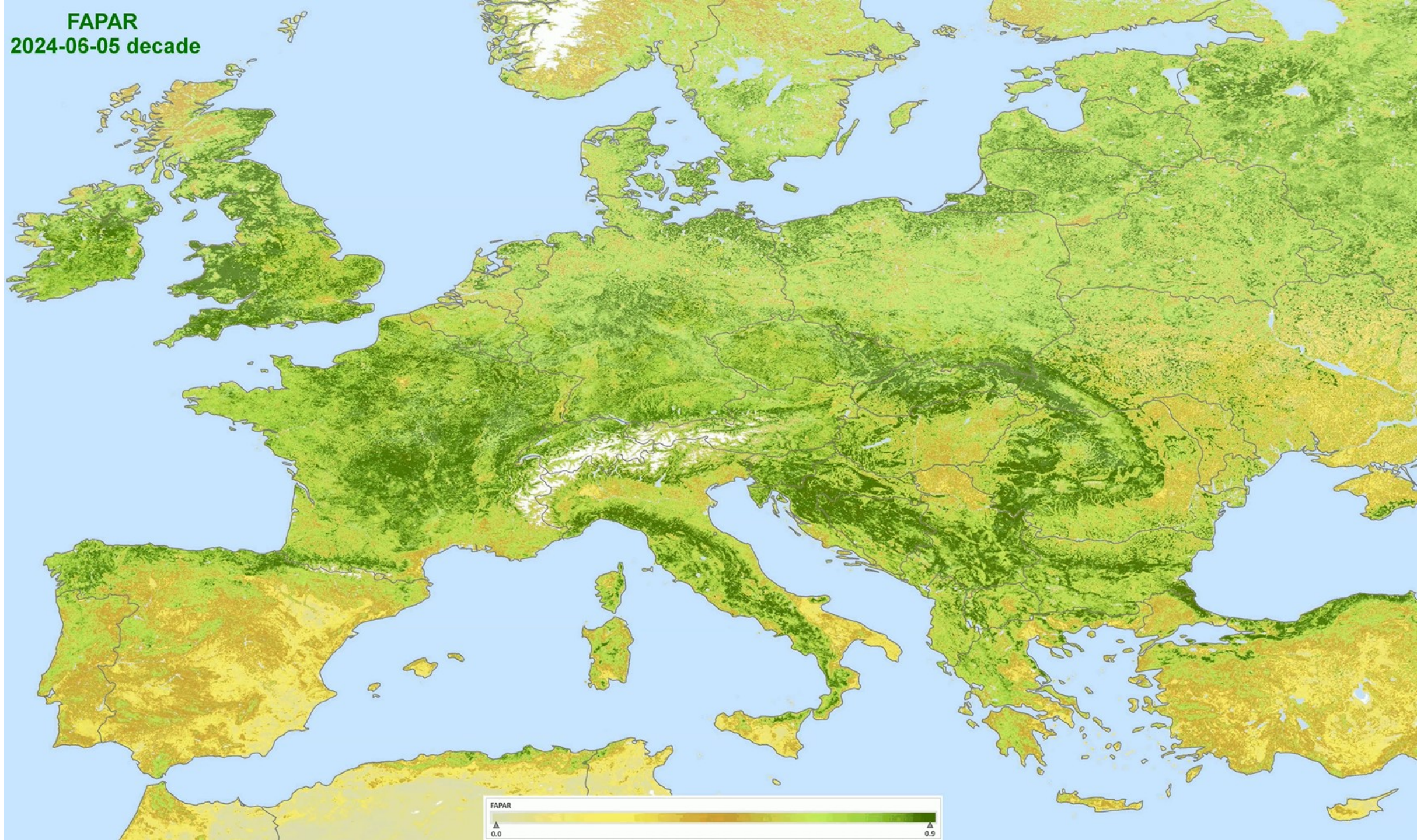


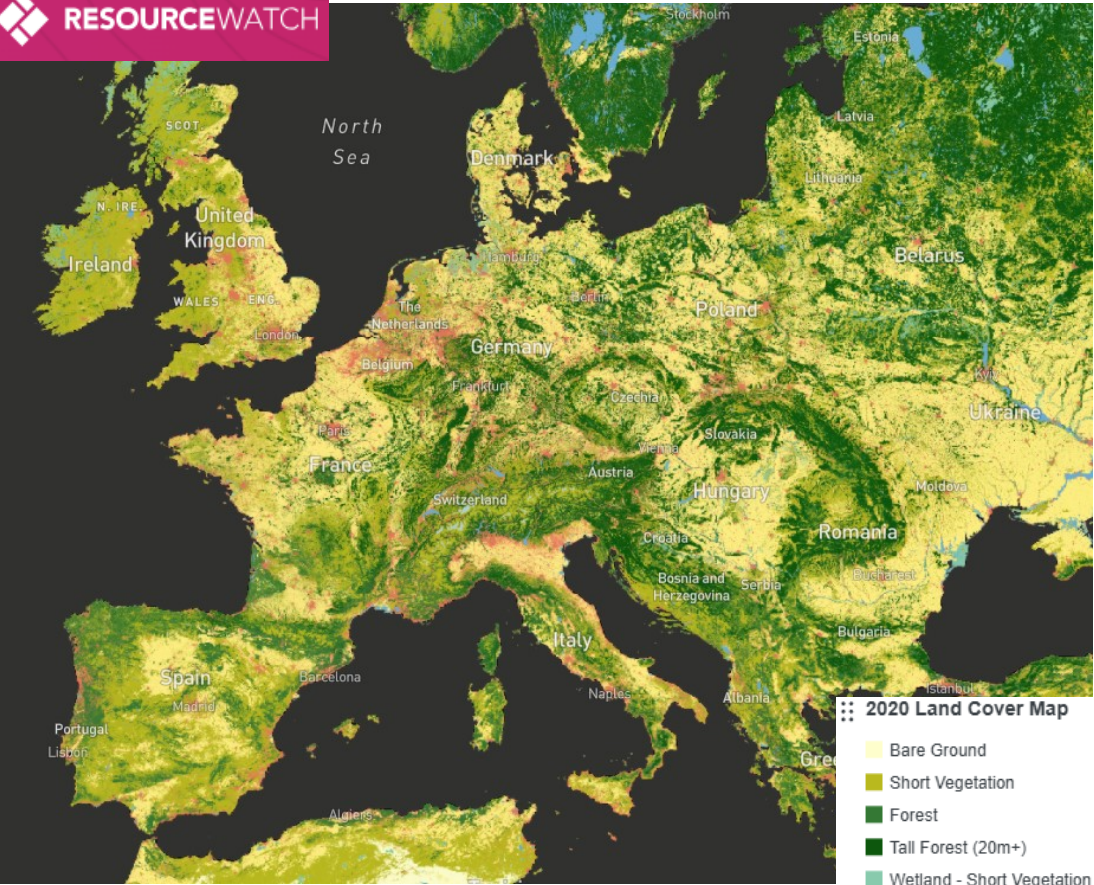
Case-Study Eumetsat

