

# Cross Forest

INEA/CEF/ICT/A2017/1566738

## Final remarks about Cross-Forest

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(Direção-Geral do Território – DGT)



Co-financed by the Connecting Europe  
Facility of the European Union



# Cross Forest: Framework

**data.europa.eu**  
The official portal for European data

**MQA**  
(Metadata Quality Assurance)



(dados.gov.pt)



(datos.gob.es)



**Forest Data**  
(IFN, MFE, COS, INES  
and Fire Statistics)



Ontologies  
creation



OWL file

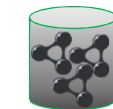
RDF  
Transformation



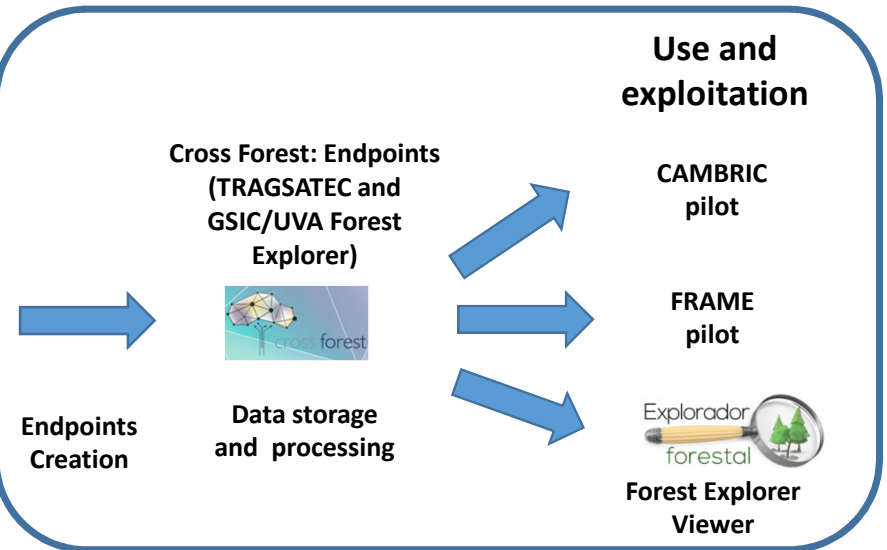
RDF file

Database  
Integration

Database  
RDF triplet



**HPC - High Performance Computing**



# Cross Forest: Framework

**data.europa.eu**  
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**MQA**  
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**dados.gov**  
Portal de dados abertos da Administração Pública

**datos.gob.es**  
reutiliza la información pública

(dados.gov.pt)

(datos.gob.es)



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Ontologies  
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OWL file

RDF  
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RDF file

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Database  
RDF triplet

**HPC - High Performance Computing**

**Use and  
exploitation**

Cross Forest: Endpoints  
(TRAGSATEC and  
GSIC/UVA Forest  
Explorer)



