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DEPARTMAN ZA RATARSTVO I  
POVRTARSTVO



UNIVERSITÀ  
DEGLI STUDI  
FIRENZE

**DISPAA**

DIPARTIMENTO DI SCIENZE DELLE  
PRODUZIONE AGROALIMENTARI  
E DELL'AMBIENTE



UNIVERSITÄT FÜR  
BODENKULTUR  
WIEN

**BOKU**

DEPARTMENT FÜR WASSER-  
ATMOSPHERE-UMWELT



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SUMMER SCHOOL  
IN AGROMETEOROLOGY  
AND CROP MODELLING**

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Serbia for Excell

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# Agrometeorological measurements

## RESULTS



## MEASUREMENTS

In the following slides, students presented the results of field measurements collected during the three days of training.

In particular, they installed the sensors for monitoring the following variables:

Short wave radiation ( $\text{W/m}^2$ )

Temperature at 2m and 0,5 m above ground ( $^{\circ}\text{C}$ )

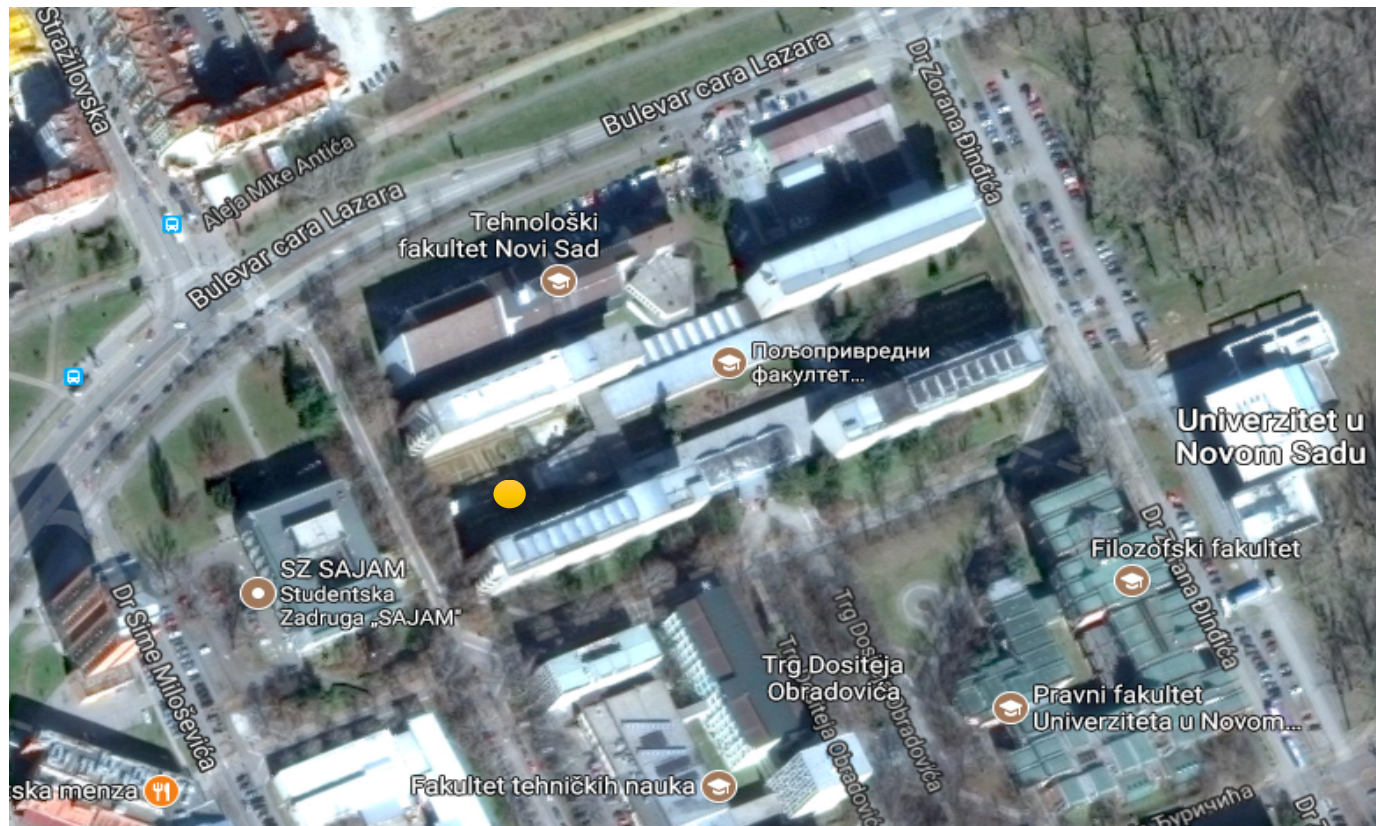
Relative humidity at 2 m and 0,5 m above ground (%)

Wind speed ( $\text{m/s}$ )

Soil moisture ( $\text{m}^3/\text{m}^3$ )



Automatic weather station together with soil moisture sensor was placed at the botanical garden of the Faculty of Agriculture.