European « Vegetation Pulse » animation

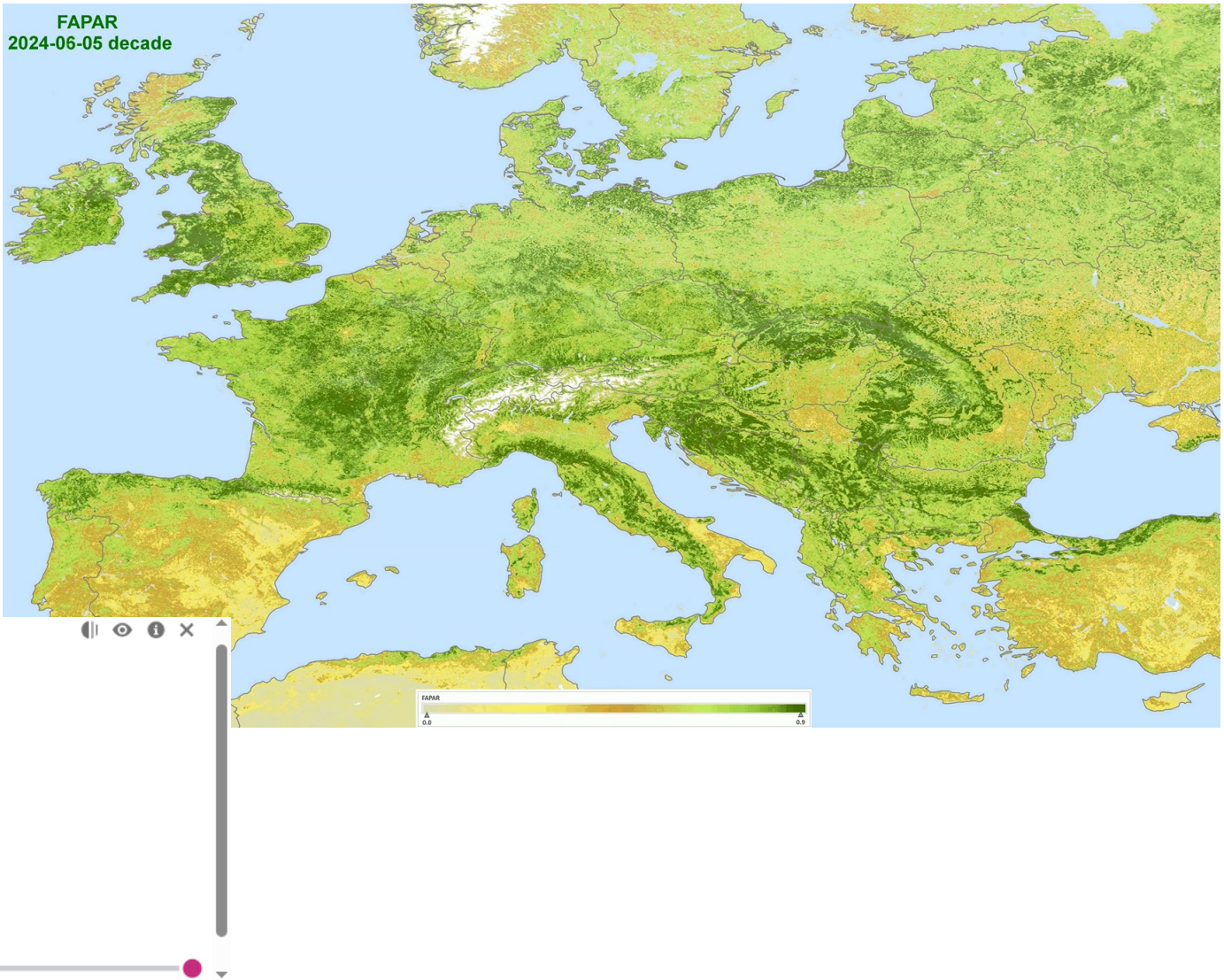
| Vegetation Pulse **2024** | Case-Study (2) |

