

# 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 installament of cross border groundwater monitoring system, comprised of 50 stationary pipes, automatically

recording groundwater and meteorological data.

## DETALJI

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### PODRIJETLO DRVA

Šuma

### VRSTA DRVA

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### POTENCIJAL ZA POVEĆANJE UPORABE DRVA

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### ODGOVARAJUĆA VRSTA DRVA

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### JEDNOSTAVNOST PROVEDBE

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### UTJECAJ NA OKOLIŠ I BIORAZNOLIKOST

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### JEDNOSTAVNOST PROVEDBE - EVALUACIJA

Srednji

### UČINAK NA PRIHOD

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### KLJUČNI PREDUVJETI

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### POTENCIJAL ISKORISTIVOSTI

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### VRSTA DOGAĐAJA NA KOJEM JE PRIKAZAN OVAJ BPI

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### SREDIŠTE

Jugoistočno čvorište

### UČINAK NA ZAPOŠLJIVOST

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### GOSPODARSKI UČINAK

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### TROŠKOVI PROVEDBE (EURO - €)

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### POTREBNA POSEBNA ZNANJA

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## VIŠE DETALJA

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### IZAZOV

1. Poboljšanje otpornosti šuma i prilagodbe klimatskim promjenama

### KLJUČNE RIJEČI

Water movement  
measuring station system.

### ZEMLJA PODRIJETLA

Hrvatska

### DOMENA

Upravljanje šumama, uzgoj šuma, usluge ekosustava, otpornost

### DIGITALNO RJEŠENJE

Da

### PODRUČJE PRIMJENE

Lokalna

### VRSTA RJEŠENJA

Savjetodavni i uslužni alati za vlasnike šuma

### INOVACIJA

Da

### POČETAK I KRAJ GODINE

2017 - 2019

## KONTAKT PODATCI

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### VLASNIK ILI AUTOR

Croatian Forests Ltd, Forest Administration Našice

### IZVJESTITELJ

Competence Centre Ltd. for research and development

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## REFERENCES AND RESOURCES

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### GLAVNA WEB STRANICA

[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) **Video gallery**

### IZVORI

### WEB STRANICA PROJEKTA

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

### REFERENCA PROJEKTA

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

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PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood 4.0

DATUM UNOSA

13 ruj 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

