

MapLoup: a predation monitoring and analysis portal for breeders and local stakeholders

MapLoup is a predation data portal with an online visualisation interface. Created in 2019 in the Auvergne-Rhône-Alpes region by the Auvergne-Rhône-Alpes Pastoral Network and the Union for the Protection of Pastoral and Rural Activities (USAPR), it allows breeders, shepherds and decision-makers to access to real-time data on wolves in a clear, centralised and quick way.

An overview of predation for breeders and decision-makers

MORE INFO

The [MapLoup](#) portal provides a real-time and long-term inventory of predation at various administrative levels, from regional to municipal. The portal includes data during the season, related to the declaration of attacks and requests for compensation, in order to be able to follow the current state of predation, and also provides consolidated results in graphs and tables in order to analyse predation at various scales. First tested in the Belledonne Massif in 2017, the system has been extended over the years to currently cover a large part of the Alpine massif and the Auvergne-Rhône-Alpes region.

This tool helps on the one hand to provide farmers with real-time and reliable data on requests for compensation, which suggest the presence of wolves in their areas. On the other hand, the system provides regional decision makers, administrations, and partners with mapped and quantified information on the current year and analysis on previous years. The whole system facilitates a common analysis of predation and will feed into initiatives and support processes targeting farmers and shepherds.

Farmers, officials and decision-makers, after registering on the MapLoup portal, are directly informed of any new declaration by a text message notification, when a new alert is received by pastoral services, operators of the system.



A map and an atlas

Access to MapLoup data is free for all Internet users. The MapLoup portal offers two data visualisation tools, in order to capture both the immediate situation and long-lasting trends. In both cases, chronological timelines are offered to visualise changes over time.

MAP: the dynamic map of the points corresponding to suspected wolf attacks provided by the pastoral services of Savoie, Isère and Drôme. This tool has been improved over time and now offers a more fluid interface and also generates, for those actors who have requested it, notification (by text message or e-mail) of any attack within a distance of approximately 10 km from the point of attack.

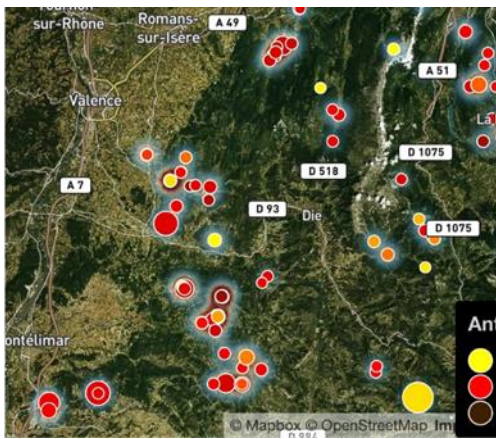
ATLAS: the map that provides an interactive and long-term overview of predation at different administrative scales, from the municipal to regional level.



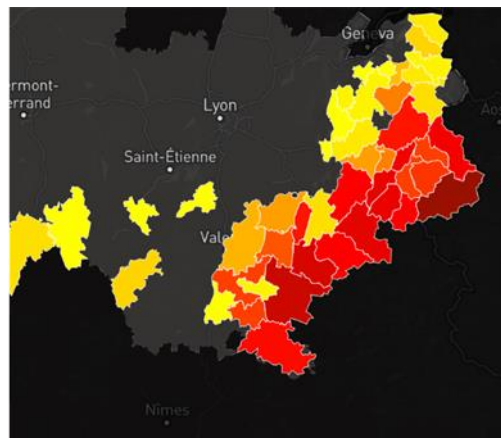
Innovative aspect

MapLoup puts regional predation data at the service not only of policy makers but also of farmers and shepherds. Its real-time notification system makes it an efficient tool for preventing livestock attacks.

MAP



ATLAS



Reliable and real-time data

The consolidated data are based on:

- For the atlas, State services (Géoloup, which lists the attacks that have led to compensation. These data are provided anonymously by the Regional Directorate for the Environment, Development and Housing (DREAL) of the Auvergne-Rhône-Alpes region).
- For the MAP section, data collected during the process of attack reporting.

The system therefore allows monitoring both the wolf's permanent presence in the so-called permanent presence zones and its occasional occurrence.

Stakeholders involved in the project

The development and evolution of this portal are discussed within a steering committee composed of the AuRA Pastoral Network and its technical and financial partners, the Departmental Directorates of Territories, the Regional Directorate of Food, Agriculture and Forestry of the Auvergne-Rhône-Alpes region (DRAAF), the French Office for Biodiversity (OFB) and the Research Institute for Agriculture, Food and the Environment (INRAe).

Given the positive feedback from farmers, shepherds, local decision makers and public authorities, it is considered, in collaboration with the service providers INRAe and USAPR, to consolidate the system and extend it in the short term to the counties of Haute-Savoie and Ardèche as well as to part of the Provence-Alpes-Côte-d'Azur region. The aim is to propose a common set of data for all these scales.

This project was developed in partnership with the Union pour la Sauvegarde des Activités Pastorales et Rurales (USAPR) and with the support of data from the Regional Directorate for the Environment, Development and Housing (DREAL) Auvergne-Rhône-Alpes.

This project received financial support from the Auvergne-Rhône-Alpes Region. INRAe Grenoble is in charge of the project's software development.

More information

For more information, please visit [MapLoup's](https://www.maploup.org) website!

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