FAPAR
2024-06-05 decade

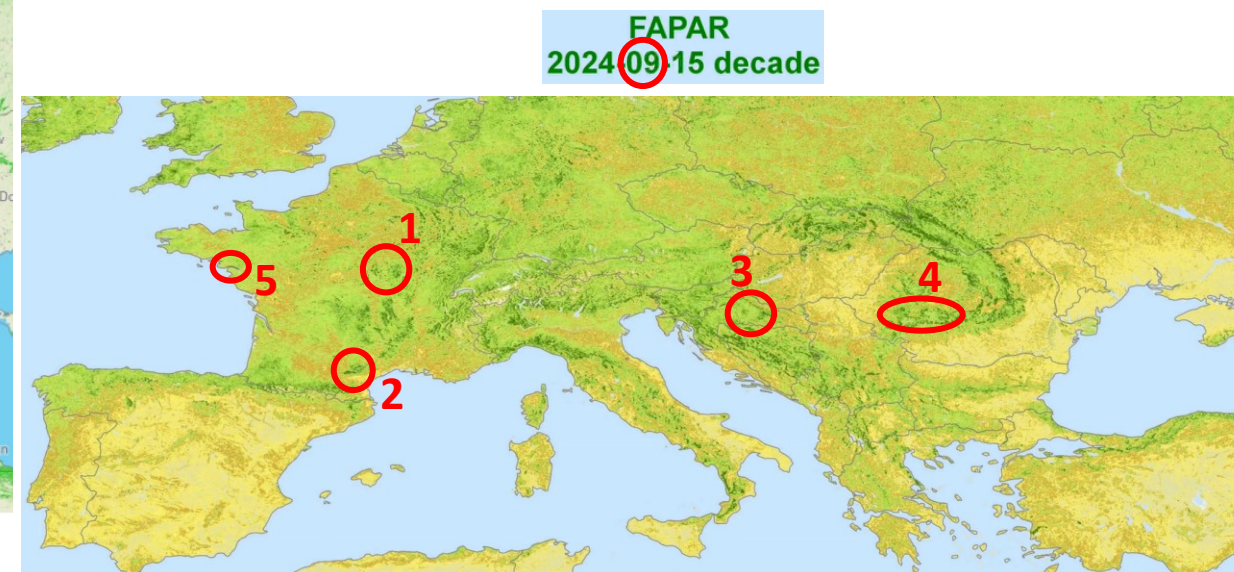
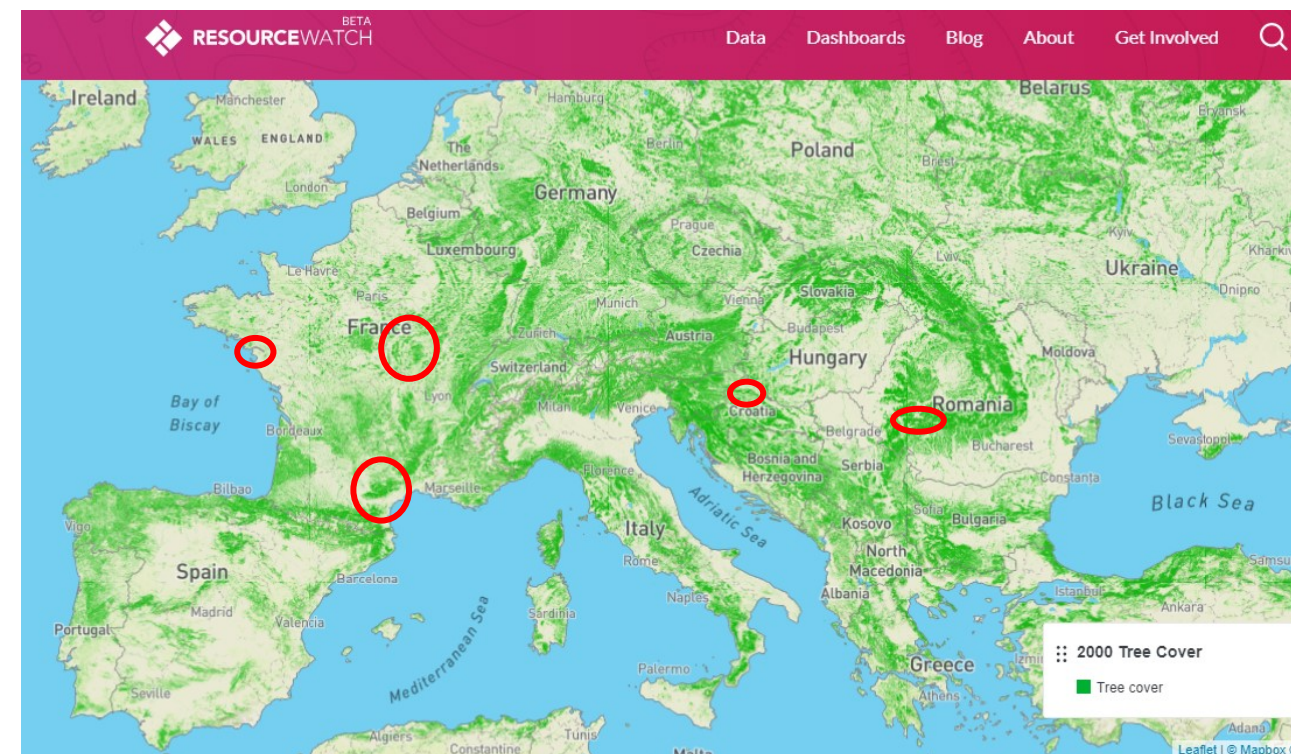




[Global land use and land cover map for 2020](#)



First glance on the « Vegetation Pulse 2024 » vs the « Land Cover » map proposed by ResourceWatch.
The main forest patterns appear quite clearly on both.



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- 1: Morvan forest
- 2: Montagne Noire forest
- 3: Croatia (Podgaric) forest
