



CD-ETA
Interreg Europe



European Union
European Regional
Development Fund

Digitization of natural heritage in Spain

Óscar Giménez Gras

Local project Coordinator

Association of Municipalities of Ribera Alta Region

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SPANISH NATURAL AREAS

- Spain is a peninsula.
- We have the influence of the Atlantic Ocean, Mediterranean Sea, etc.
- We have 4 biogeographic regions: Atlantic, Alpine, Macaronesian and Mediterranean.
- The result is:

WE HAVE A HIGH BIODIVERSITY OF NATURAL AREAS AND SPECIES



NATURA 2000 AREAS

-
- Spain have:
 - 118 types of habitats include in the European Habitats Directive.
 - 263 protected species (Habitat Directive).
 - 125 protected species (Birds Directive).



OTHER PROTECTION FIGURES

- National Parks.
- Regional Natural Parks.
- Local Protected Natural Places.
- Micro flora reserves.



SPANISH NATURAL AREAS (CONCLUSION)

- We have a high biodiversity (habitats, flora and fauna).
- Some species endangered (high risk).
- Habitats with an important human pressure.
- Digitalization of our Natural Heritage could be a solution to:
- Preserve the Natural Heritage.
- Improve the knowledge about that heritage.



DIGITALIZATION BEST PRACTICES IN SPAIN

- In the framework of this seminar, we will learn about three BP in Spain:
 - Digitalization of Natural Areas in Valencia Region – Mr. Fernando Sánchez Miramón, Geodesy Engineer. Valencian Cartographic Institute (Spain).
 - Contents HUB “NCO Viewer” – Mr. Manuel Carbajo Ruiz, Head of Service of Thematic Cartography. National Geographic Institute (Spain).
 - Digitalization of Natural Paths in Albufera de Valencia Natural Park.



DIGITALIZATION OF NATURAL HERITAGE (SPAIN)

OTHER INTERESTING BEST PRACTICES

- APP (DIGITAL INFORMATION OF THE SPANISH NATIONAL PARK):

