

# 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.

## DÉTAILS

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### ORIGINE DU BOIS

Forêt

### TYPE DE BOIS

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### TYPE DE BOIS CONCERNÉ

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### IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITÉ

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### EFFET SUR LE REVENU

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### POTENTIEL D'EXPLOITATION

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### HUB

Pôle Sud-Est

### IMPACT ÉCONOMIQUE

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### CONNAISSANCES SPÉCIFIQUES REQUISES

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### POTENTIEL DE MOBILISATION

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### POTENTIEL DE DURABILITÉ - VALEUR

Très positif

### FACILITÉ D'IMPLÉMENTATION

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### FACILITÉ D'IMPLÉMENTATION - ÉVALUATION

Moyen

### PRÉREQUIS CLÉS

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### TYPE D'ÉVÉNEMENT OÙ CETTE ICPE A ÉTÉ PRÉSENTÉE

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### EFFET SUR L'EMPLOI

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### COÛTS D'IMPLÉMENTATION (EURO - €)

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## PLUS DE DÉTAILS

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### DÉFI CONCERNÉ

1. Améliorer la résilience de la forêt et son adaptation au changement climatique

### MOTS-CLÉS

Water movement measuring station system.

### PAYS D'ORIGINE

Croatie

### DOMAINE

Gestion forestière, sylviculture, services écosystémiques, résilience

### SOLUTION DIGITALE

Oui

### ECHELLE D'APPLICATION

Locale

### TYPE DE SOLUTION

Conseil, outils de service pour les propriétaires forestiers

### INNOVATION

Oui

### DÉBUT ET FIN D'ANNÉE

2017 - 2019

## INFORMATIONS DE CONTACT

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### PROPRIÉTAIRE OU AUTEUR

Croatian Forests Ltd, Forest Administration Našice

### RAPPORTEUR

Competence Centre Ltd. for research and development

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## REFERENCES AND RESOURCES

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### SITE WEB PRINCIPAL

[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)

### SITE WEB DU PROJET

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

### RÉFÉRENCE DU PROJET

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

### RESSOURCES

**Video gallery**

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PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A été CRééE

Rosewood 4.0

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