- 4: Romania (patterns) – Transylvanian Alps peaks
- 5: “La Loire” river valley (pattern)

If you want to explore how these 5 features behaved within the « Vegetation Pulse 2019 », see the dedicated Case-Study document, [Case-Study GeohALL Vegetation Pulse 2019](#).

Analysis

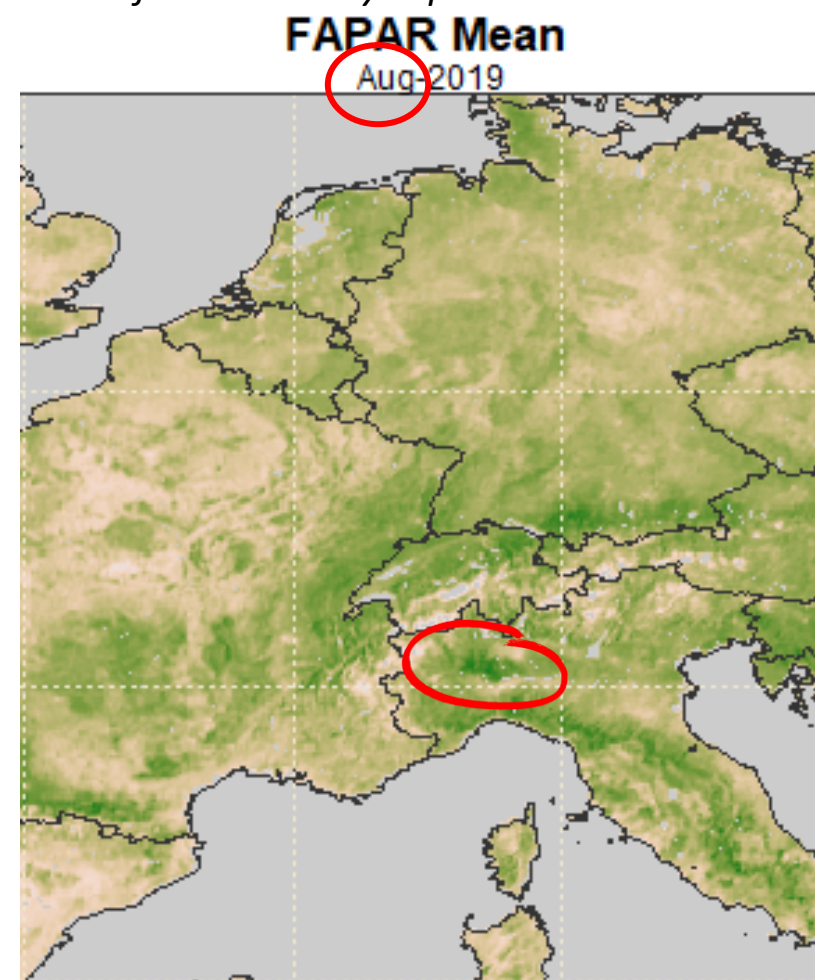
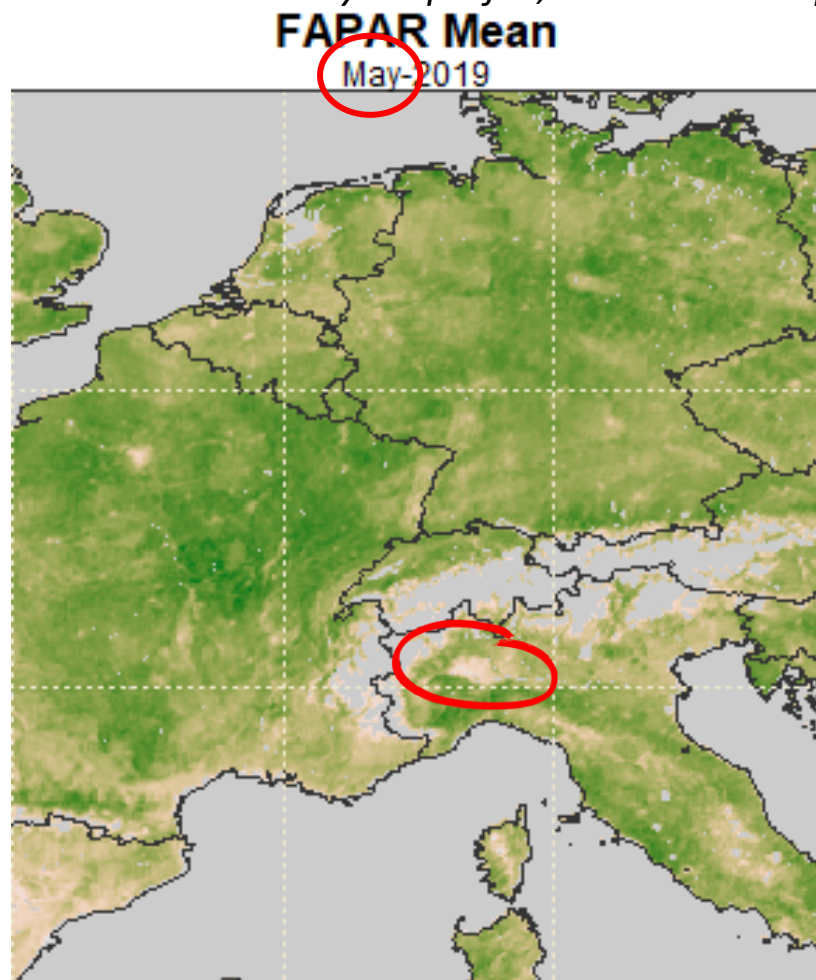
Presently we propose to consider 2 new noticeable vegetation features, (6) in Italia and (7) in Portugal.