Data storage  
and processing

Endpoints  
Creation

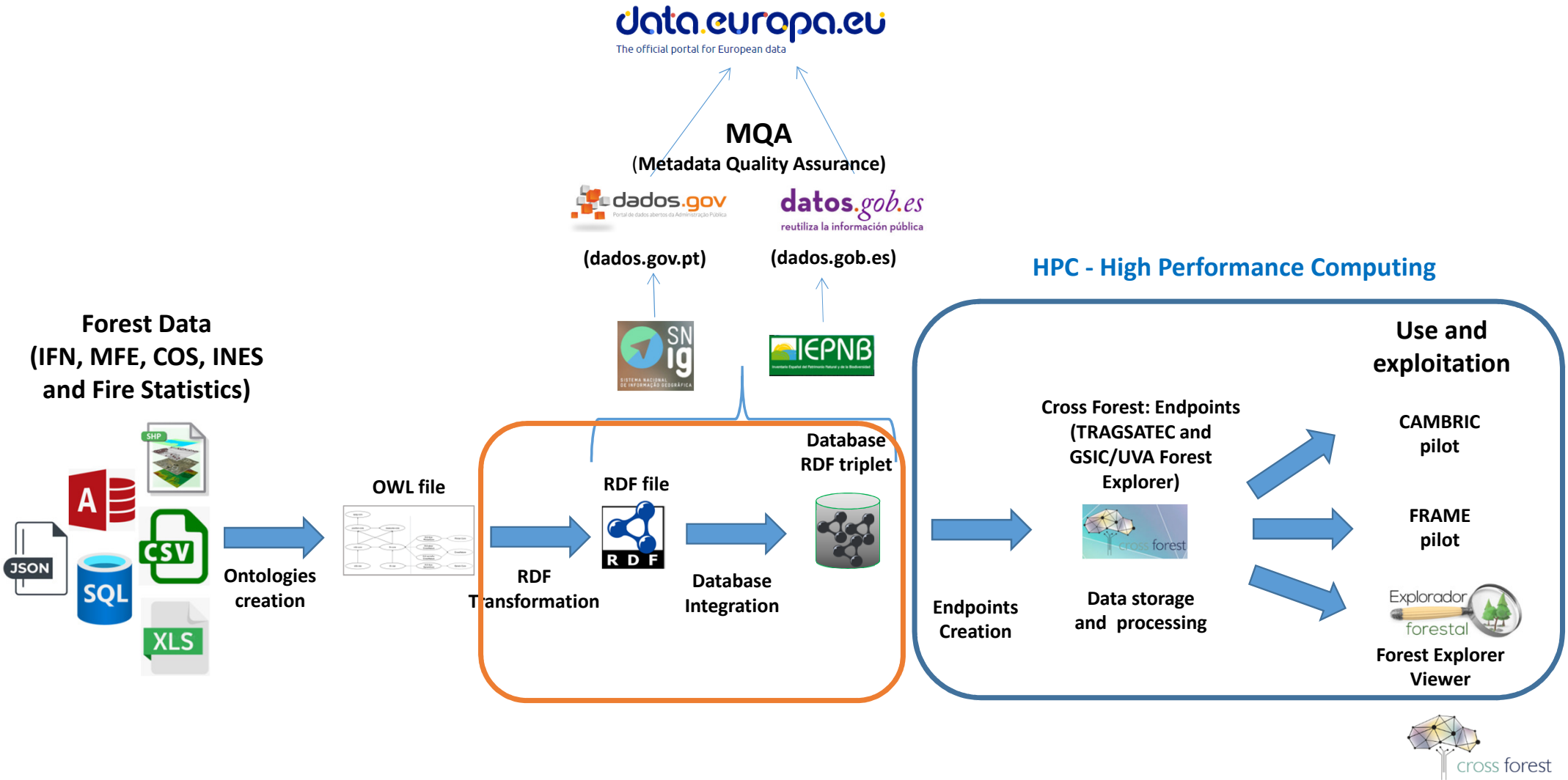
CAMBRIC  
pilot

FRAME  
pilot

Explorador  
forestal  
Forest Explorer  
Viewer



# Cross Forest: Framework

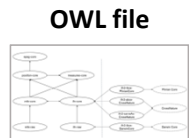


# Cross Forest: Framework

Forest Data  
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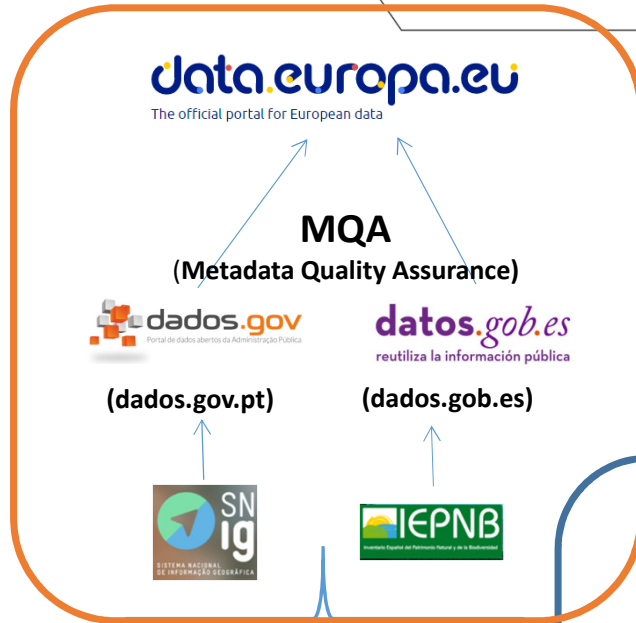
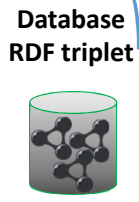
Ontologies creation



