

# Digitalized Groundwater Measuring Station System



*Digitalized Groundwater Measuring Station System contains information about the movement of water which is very important for oak and other native species in forests.*

In the last ten years, Croatia records an increased number of dried oaks. Due to the adverse effect of rainwater and groundwater, various pests, insects and caterpillars, the yield of forest seed is diminishing which is key in the renewal of oak forest areas.

Digitalized Groundwater Measuring Station System was developed within the project „Protecting the English Oak in the Hungary-Croatia cross-border region”. Project coordinator was forest company Mecsekerdő Zrt. from Hungary and project partner was Croatian Forest Ltd., Forest administration Našice (Croatia).

System contains information about the movement of water which is very important for oak and other native species in forests. Measuring Station System records groundwater oscillation and changes in pressure and registers new data every two hours. Forest managers can use this information for responding to the trend of decrease or increment of groundwater and timely respond to changes.

The main result of Oak protection project is the installment of cross border groundwater monitoring system, comprised of 50 stationary pipes, automatically

recording groundwater and meteorological data.

## PODROBNOSTI

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### PÔVOD DREVA

Les

### DRUH DREVA

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### UVAŽOVANÝ DRUH DREVA

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### VPLYV NA ŽIVOTNÉ PROSTREDIE A BIODIVERZITU

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### DOPAD NA PRÍJMY

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### POTENCIÁL VYUŽITIA

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### ROZBOČOVAČ

Juhovýchodné centrum

### EKONOMICKÝ VPLYV

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### POTREBA ŠPECIFICKÝCH ZNALOSTÍ

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### MOBILIZAČNÝ POTENCIÁL

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### POTENCIÁL UDRŽATEĽNOSTI - HODNOTA

Veľmi pozitívne

### UĽAHČENIE IMPLMENTÁCIE

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### UĽAHČENIE IMPLMENTÁCIE - HODNOTENIE

Stredná

### Kľúčové PREPOKLADY

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### TYP PODUJATIA, NA KTOROM BOL TENTO BPI PREZENTOVANÝ

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### DOPAD NA ZAMESTNANOSŤ

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### NÁKLADY NA IMPLEMENTÁCIU (EURO - €)

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## VIAC INFORMÁCIÍ

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### RIEŠENÁ VÝZVA

1. Zlepšenie odolnosti lesov a adaptácie na zmenu klímy

### Kľúčové SLOVÁ

Water movement measuring station system.

### KRAJINA PôVODU

Chorvátsko

### DOMAIN

Lesné hospodárstvo/hospodárska úprava lesa, pestovanie lesa, ekosystémové služby, odolnosť

### DIGITALNE RIEŠENIE

áno

### ROZSAH APLIKÁCIE

Local

### TYP RIEŠENIA

Poradenské a servisné nástroje pre vlastníkov lesov

### INOVÁCIE

Áno

### ZAČIATOK A KONIEC ROKA

2017 - 2019

## KONTAKTNÉ ÚDAJE

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### VLASTNÍK ALEBO AUTOR

Croatian Forests Ltd, Forest Administration Našice

### REPORTÉR

Competence Centre Ltd. for research and development

Phd Ivan Ambroš

ambros@cekom.hr

## REFERENCES AND RESOURCES

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### HLAVNÁ WEBSTRÁNKA

[https://ec.europa.eu/regional\\_policy/en/projects/hungary/protecting-the-english-oak-in-the-hungary-croatia-cross-border-region](https://ec.europa.eu/regional_policy/en/projects/hungary/protecting-the-english-oak-in-the-hungary-croatia-cross-border-region)

### PROJEKTOVÁ WEBSTRÁNKA

<http://www.oakprotection.eu/hr>

### REFERENCIA PROJEKTU

Protecting the English Oak in the Hungary-Croatia cross-border region

### ZDROJE

**Video gallery**

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PROJEKT, V RÁMCI KTORÉHO BOL TENTO INFORMAČNÝ PREHÍAD VYTVORENÝ  
Rosewood 4.0

DÁTUM ODOSLANIA  
13 sep 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