Main Rice perimeter of Italy – arable land mainly occupied by paddy rice fields.

Italy, Piedmont / Lombardy, Novara province.

Because of the rice crop calendar, the paddy rice fields have a “bare soil” behaviour in May (soil preparation & sowing), contrasting with other neighbouring land-use. Then, at the top development phase of the rice in August, vegetation is highly active.

We have a look here back on the 2019-year profile, where the rice perimeter feature is very expressive.



Analysis

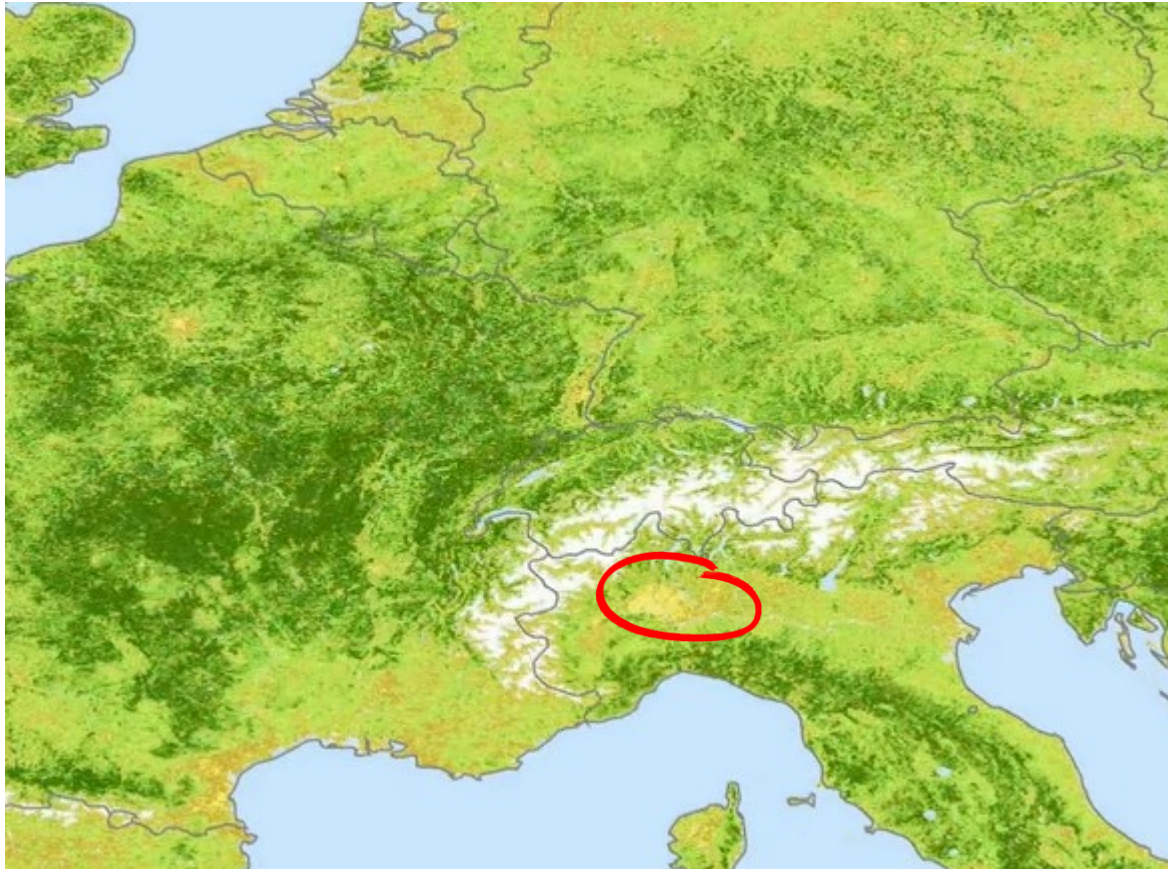
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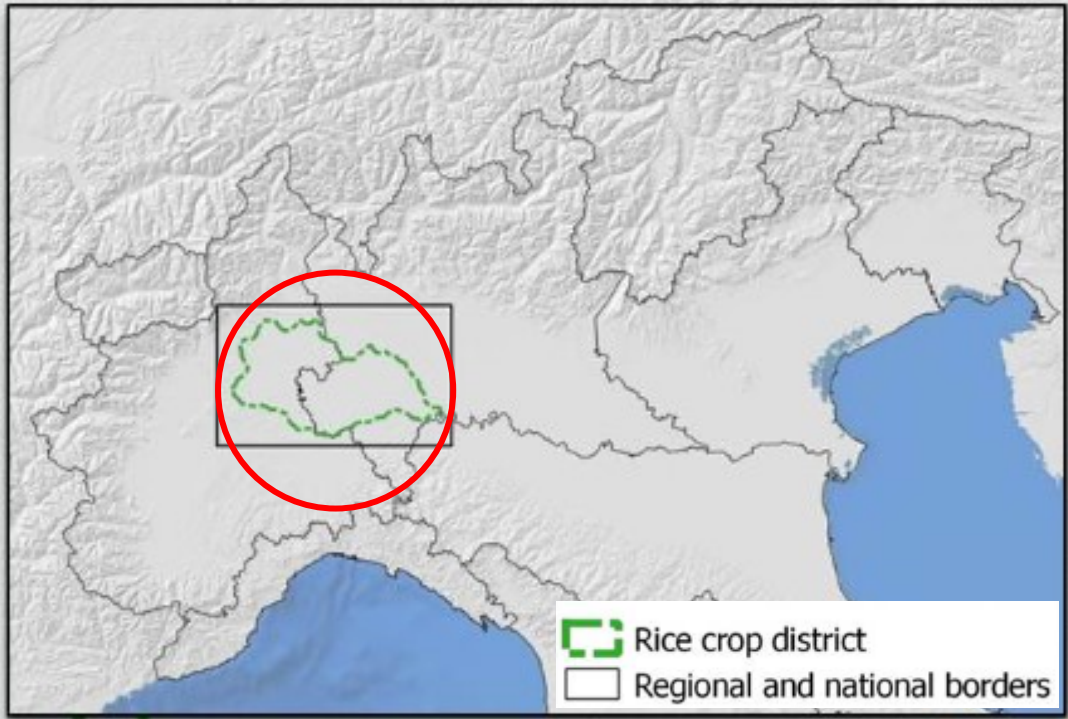
In the same way, rice perimeter feature is very expressive for the year 2024 as well.

