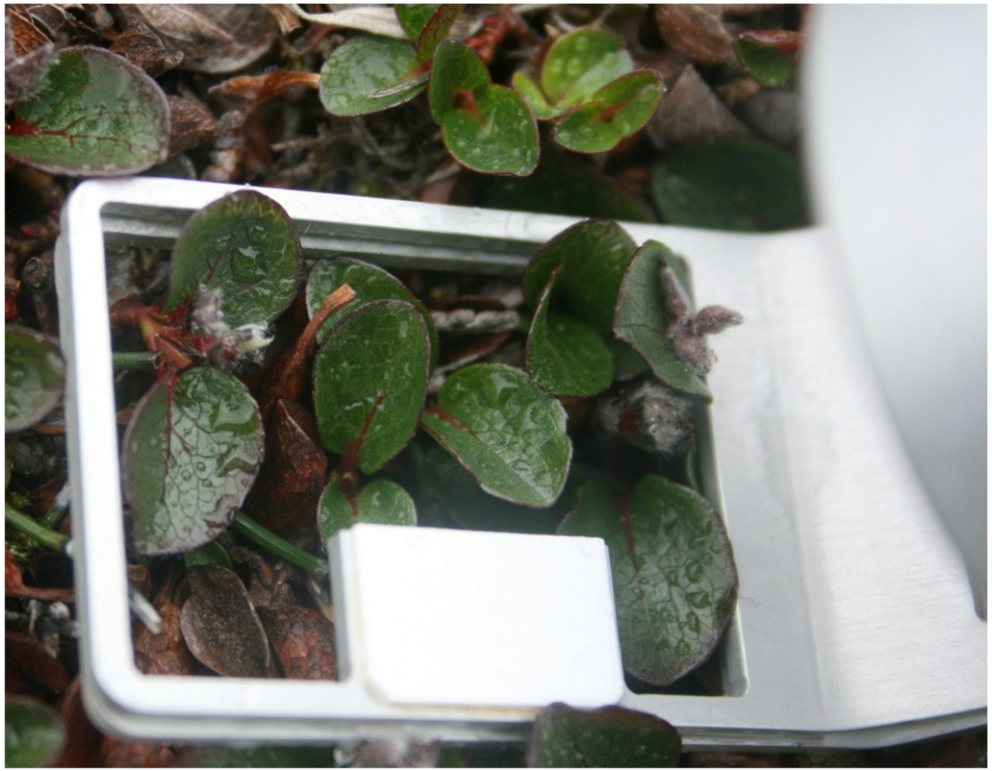
- The annual cycle of temperature and light influence the physiology of the light and dark reactions of photosynthesis, VOC emissions and aerosol formation:

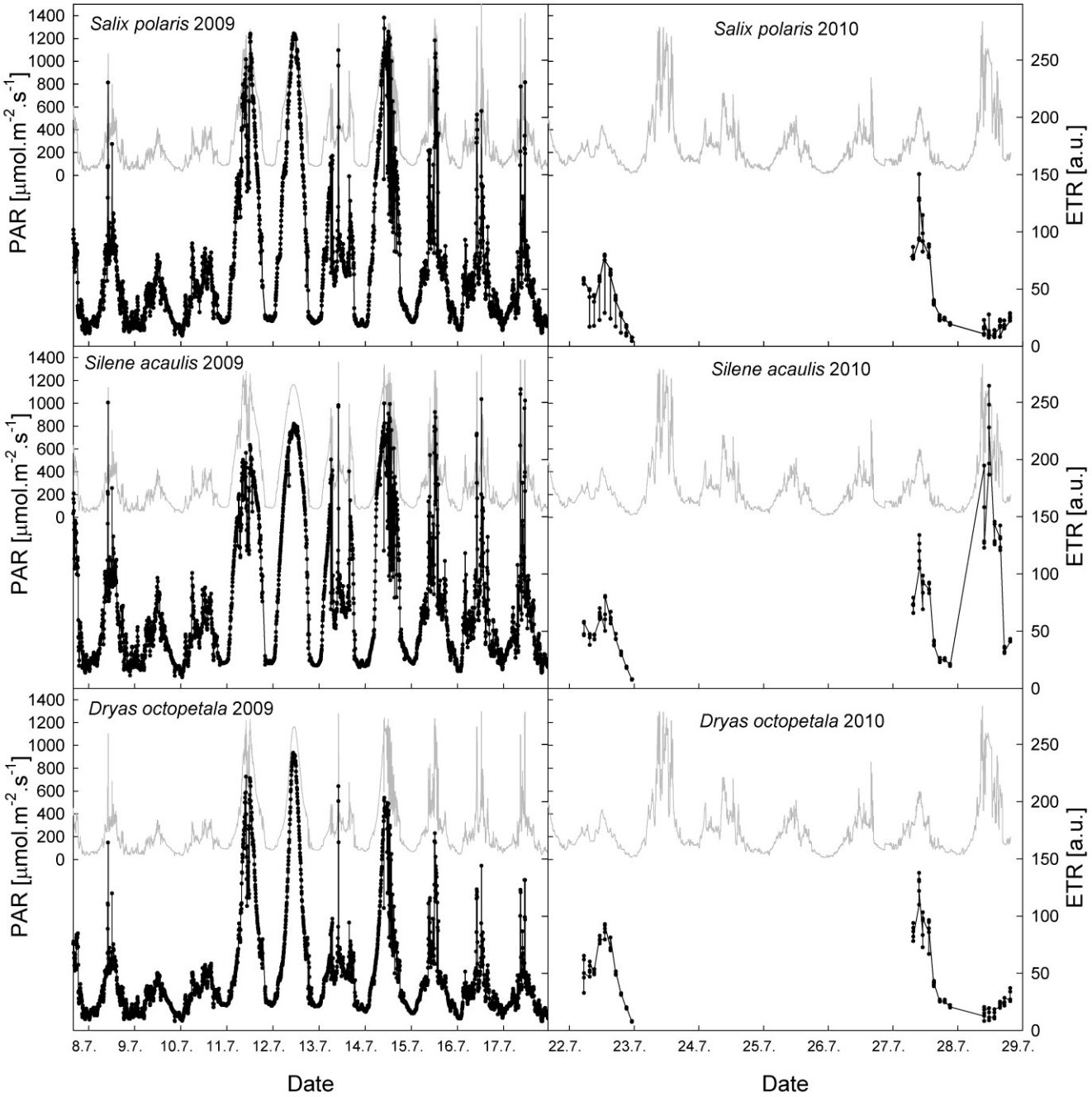
- The seasonal variation in photosynthetic activity is well described with delayed temperature effect (Hari et al. 2009). The detailed influence of light and temperature on the physiology of photosynthesis can be followed with leaf level measurements based on the Monitoring-PAM instrumentation (Porcar-Castell et al. 2008, Porcar-Castell et al. 2009). The influence of the seasonal developmental stage of trees is seen on VOC concentrations and aerosol formation processes above canopy (Lappalainen et al 2009, Dal Maso et al 2009).