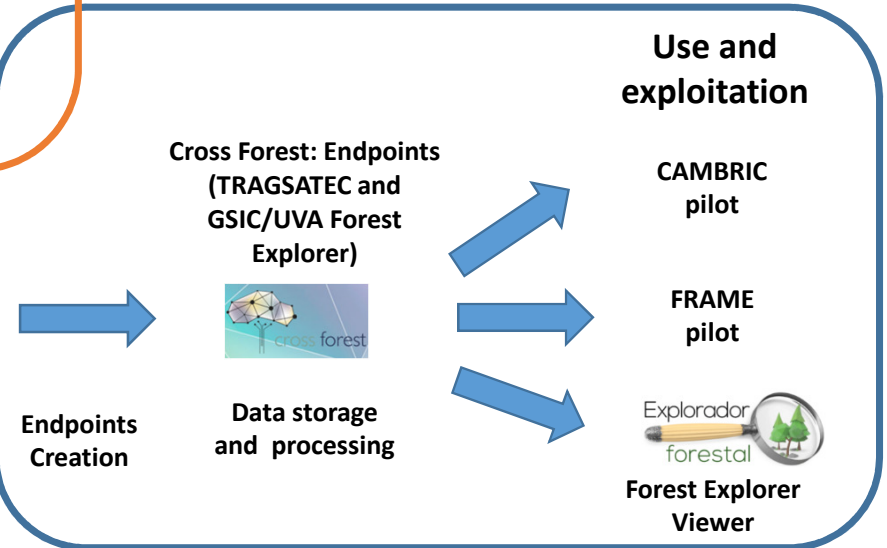
RDF Transformation



Database Integration



## HPC - High Performance Computing



[Data](#)[Impact & Studies](#)[Training](#)[News & Events](#)[About](#)

# Datasets

[Datasets](#) [Catalogues](#) [Editorial Content](#)[Last Modified](#) [Relevance](#) [More](#)

42 datasets found

Catalogues: [dados.gov.pt](#)

## Estatísticas de Incêndios Florestais (Portugal) - RDF - Projeto Cross-Forest - Statistics of Forest Fires (Portugal) - RDF - Cross-Forest Project

O conjunto de dados de estatísticas de incêndios florestais refere-se a base de dados de incêndios florestais transformada em RDF no projeto Cross-Forest. Para a transformação dos dados em RDF, foi seguido o fluxo de trabalho onde os dados no formato XLS do Instituto da Conservação da Natureza e das Florestas (ICNF) foram pré-processados para dados tabular...



Updated: 17.06.2021 11:58 Created: 17.06.2021 11:07

dados.gov.pt

## 6º Inventário Florestal Nacional - IFN6 - RDF - Projeto Cross-Forest - 6th National Forest Inventory - IFN6 - RDF - Cross-Forest Project

Este conjunto de dados geográficos, produzido pelo ICNF (Instituto da Conservação da Natureza e das Floresta), corresponde ao 6º Inventário Florestal Nacional (IFN) e foi preparado para ser disponibilizado como Linked Open Data (LOD) em formato RDF, com informações agregadas de acordo com as NUTSIII, no âmbito do projeto Cross-Forest. O IF...