RED DE PARQUES NACIONALES DE ESPAÑA

SPANISH NATIONAL PARK NETWORK

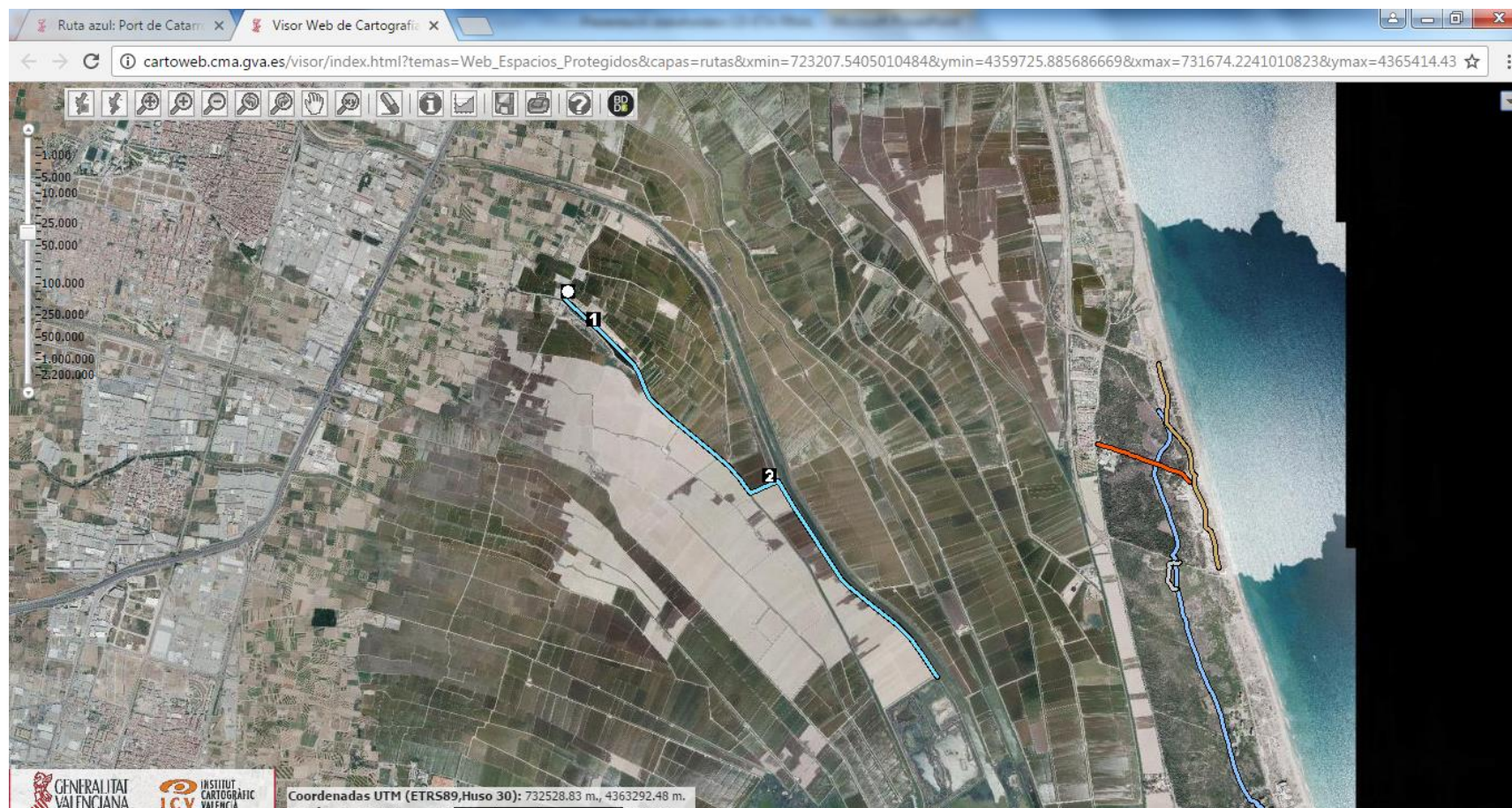
| | | |
|---|---|--|
| 1 Parque Nacional de los Picos de Europa Picos de Europa National Park | 6 Parque Nacional de Doñana Doñana National Park | 11 Parque Nacional de Cabárceno Cabárceno National Park |
| 2 Parque Nacional de Ordesa y Monte Perdido Ordesa and Monte Perdido National Park | 7 Parque Nacional de las Tablas de Daimiel Tablas de Daimiel National Park | 12 Parque Nacional de Sierra Nevada Sierra Nevada National Park |
| 3 Parque Nacional del Teide Teide National Park | 8 Parque Nacional de Timanfaya Timanfaya National Park | 13 Parque Nacional Marítimo Terrestre de las Islas Atlánticas de Galicia Galician Atlantic Islands Maritime Terrestrial National Park |
| 4 Parque Nacional de la Cumbre de Taburiente Cumbre de Taburiente National Park | 9 Parque Nacional de Guadajirama Guadajirama National Park | 14 Parque Nacional de Montgròs i Montserrat Montgròs National Park |
| 5 Parque Nacional de Aigües Tortes i Estany de Sant Miquel Aigües Tortes and Estany de Sant Miquel National Park | 10 Parque Nacional Marítimo Terrestre del Archipiélago de Cabrera Cabrera Archipelago Maritime Terrestrial National Park | 15 Parque Nacional de la Sierra de Guadarrama Sierra de Guadarrama National Park |



DIGITALIZATION OF NATURAL HERITAGE (SPAIN)

