PERIVALLON TOOL CARDS

The PERIVALLON project aims to deliver an improved intelligence picture of organised environmental crime and develop tools for **detection**, **prevention**, and **impact assessment**. It uses geospatial intelligence, remote sensing, online monitoring, and predictive analytics to enhance investigation processes and methodologies.

These cards present **13 tools**, each a result of the development and validation efforts within the PERIVALLON project.

Multilingual text analysis tool

Exploitation Type Scientific

Partner in Charge Information Technologies Institute

Description

Extracts named entities and chemical mentions from large multilingual text collections, sourced from open data and online marketplaces, using specialized deep-learning models to automate indexing and search.

At a glance

Rapid deep-learning–powered extraction of entities and concepts from massive multilingual text corpora.

Who is this tool developed for?

- Environmental Regulatory Authorities
- Academic & Research Institutions
- Law Enforcement & Intelligence Units
- Environmental NGOs & Policy Analysts

Use Case

Automated processing of vast text repositories to save time and enable entity-based indexing and retrieval for environmental-crime analysis.

Benefits & Added Value

- Increases accuracy and speed of detecting and predicting environmental crime activities.
- Reduces manual effort in processing large text datasets.
- Enables effective enforcement of environmental regulations and the EU Environmental Crime Directive.

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