Updated: 20.05.2021 09:02 Created: 20.05.2021 08:51

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## Land Cover Map – COS 2018 – RDF – Cross-Forest Project

Land Use

### Settings

Operator  AND  OR

### Catalogues

[dados.gov.pt](#) 42

### Keywords

[dadosabertos-cascais-pt](#) 13

[qualidade-do-ar](#) 11

[indice](#) 10

[dados-cm-lisboa-pt](#) 7

[linked-open-data](#) 5

[transparencia-sns-gov-pt](#) 5

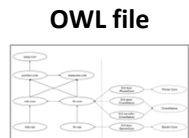


# Cross Forest: Framework

Forest Data  
(IFN, MFE, COS, INES  
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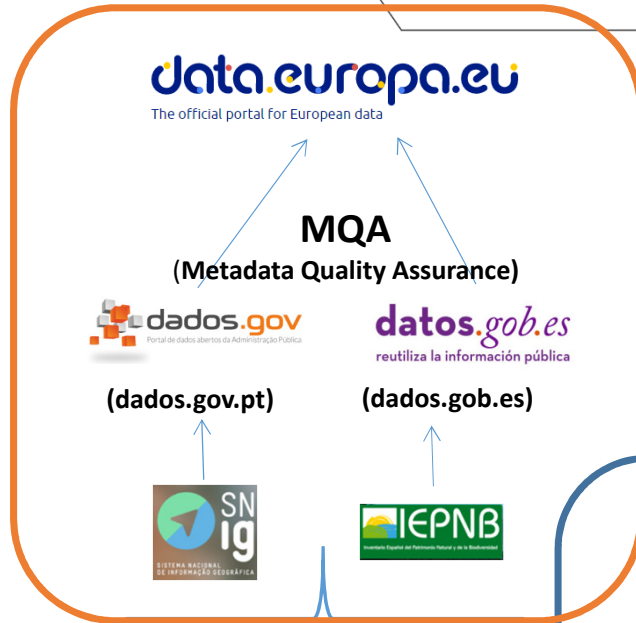
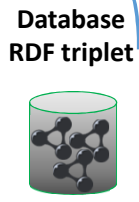
Ontologies creation



