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.

DETALLES

ORIGEN DE LA MADERA

Bosque

TIPO DE MADERA

--

TIPO DE MADERA AFECTADA

--

IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

--

EFECTO SOBRE LOS INGRESOS

--

POTENCIAL DE EXPLOTACIóN

--

HUB

Eje Sureste

IMPACTO ECONóMICO

--

CONOCIMIENTOS ESPECíFICOS NECESARIOS

--

POTENCIAL DE MOVILIZACIóN

--

POTENCIAL DE SOSTENIBILIDAD - VALOR

Muy positivo

FACILIDAD DE APLICACIóN

--

FACILIDAD DE IMPLEMENTACIóN - EVALUACIóN

Medio

PREREQUISITOS CLAVE

--

TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

--

EFECTO SOBRE EL EMPLEO

--

COSTES DE IMPLEMENTACIóN (EURO - €)

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MáS DETALLES

RETO ABORDADO

1. Mejorar la resistencia y la adaptación de los bosques al cambio climático

DOMINIO

Gestión forestal, silvicultura, servicios ecosistémicos, resiliencia

TIPO DE SOLUCIóN

Herramientas de asesoramiento y servicios para propietarios forestales

PALABRAS CLAVE

Water movement

meausuring station system.

SOLUCIóN DIGITAL

Sí

INNOVACIóN

Si

PAíS DE ORIGEN

Croacia

ESCALA DE APLICACIóN

Local

AñO DE INICIO Y FIN

2017 - 2019

DATOS DE CONTACTO

PROPIETARIO O AUTOR

Croatian Forests Ltd, Forest Administration Našice

REPORTADOR

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REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL

https://ec.europa.eu/regional_policy/en/projects/hungary/protecting-the-english-oak-in-the-hungary-croatia-cross-border-region

SITIO WEB DEL PROYECTO

http://www.oakprotection.eu/hr

REFERENCIA DEL PROYECTO

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

RECURSOS

Video gallery

PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

FECHA DE MENSAJE

13 Sep 2021

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