OTHER INTERESTING BEST PRACTICES

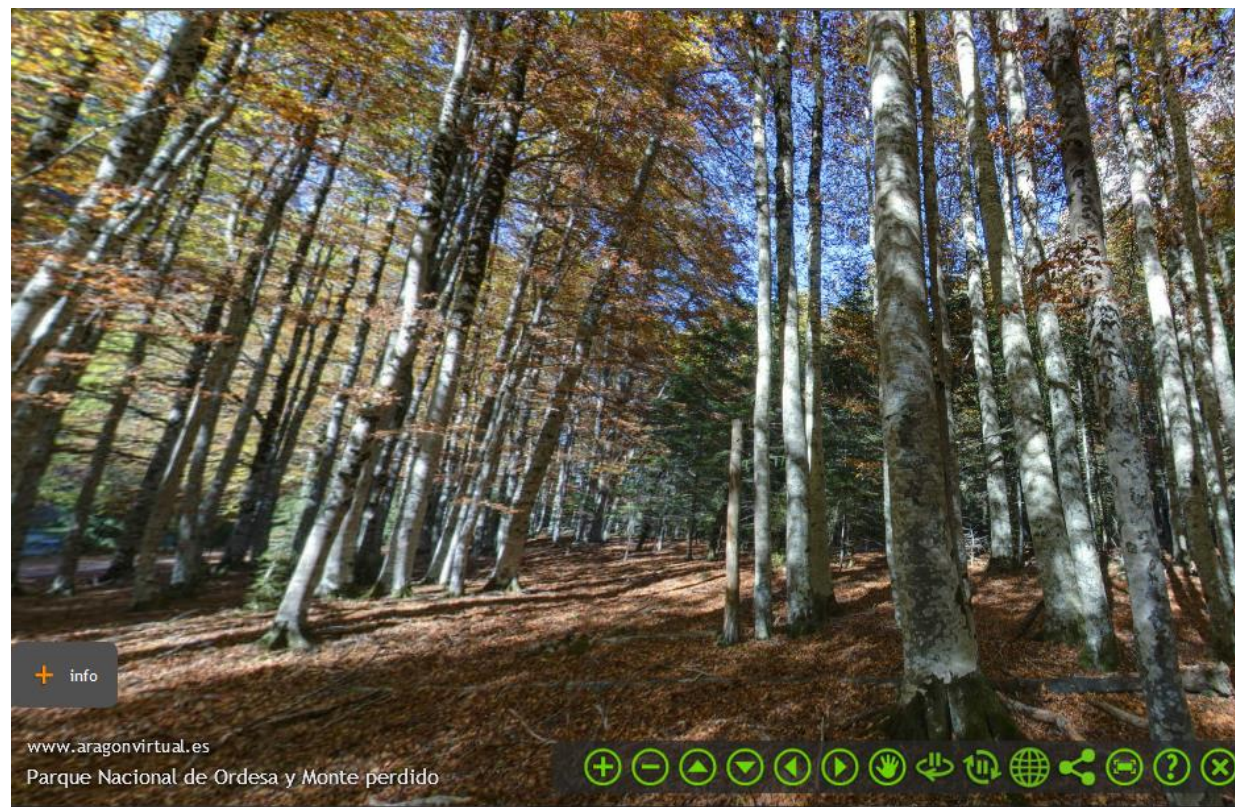
Virtual routes in Albufera Natural Park:



DIGITALIZATION OF NATURAL HERITAGE (SPAIN)

OTHER INTERESTING BEST PRACTICES

Virtual visit in Ordesa National Park:



DIGITALIZATION OF NATURAL HERITAGE (SPAIN)

OTHER INTERESTING BEST PRACTICES

Use of QR codes to obtain digital information and virtual paths of Cabañeros National Park:



DIGITALIZATION OF NATURAL HERITAGE (SPAIN)