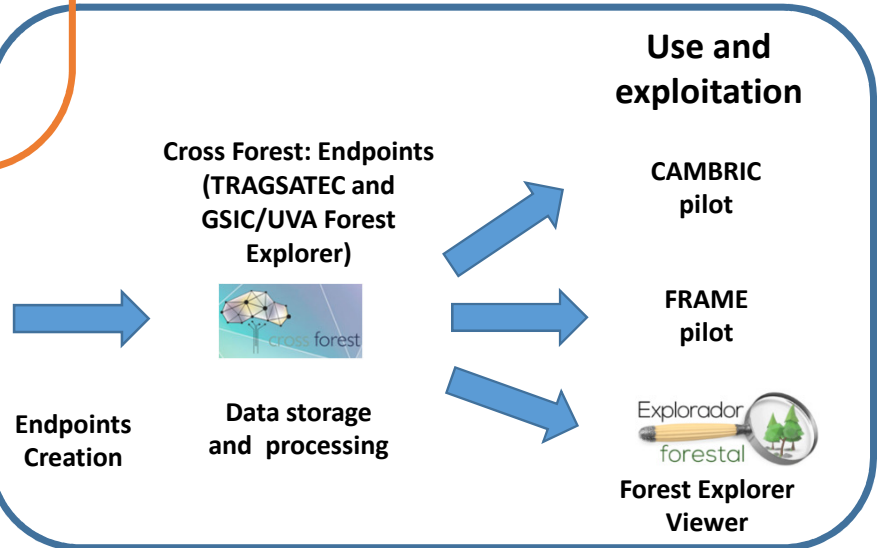
RDF Transformation



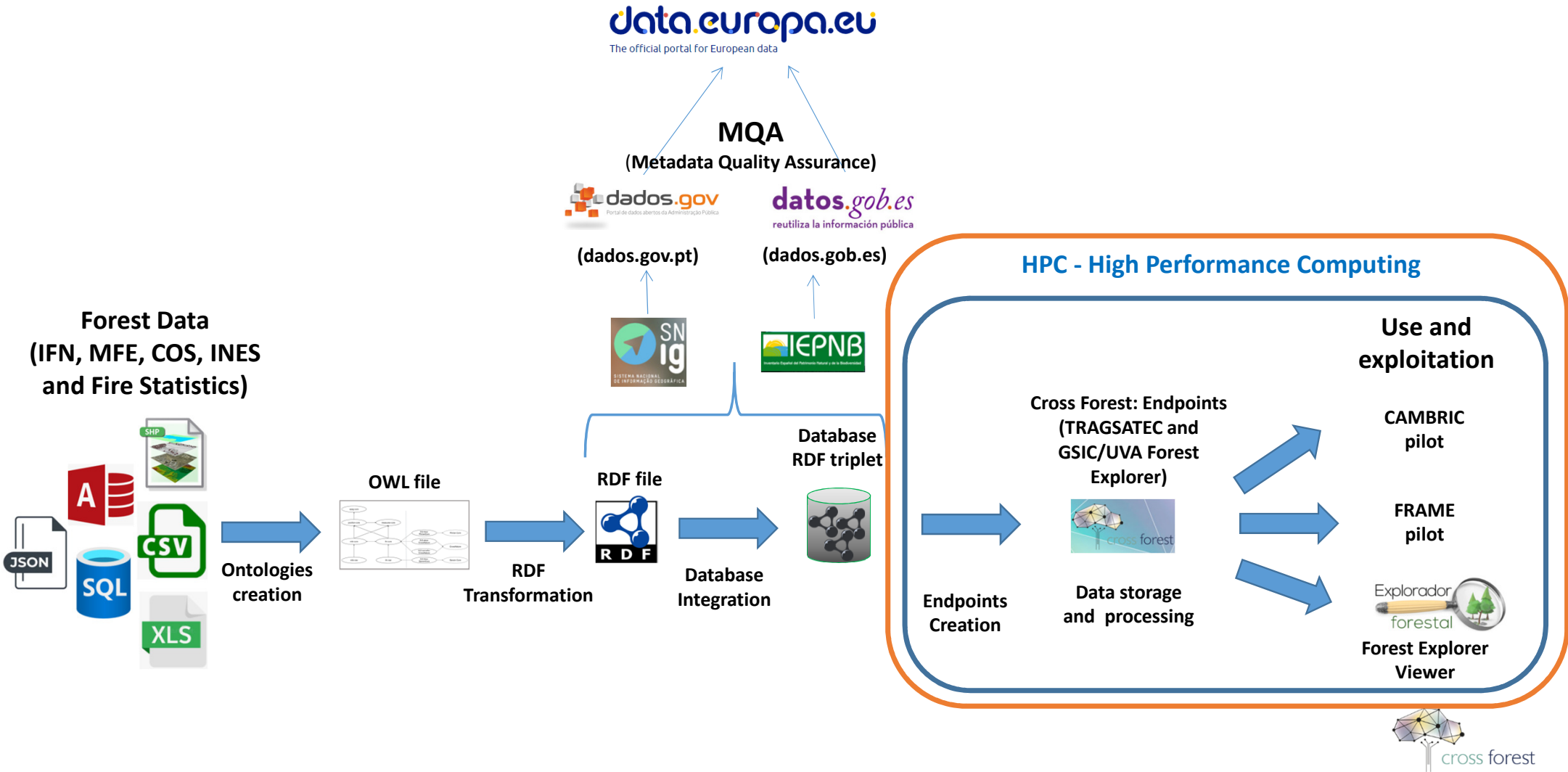
Database Integration



## HPC - High Performance Computing

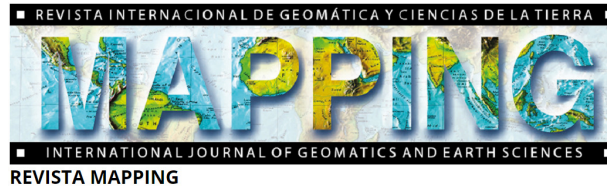


# Cross Forest: Framework





## Dissemination: Publications



### 2019

1 - Baiget Llompart, R., Lerner Cuzzi, M., Fonseca, A., Gomes, A.L., Olivera, V.M., Campillo, J.L., Vega Gorgojo, G., Giménez, J.M., Oviedo, F.B., Ordóñez Alonso, C. (2019). **CROSS-FOREST, HARMONIZATION AND MODELING OF DATA: A cross-border project on open forest data in Spain and Portugal.** **JIIDE 2019** – X Jornadas Ibéricas de las Infraestructuras de los datos espaciales, Cáceres, 23-25 October 2019.

2 - Baiget Llompart, R., Vega Gorgojo, G., Lerner Cuzzi, M., Giménez, J.M., Fierro Garcia, B., Fonseca, A., Gomes, A.L., Olivera, V.M., Campillo, J.L., Oviedo, F.B., Ordóñez Alonso, C. (2019). **CROSS-FOREST, HARMONIZATION AND MODELING OF DATA: A cross-border project on open forest data in Spain and Portugal.** **Mapping** – Revista Internacional de Ciencias de la Tierra, 28 (198): 38-44.

### 2020

3 - VEGA-GORGOJO, Guillermo; GIMÉNEZ-GARCÍA, José M.; FIERRO, Belén; LERNER, Marta; ORDÓÑEZ, Cristóbal; BRAVO, Felipe; GOMES, Ana Luisa; FONSECA, Alexandra (2020). **Easy Visualization of Forest Inventories and Land Cover Maps with Forest Explorer.** **JIIDE 2020** – XI Jornadas Ibéricas de Infraestructuras de Datos Espaciais, Portugal, 26-30 October 2020.

