

PERIVALLON Introduction to PERIVALLON project

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Eva Muñoz, ETRA

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ORGANISED ENVIRONMENTAL CRIME?

Environmental Crime: Activities that breach environmental legislation and cause significant harm or risk to the environment, human, health, or both (*Europol threat assessment, 2022*)

Organised Environmental Crime: A serious crime committed by organized crime groups that often has a transnational dimension that requires the cooperation of the EU institutions and their Member States with Third countries and international organisations (*EFFACE, 2015*).



Increased levels of pollution

Degradation of wildlife

Disturbance of the ecological balance

Contamination of the food chain

Spread of diseases

Endangered natural species and human beings

Faster depletion of natural resources

High financial reward for criminal networks

Corruption

Document fraud

Terrorism financing

CURRENT CHALLENGES

- **Large range of items** and substances illegally transported, intentionally dumped, and/or traded requires a large spectrum of technologies for detection
- Intervention requires the **remote collection** of evidences of **forensic value**
- **Correlation** of information and evidences obtained from heterogenous sources
- **Cross-border** nature and cooperation between **different authorities**
- **Disparities in legal and judicial administration** of different forms of crimes and their sanctioning
- **Lack of data** and comparable EU statistics regarding organised environmental crime

PERIVALLON

Protecting the **EuRo**pean terr**I**tory from organised en**VironmentAl** crime through
inte**LL**igent threat detecti**ON** tools



24 Partners



12 Countries



Total Budget
€5,708,322.50



EU Contribution
€4,670,653.75



36 Months
Start date:
1/12/2022

Topic: HORIZON-CL3-2021-FCT-01-09: Fight against organised environmental crime - HORIZON IA

PERIVALLON Consortium

Interdisciplinary consortium involving 24 partners from 12 EU and non-EU countries

5 end-users (LEAs and Border Guards)



3 Authorities National/Regional



6 Academic / Research partners



1 Industrial group



1 EU Agency



1 Foundation



7 SMEs



Ambition

To develop an environmental crime
detection and investigation platform
at the forefront of technological
innovation

To improve capacity building and
international cooperation of security
practitioners through enhanced
investigation processes





Main objectives

01: Provide a rich suite of advanced AI-based geospatial intelligence and remote sensing solutions to **improve the detection and investigation capabilities of European Police, Border Guard, National, and Regional Authorities** to tackle organised environmental crime in a more efficient and effective way

02: Develop improved AI-based extraction, analysis, and correlation technologies to **identify illegal environmental crime activities by detecting irregularities in (online) data** generated across the processing, shipment, and trafficking ecosystem for waste management and refrigerant trading

03: Develop a trustworthy, transparent, and easy-to-use environmental crime monitoring platform that collects court-proof crime evidence and provides decision support by fusing heterogeneous data for **identifying patterns, assessing the likelihood of criminal activities, and forecasting trends**

04: Enable **improved cooperation between European police authorities, border guards and other national authorities and international actors** through secure and transparent information exchange

05: Promote continuous evaluation, improvement, and training over the developed tools and solutions in order to **enhance uptake of new technologies for existing and emerging capability gaps**

06: Improve the intelligence picture of organised environmental crime across Europe, while also supporting the shaping and tuning of policy regulation

07: **Exploit PERIVALLON's main results** by exploring their wider use, sustainability, and business feasibility, collaborate with relevant projects and initiatives to enforce advanced research and support further results uptake opportunities, and communicate the project results to raise citizen awareness.



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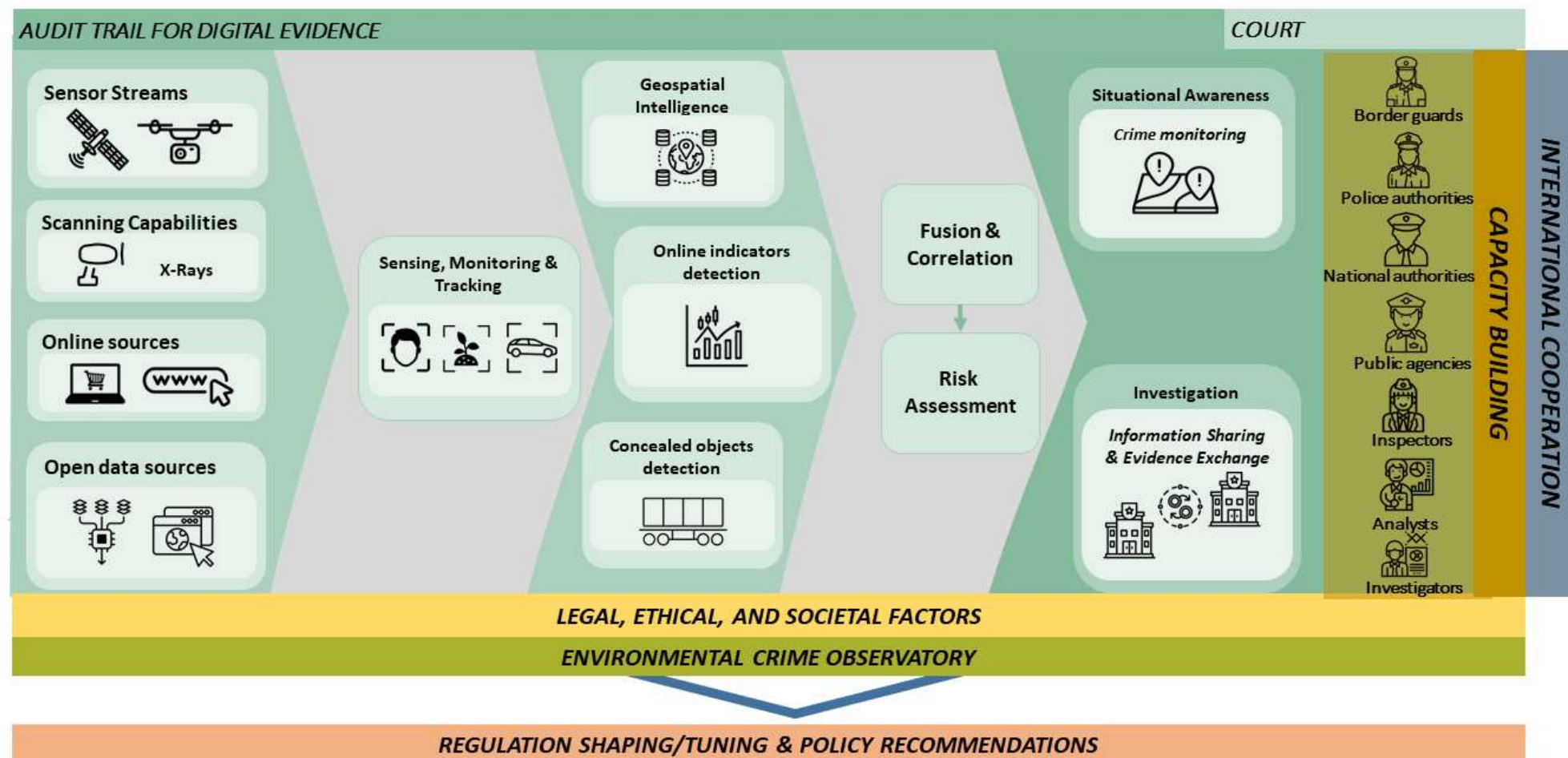
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PERIVALLON concept



PERIVALLON 

Thank you!

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Eva Muñoz, ETRA – Project Coordinator



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