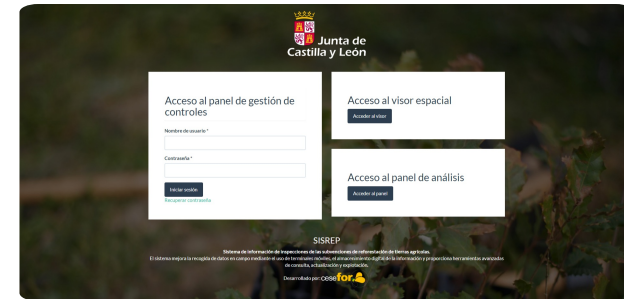


SISREP | Management and analysis of reforestations on agricultural land



SISREP is a project that has developed an advanced statistical model that allows predictive and descriptive analyses to be carried out using a forestation survival prediction tool to ensure the success of new plantations. SISREP is based on the use of knowledge from historical in-situ visits to predict the probability of success of future plantations using machine learning techniques, and on a database with more than 50,000 observations referring to forestations carried out from 1993 to the present day.

The main objective of SISREP is to make use of the information obtained during inspections in the framework of aid for afforestation and the creation of forest areas in Castilla y León in order to:

- Use of the information obtained in the field for the management of the controlled files.
- Creation of a centralised and geo-referenced database with information on the state of plantations.
- To be able to predict, by means of artificial intelligence techniques, the success of future plantations.
- With the knowledge extracted, review and improve the planning of future actions, allowing the implementation of the most appropriate technical conditions for the new environmental circumstances.

To this end, an infrastructure has been designed and implemented that allows the digitalisation of the entire workflow, from data collection in the field to the use of these data in advanced statistical analysis tools.

The data collected in the field are for example species, altitude, density, slope, method, orientation, age, lithography, with or without sowing, or area.

DETALII

SURSA DE LEMN

Pădure

TIPUL DE LEMN

Lemn masiv

POTENȚIALUL DE MOBILIZARE

--

POTENȚIAL DE SUSTENABILITATE - VALOARE

Foarte pozitiv

TIPUL DE LEMN ÎN CAUZĂ

Reforestation and creation of forest areas

FACILITATEA DE IMPLEMENTARE

--

IMPACTUL ASUPRA MEDIULUI ȘI BIODIVERSITĂȚII

SISREP enables better forest management and ensures the success of new tree plantations, thus improving the preservation of the environment and the creation of new forest ecosystems.

FACILITATEA DE IMPLEMENTARE - EVALUARE

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Therefore, the project has a very positive impact on the environment and biodiversity.

EFFECT ASUPRA VENITURILOR

Very positive. Better forest management can generate more income.

CONDIȚII CHEIE PRELABILE

In order to carry out this project, it would be necessary to have a solid database, compiled over a number of years.

POTENȚIAL DE EXPLOATARE

Very positive, as SISREP is a support system for forest management in multiple variants, as well as a valuable aid to both private owners and managers in the task of creating new forests and, in the medium term, managing specific aspects of existing ones.

TIPUL DE EVENIMENT LA CARE A FOST PREZENTAT ACEST IPB

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The use of data derived from the daily management of administrations is a

highly valuable source of information that can help to improve the services offered by these administrations. To this end, the digitisation of processes becomes a fundamental and indispensable task.

HUB

Hub Sud-Vest

IMPACT ECONOMIC

--

CUNOȘȚINȚE SPECIFICE NECESARE

Use of digital tools.

EFFECT ASUPRA LOCURILOR DE MUNCĂ

--

COSTURI PENTRU IMPLEMENTARE (EURO - €)

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MAI MULTE DETALII

PROVOCARE ABORDATĂ	DOMAIN	TIP DE SOLUȚIE
1. Îmbunătățirea rezilienței pădurilor și adaptarea la schimbările climatice	Inventariere, evaluare, monitorizare Managementul pădurilor, silvicultura, servicii ecosistemice, reziliență Perturbări ale pădurilor, riscuri, răspuns la dezastre	Modelare, DSS, simulare, optimizare
CUVINTE CHEIE	SOLUȚIE DIGITALĂ	INOVAȚIE
Reforestation database forecasting	Da	Da
ȚARA DE ORIGINE	SCARA DE APLICARE	ANUL DE ÎNCEPUT ȘI DE SFÂRȘIT
Spania	Regional/ sub-național	--

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REFERENCES AND RESOURCES

PAGINĂ WEB
https://www.pfcyl.es/sites/default/files/biblioteca/documentos/ficha_sisrep.pdf

RESURSE
Presentación : Proyecto SISREP

WEBSITE PROJECT

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REFERINȚĂ PROIECT

PROIECTUL ÎN CADRUL CĂRUIA A FOST CREATĂ ACEASTĂ FIȘĂ INFORMATIVĂ

Rosewood 4.0

DATA POSTĂRII

15 Dec 2021



[Link to Rosewood 4.0](#)



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