4 - ORDÓÑEZ, Cristóbal; BRAVO, Felipe; GONZALVO, Victor; AGUIRRE, Felipe; VEGA-GORGOJO, Guillermo; GIMÉNEZ-GARCÍA, José M.; FONSECA, Alexandra; GOMES, Ana Luisa (2020). **Surveying Cross-Forest Platform: modelization of wildfires and growth in Iberian forest stands.** **JIIDE 2020** – XI Jornadas Ibéricas de Infraestructuras de Datos Espaciais, Portugal, 26-30 October 2020.

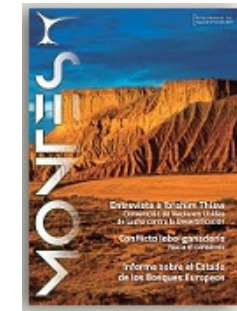
5 - FONSECA, Alexandra; GOMES, Ana Luisa; SILVA, Rafael; ROLDÁN-ZAMARRÓN, Asunción; GIMÉNEZ-GARCÍA, José M.; ORDÓÑEZ, Cristóbal; MATELLÁN, Vicente; FANEGO, Álvaro (2020). **Evaluation of Cross-Forest project developments: preliminary results.** **JIIDE 2020** – XI Jornadas Ibéricas de Infraestructuras de Datos Espaciais, Portugal, 26-30 October 2020.

### 2021

6 - A. Roldán, M. Lerner, B. Fierro, F. Aguirre, V. Gonzalvo, R. Baiget, F. Bravo, C. Ordóñez, G. Vega, J. M. Giménez, A. Fonseca, A. L. Gomes, Á. Fanego, J. Lorenzana, V. Matellán (2021). **Cross-Forest: Plataforma Abierta de Información Forestal Peninsular.** **REVISTA MONTES**, Nº 144, ISSN 0027-0105.

7 - VEGA-GORGOJO, Guillermo; GIMÉNEZ-GARCÍA, José M.; ORDÓÑEZ, Cristóbal; BRAVO, Felipe. (2021). **Pioneering Easy-to-Use Forestry Data with Forest Explorer.** **Semantic Web** – Interoperability, Usability, Applicability an IOS Press Journal. 2021.