Task for the students was to install sensors, check them during the 3 days of measurement and download, represent and discuss the measured data.

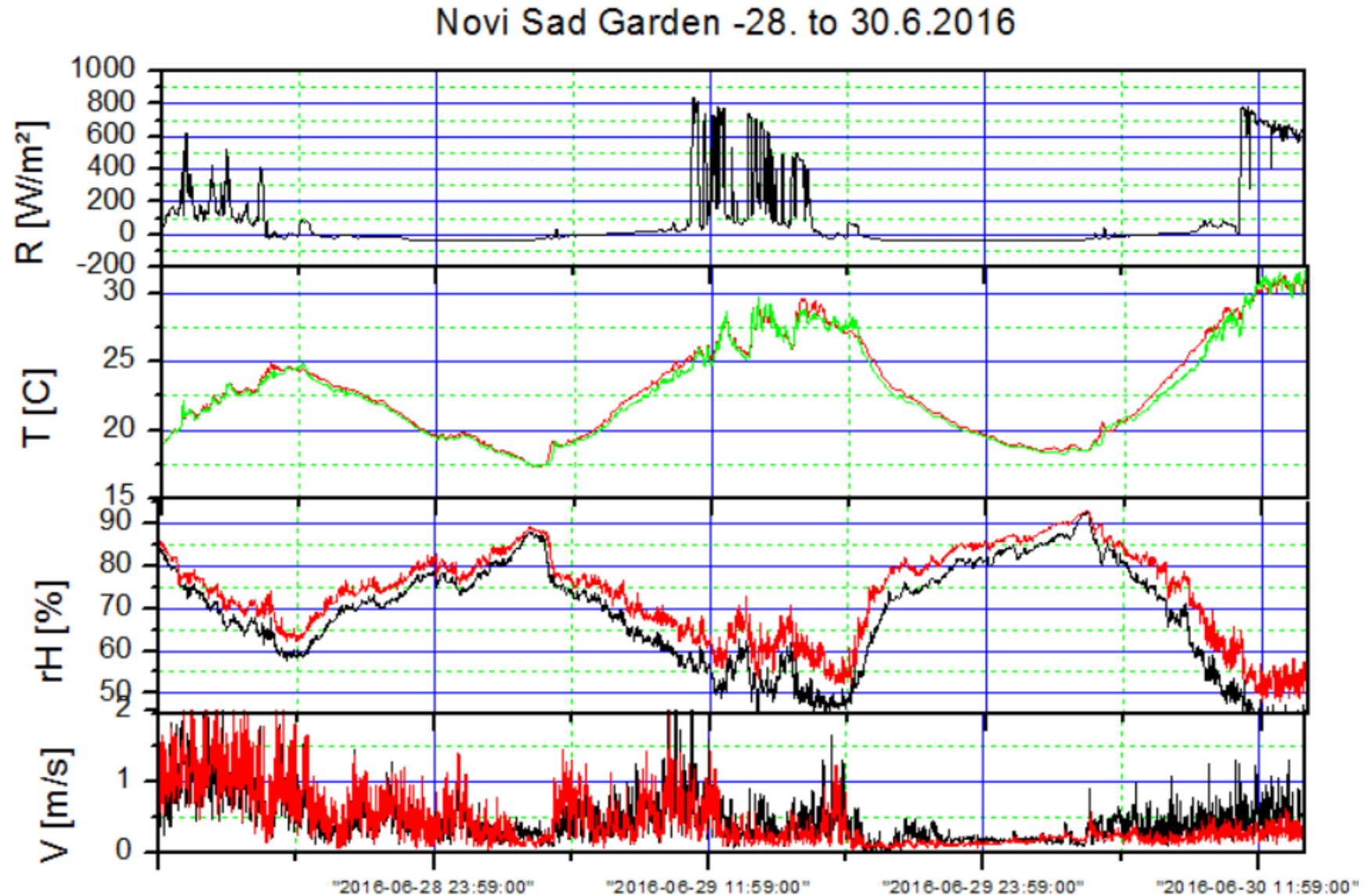


$R[\text{W}/\text{m}^2]$  – short wave radiation

$T[^\circ\text{C}]$  – temperature

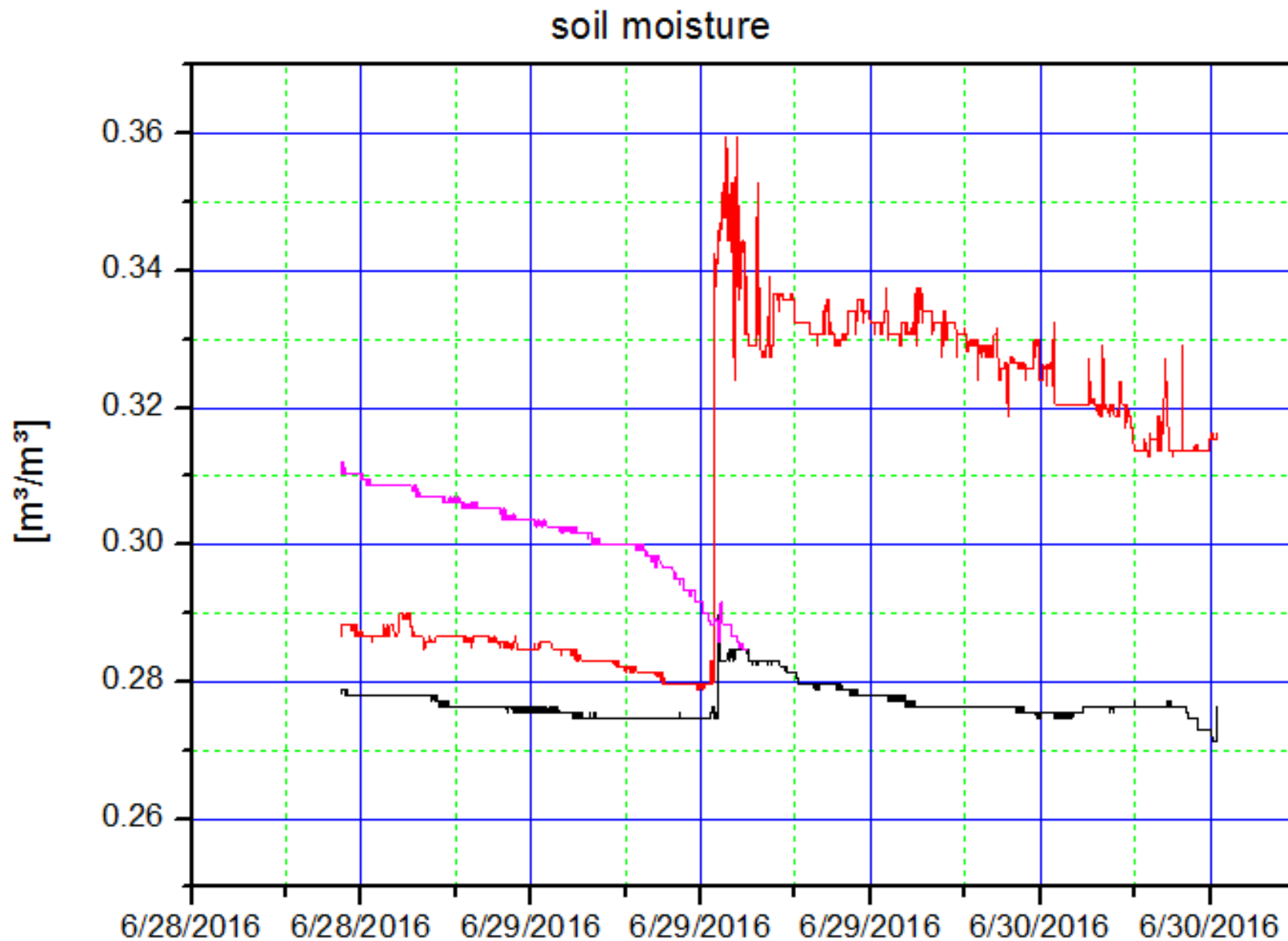
$rH[\%]$  – relative humidity

$V[\text{m}/\text{s}]$  – wind speed





Soil moisture [ $\text{m}^3/\text{m}^3$ ]







$T[^\circ\text{C}]$  – temperature  
sensors on 2m and 0.5m

$rH[\%]$  – relative humidity  
sensors on 2m and 0.5m

From these  
measurements gradients  
were calculated