2024-05-25 decade



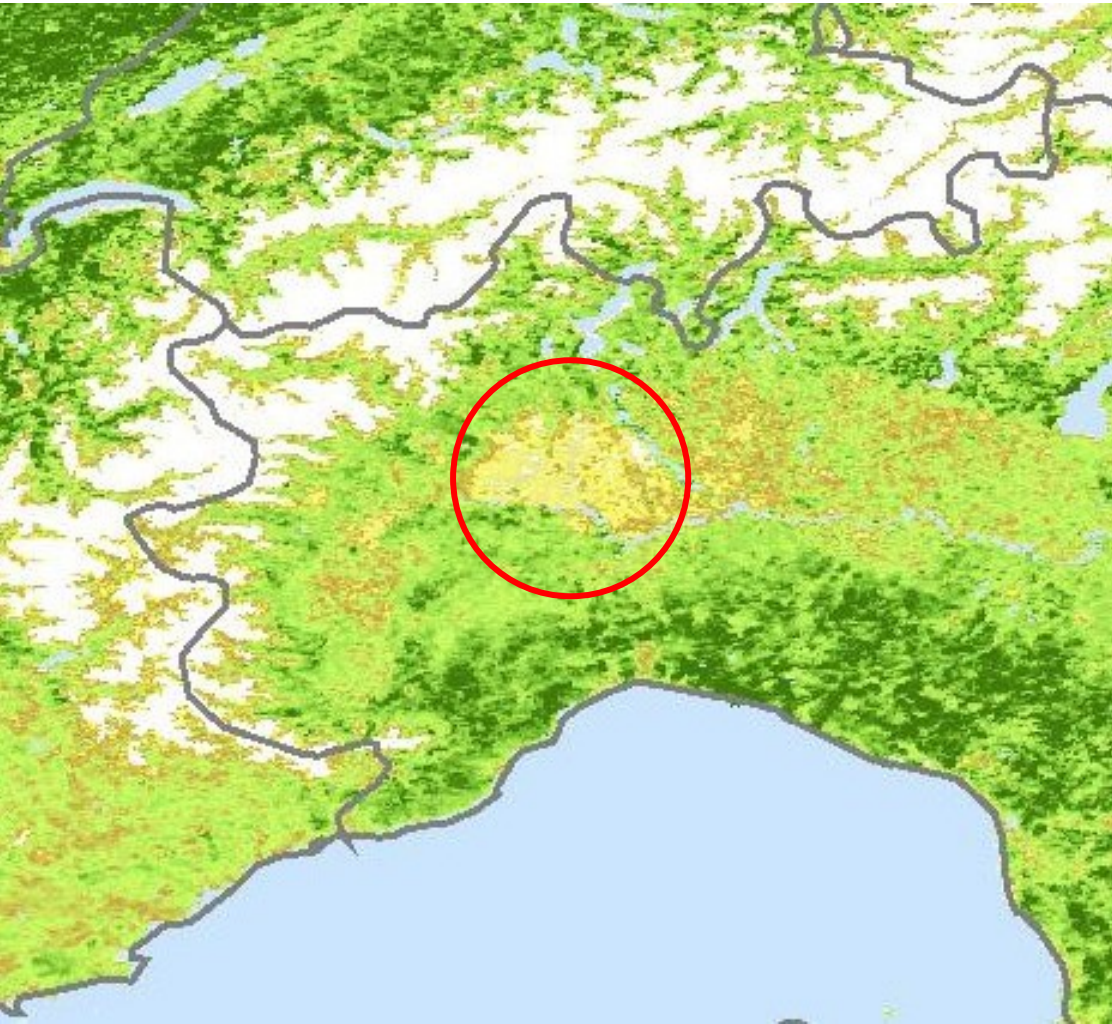
2024-08-25 decade



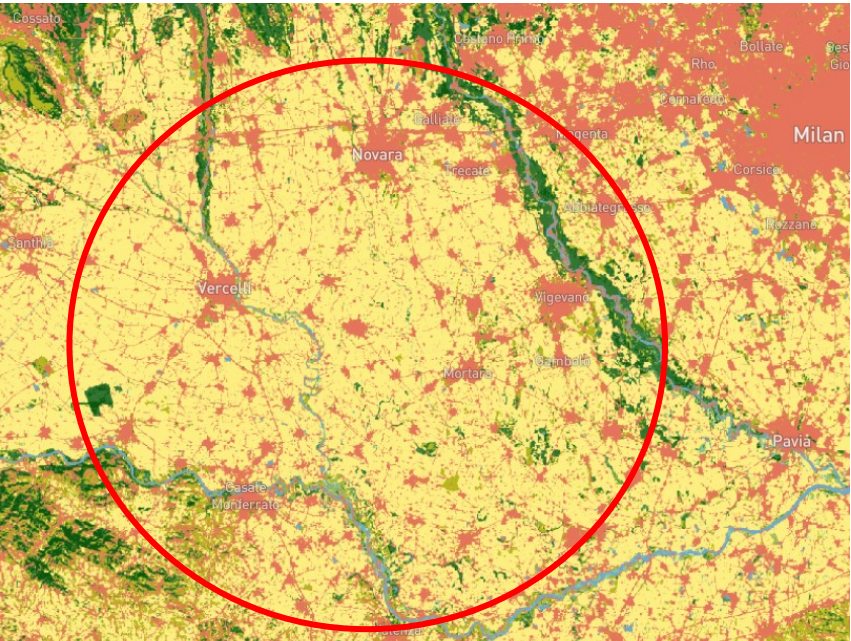


rice agroecosystem in western Lomellina Lombardy Italy

2024-05-25 decade



Global land use and land cover map for 2020



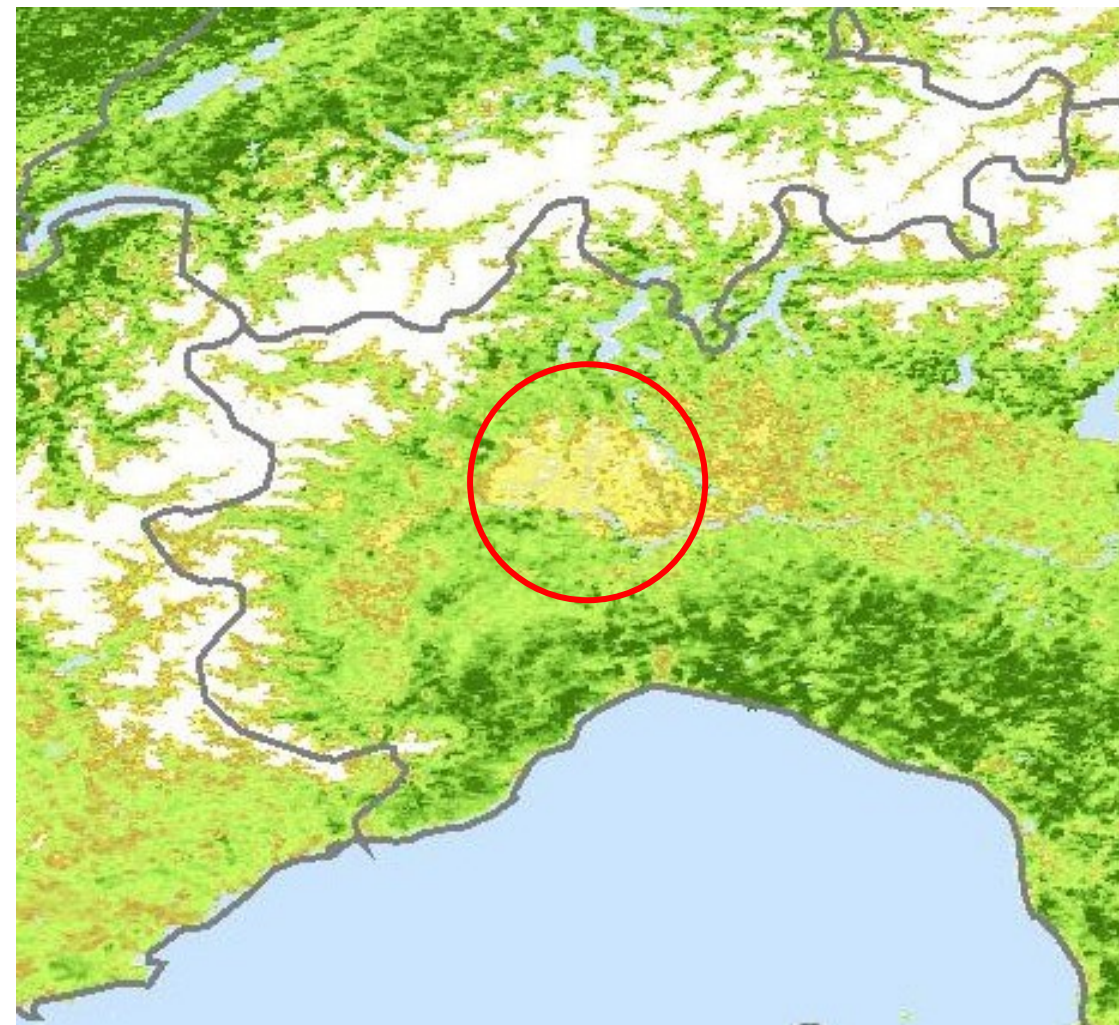
- 2020 Land Cover Map
- Bare Ground
 - Short Vegetation
 - Forest
 - Tall Forest (20m+)
 - Wetland - Short Vegetation
 - Wetland - Forest
 - Water
 - Snow/Ice
 - Cropland
 - Built-up Area

Because of the rice crop calendar, the paddy rice fields have a **"bare soil" behaviour in May** (soil preparation & sowing), contrasting with other neighbouring land-use.

2024-05-25 decade



https://fai-platform.imgix.net/media/piemonte/no/41396_terre-d-acqua-del-novarese.jpg