OTHER INTERESTING BEST PRACTICES

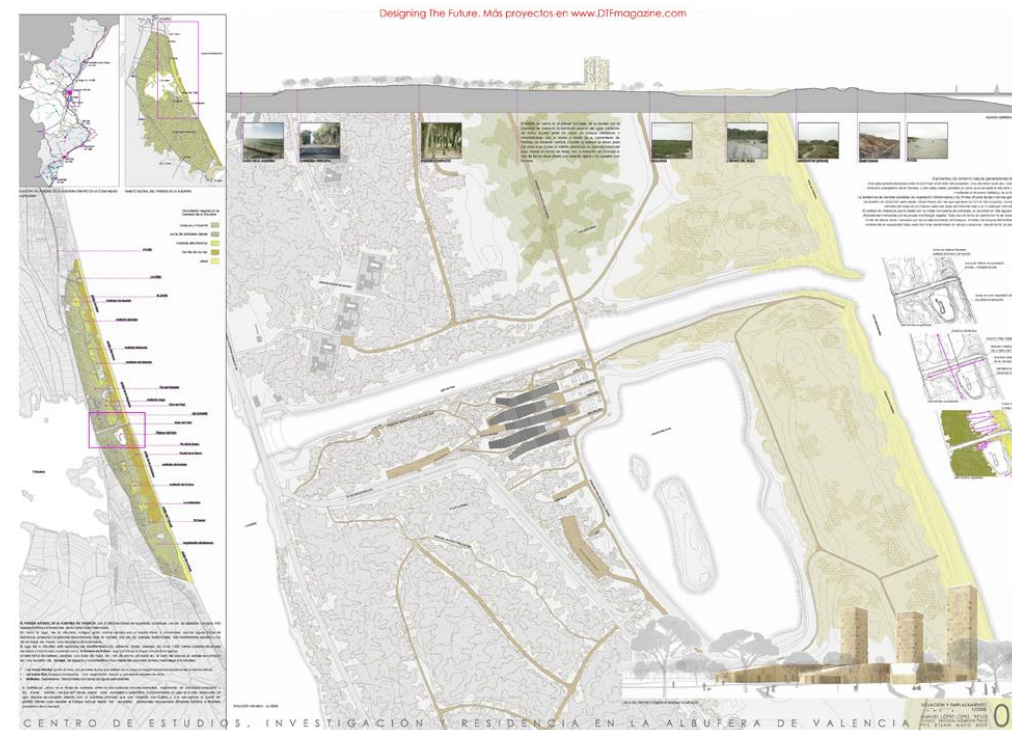
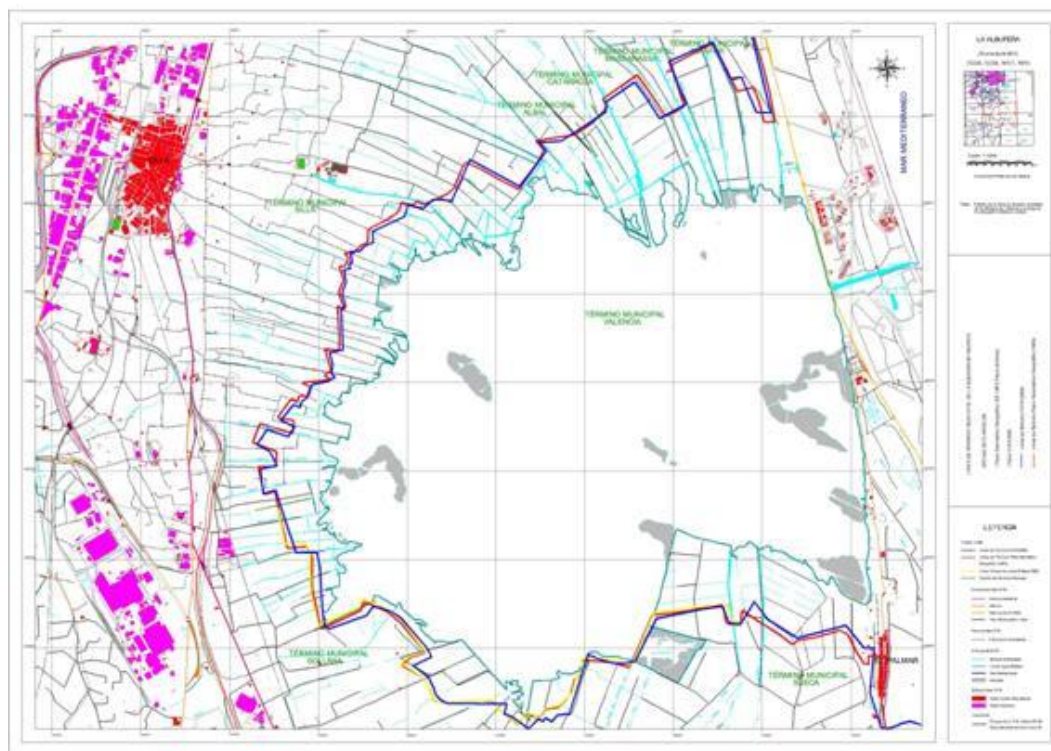
Use of QR codes to recognize, study and dissemination of autochthonous flora:



DIGITALIZATION OF NATURAL HERITAGE (SPAIN)