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## Dissemination: Website and Twitter

### Website Cross-Forest project

### Twitter

cross forest

Project Pilots Results Publications News & Events Networking Tell us Contact

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cross forest  
CROSS Harmonization & HPC modelization of FOREST Datasets

Home

CROSS Harmonization & HPC modelization of FOREST Datasets: Cross-Forest  
23/06/2021 10:00 - 14:10  
[https://bit.ly/CrossForest\\_inscription](https://bit.ly/CrossForest_inscription)  
<https://crossforest.eu> @CrossForest

CROSS-FOREST Project closure event 23/06/21

Co-financed by the Connecting Europe Facility of the European Union

Introduction to CRAFTS: Configurable RESTful APIs For Triple Stores

CRAFTS: Configurable RESTful APIs for triple stores

2020 XI Jornadas Ibéricas de Infraestructuras de Datos Espaciales (XI JIIDE)

Cross-Forest project in the remote event XI Jornadas Ibéricas de Infraestructuras de Datos Espaciales (XI JIIDE) - (26-30 October 2020)

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**Cross-Forest**  
@\_CrossForest

CROSS Harmonization & HPC modelization of FOREST Datasets  
Agreement No INEA/CEF/ICT/A2017/1566738 Co-financed by the European Union Connecting Europe Facility

Cross-Forest aims to develop Digital Service Infrastructures - DSI with forestry and GIS datasets that come from Portugal and Spain.

Portugal [crossforest.eu](https://crossforest.eu) Joined October 2019

773 Following 458 Followers

Tweets Tweets & replies Media Likes

**Pinned Tweet**

**Cross-Forest** @\_CrossForest · Oct 14, 2020  
The Cross-Forest team counts on your evaluation of the project and its initial results.

### Project

Presentation
Objectives
Activities
Partners & Data Providers
Links

### Pilots

FRAME	>	Advances Frame
CAMBrC	>	Advances Cambric

### Results

Forest Explorer
Ontologies
High Performance Computing (HPC)
DATA

(<https://crossforest.eu>)

(@\_CrossForest)

458 Followers



# Products / Principles / Benefits

RDF Forest and Land cover Datasets

Iberian Data and Ontologies

Forest Explorer Viewer

Geographic Grids

Pilots CAMBRIC & FRAME using HPC

CF SPARQL Endpoint in HPC

Products

Benefits

Principles

Open Access to Data

Explore processing power from HPC

Data Linked and Shared on the Web

Better simulation scenarios

Better services to citizens and decision-makers

Open data: FROM disperse & proprietary format files TO one single database as LOD.

LOD connected to other LOD graphs (Cross-Nature, Wikidata...) and to other layers of information

Available reusable generic ontologies (measures, epsg, positions)

Established ontologies and models for forestry data of other countries

Reusable methodology and workflow for other datasets

Added value to the available information

Better cooperation between public agencies

Cross-boarder data integration



Tell us: SURVEY



## Cross-Forest Survey – Evaluation of results and project evaluation

The main goal of this survey is to contribute to the final evaluation of Cross-Forest project, obtaining an assessment from users and the feedback from citizens. The evaluation is focused also in Forest Explorer an viewer that allows you to browse and explore forest data from Spain and Portugal.

To be able to fill the survey access to:

- The project website: <http://crossforest.eu/>
- Forest Explorer <https://forestexplorer.gsic.uva.es/explorer/>

\*Required



## Forest Explorer Survey – Viewer Forest Explorer Final Evaluation

The evaluation is focused in Forest Explorer a viewer that allows you to browse and explore forest data from Spain and Portugal. Navigate the map, select tree species, filter by patches uses, discover plots and trees. The forest explorer is consciously optimized to work even on mobile devices.

This survey contribute of Cross-Forest project and its results, obtaining an assessment from users and the feedback from citizens.

To be able to fill the survey access to:

- Forest Explorer <https://forestexplorer.gsic.uva.es/explorer/>

\*Required

<https://crossforest.eu/tell-us/>





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**[www.crossforest.eu](http://www.crossforest.eu)**