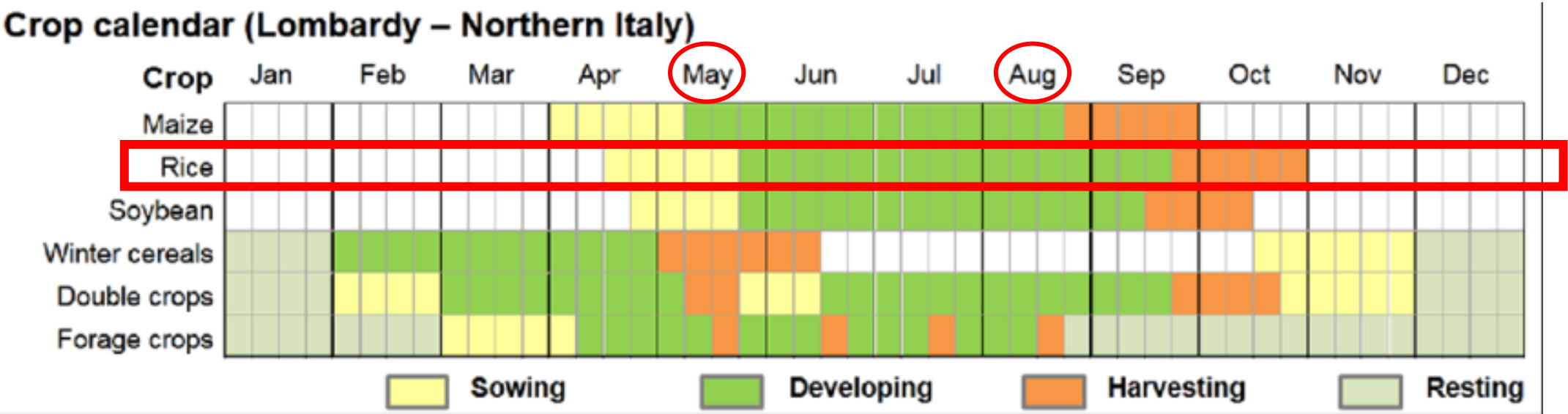
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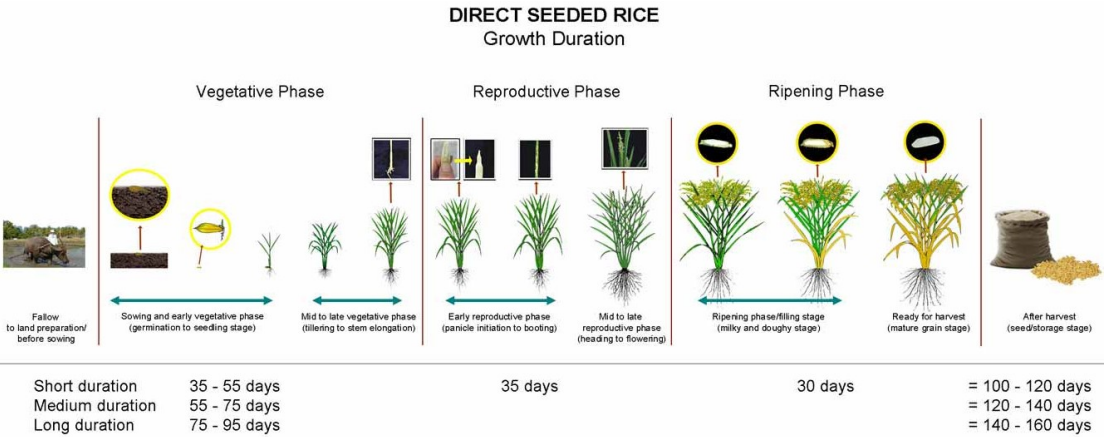
<https://www.risorizzotti.com/>

2024-08-25 decade





<https://www.researchgate.net/profile/Ramin-Azar/publication/305784624/figure/fig2/AS:390960509931521@1470223657491/Typical-crop-calendar-for-major-cultivations-in-Lombardy-Northern-Italy.png>



<http://www.knowledgebank.irri.org/images/stories/crop-calendar-growth-dsr.jpg>

Cf. Vegetation Pulse **2024**

Analysis

Area of “cereal steppe” landscape – extensive agriculture ancestral system (cereal / fallow rotation) combined with cattle breeding – kind of agroforestry, mix with natural Short Vegetation (grassland) + Cork Oak groves pattern – area also named “White Field”.

Alentejo region, Portugal.

ZPE = Zona de Proteção Especial de Castro Verde – Natura 2000 – Biosphere Reserve of UNESCO.

Vegetation is very active at the end-winter early spring period, then it becomes quickly dry at the end-spring early summer period.

2024-02-05 decade

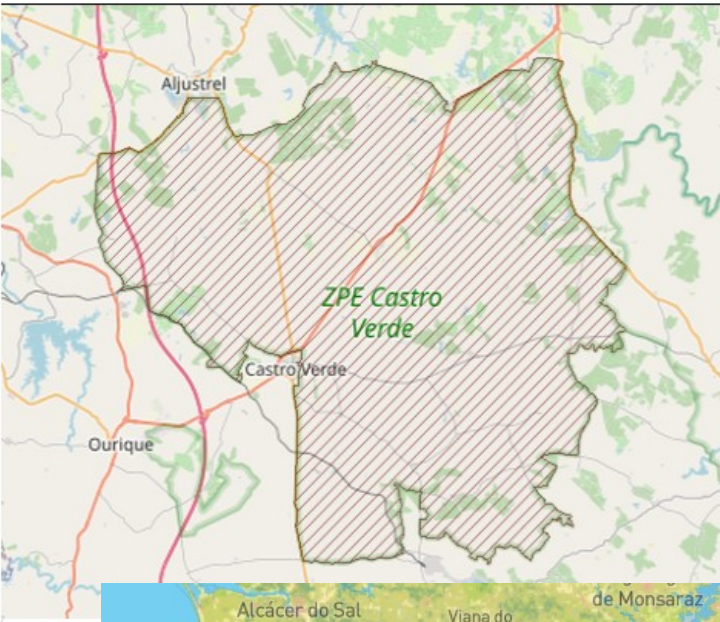


2024-06-05 decade



Castro Verde

Cf. Vegetation Pulse **2024**



Quick facts

Natura 2000 site (code PTZPE0046)

Under **Birds Directive**

Since **August 1999**

Country: **Portugal**

Administrative region: **Alentejo** (PT18)

Surface area: **853 km²** (85343.01 ha)

Marine area: **0%**

Located in **Mediterranean** biogeographical region

It protects **69** species of the Nature Directives

It protects **0** habitat types of the Habitats Directive

Source and more information: [Natura 2000 Standard Data Form](#)