Aplikace v zemědělském výzkumu

- http://www.zealquest.com/?m=Product&a=view&t=earth&id=9783


PAR
Data logger
species 1
MoniPAM
battery
RH
species 2
species 3




Salix polaris 2009
Salix polaris 2010
Silene acaulis 2009
Silene acaulis 2010
Dryas octopetala 2009
Dryas octopetala 2010
PAR [µmol.m-2.s-1]
ETR [a.u.]
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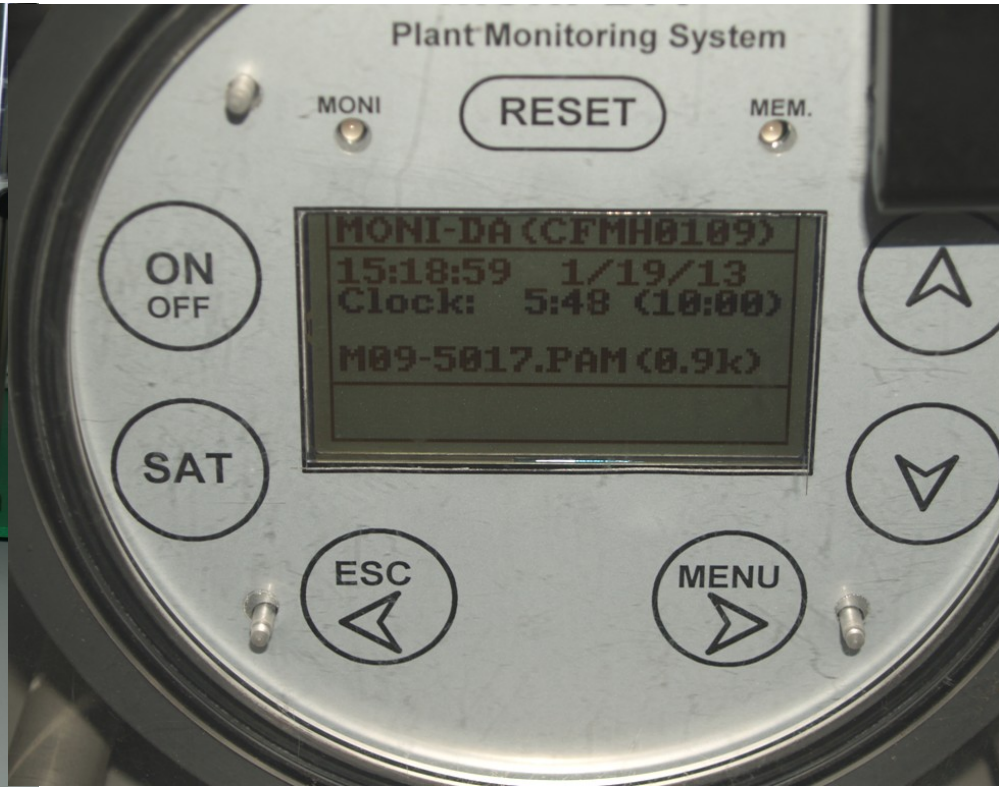
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15:18:59 1/19/13
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M09-5017.PAM(0.9k)