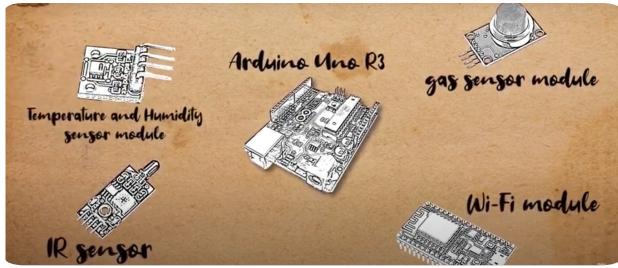


DetectIT | Save our forests



DetectIT is forest fire detection device which detects fire by using different sensors and sends notification to the application.

Fires in the Republic of Croatia are a big problem for forests, given that fire brigades have about 3.000 interventions per year. Average burned area per year is 14.278 ha of forest land. DetectIT provides information of the current situation in the forest area (level of temperature, humidity, carbon monoxide). Device secures fast information about the occurrence of a fire and provides all important data. Devices are located 100-300 meters away in the forest area and communicate with each other via radio waves. Communication between devices can reach even several kilometers so it is possible to cover very large area. Each device has one or more sensors. When the device receives an increased concentration of flammable gas or smoke, it sends a signal to the other device about occurrence of a fire.

Currently, for sending notification about occurrence of fire, device uses 4G network. In the future for notification sending, it is planned to use the 5G network which can send notification in a shorter time period. Also, it is planned to spread the use of device i.e. setting device in households. Prototype of device is installed and tested on the forest area. Device is developed by high school students of Gymnasium Velika Gorica, Croatia. Group of students signed up on international competition and won 2nd place.

DÉTAILS

ORIGINE DU BOIS	POTENTIEL DE MOBILISATION
--	--
TYPE DE BOIS	POTENTIEL DE DURABILITé - VALEUR
--	Très positif
TYPE DE BOIS CONCERNé	FACILITé D'IMPLéMENTATION
--	--
IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITé	FACILITé D'IMPLéMENTATION - ÉVALUATION
--	Facile
EFFET SUR LE REVENU	PRéREQUIS CLéS
--	--
POTENTIEL D'EXPLOITATION	TYPE D'éVéNEMENT Où CETTE ICPE A éTé PRéSENTéE
--	Visite d'étude (T2.3)
HUB	EFFET SUR L'EMPLOI
Pôle Sud-Est	--
IMPACT éCONOMIQUE	COÛTS D'IMPLéMENTATION (EURO - €)
--	--
CONNAISSANCES SPéCIFIQUES REQUISES	
--	

PLUS DE DÉTAILS

DéFI CONCERNé

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

MOTS-CLéS

Fire detection
sensors
automatic messaging.

PAYS D'ORIGINE

Croatie

DOMAINE

Gestion forestière, sylviculture, services écosystémiques, résilience

TYPE DE SOLUTION

Capteurs, équipement de mesure

SOLUTION DIGITALE

Oui

INNOVATION

Oui

ECHELLE D'APPLICATION

Régionale/subnationale

DéBUT ET FIN D'ANNéE

2019 -

INFORMATIONS DE CONTACT

PROPRIéTAIRE OU AUTEUR

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REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

--

RESSOURCES

[Application view](#)

SITE WEB DU PROJET

--

RéFéRENCE DU PROJET

--

LOGO DE LA BONNE
PRATIQUE



LOGO DE L'ORGANISATION
PRINCIPALE

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRéÉE

Rosewood 4.0

DATE DE PUBLICATION

13 sep 2021



[Link to Rosewood 4.0](#)



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



□