<https://eunis.eea.europa.eu/sites/PTZPE0046>



Global land use and land cover map for 2020



Cf. Vegetation Pulse 2024

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2024-02-05 decade



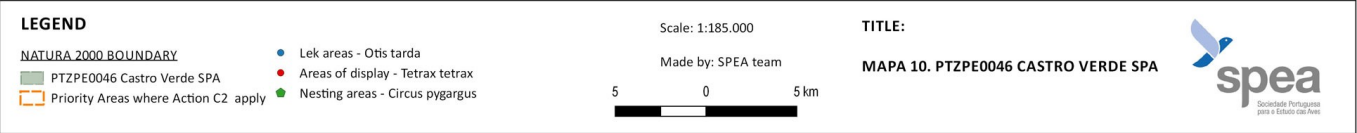
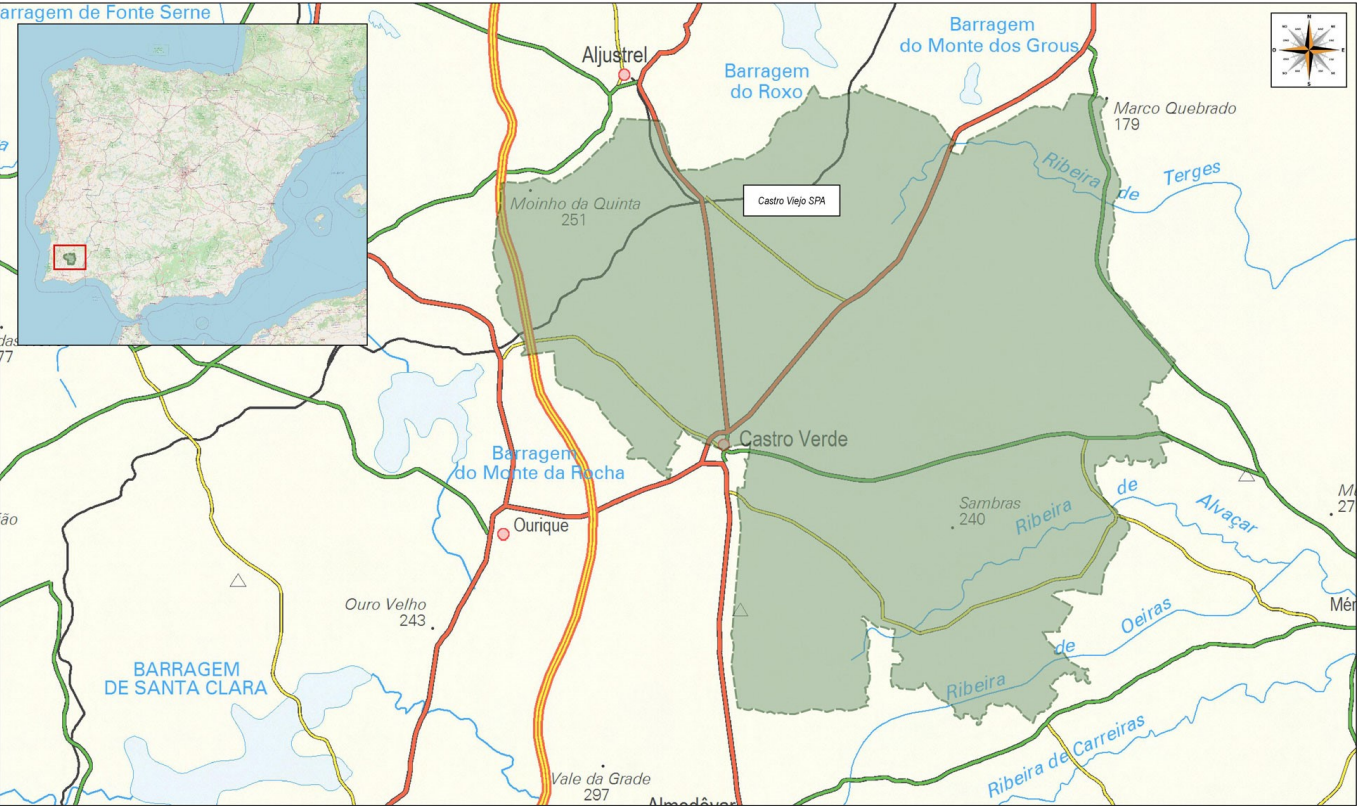
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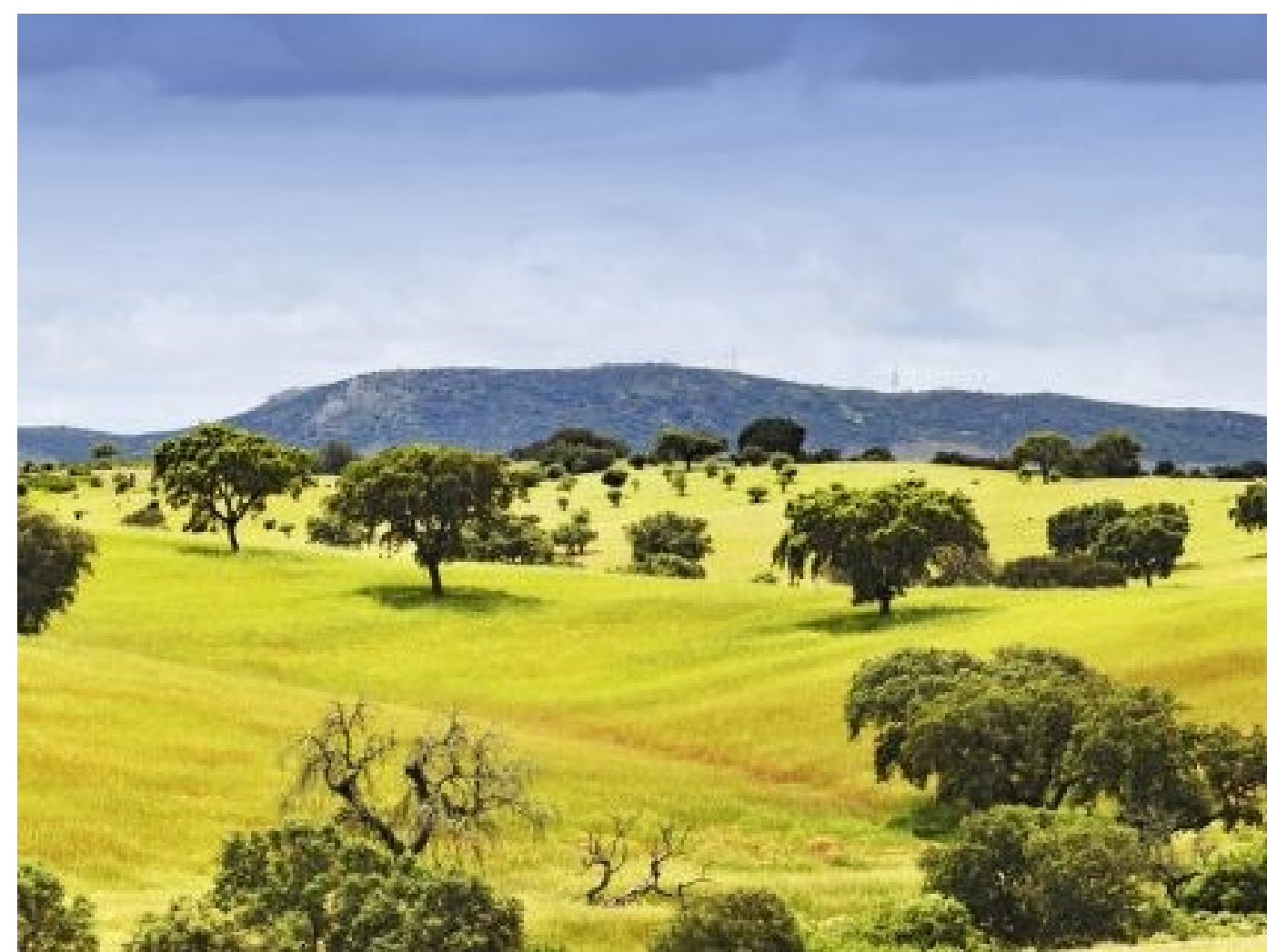
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2024-02-05 decade



Cf. Vegetation Pulse **2024**

Vegetation is very active at the end-winter early spring period.



<https://www.e-konomista.pt/castro-verde-reserva-bioesfera-unesco/>

2024-02-05 decade



Cf. Vegetation Pulse **2024**

Then *it becomes quickly dry at the end-spring early summer period.*

2024-06-05 decade



Thank you for your attention

See you for the next update ...