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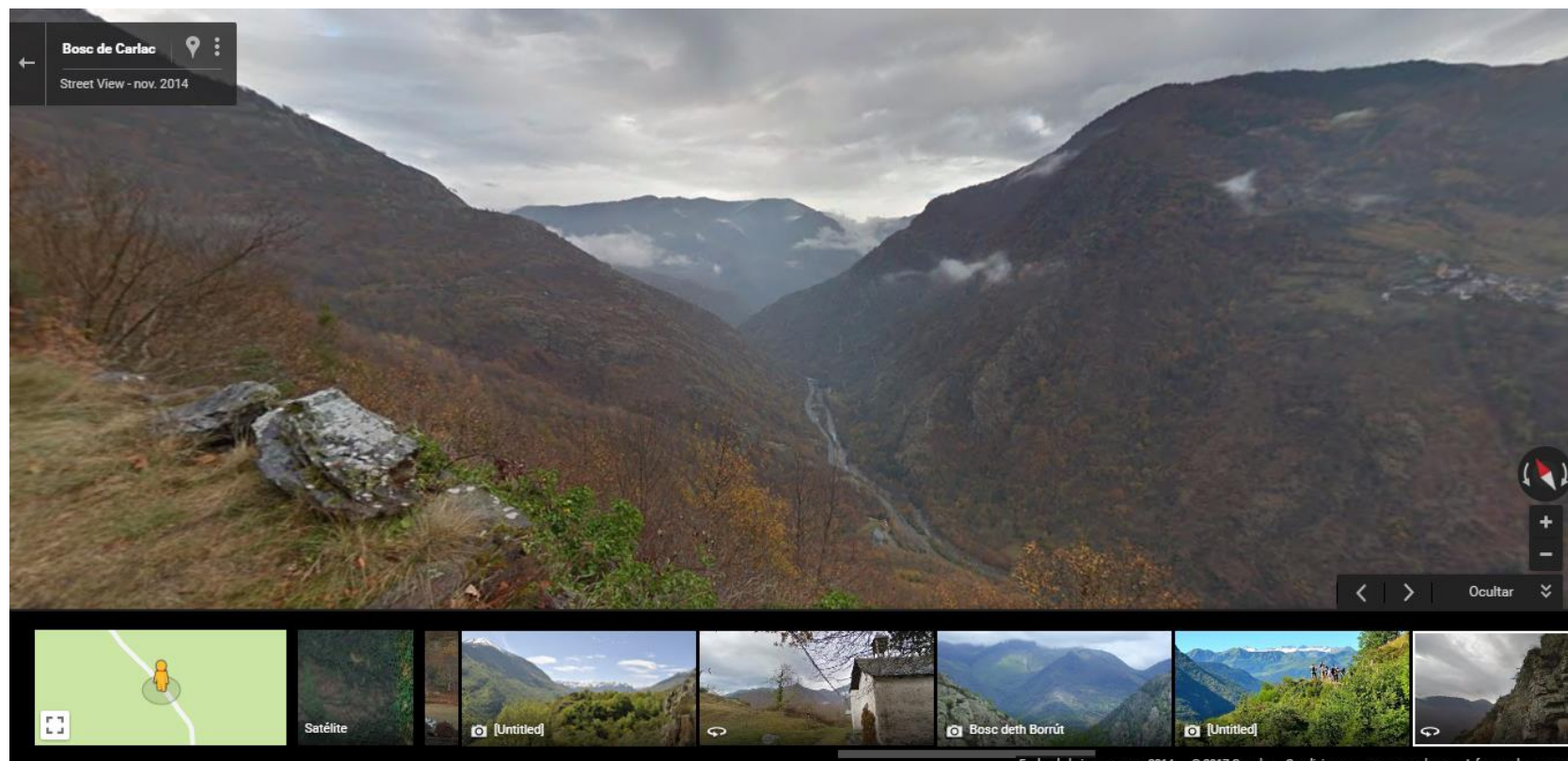
Digitalization for scientific study of Albufera de Valencia Natural Park:



DIGITALIZATION OF NATURAL HERITAGE (SPAIN)

OTHER INTERESTING BEST PRACTICES

Virtual Catalonia:



Thank you for attention!

Óscar Giménez Gras

Mancomunidad de la Ribera Alta

medi_ambient@manra.org

