ePOOLICE

EARLY PURSUIT AGAINST ORGANIZED CRIME USING ENVIRONMENTAL SCANNING, THE LAW AND INTELLIGENCE SYSTEMS

Open Source Intelligence Dissemination Conference
Rome
8th July 2015

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Project Overview
End-Users involvement
Technical overview

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early Pursuit against Organized crime using envirOnmental scanning, the Law and IntelligenCE systems

SECURITY RESEARCH CALL 5 (FP7-SEC-2012-1)

Activity: 10.6 Security and society

Area: 10.6.3 Foresight, scenarios and security as an evolving concept

Topic SEC-2012.6.3-1 Developing an efficient and effective environmental scanning system as part of the early warning system for the detection of emerging organized crime threats (Capability Project)

www.epoolice.eu

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ePOOLICE Objectives

To conduct research into technologically, actor-driven systems and tools which support environmental scanning to enable the rapid identification and qualification of new Organized Crime threats.
(By systematically monitoring the external environment for the detection of “weak signals” of upcoming opportunities and threats)

To scan the environment to feed new and emerging threats into the serious and organized crime threat assessment processes

To identify a combination of technological resources and human actors that serves to improve the process of detecting and selecting new OC threats that warrant EU level analysis and EU-wide responses.

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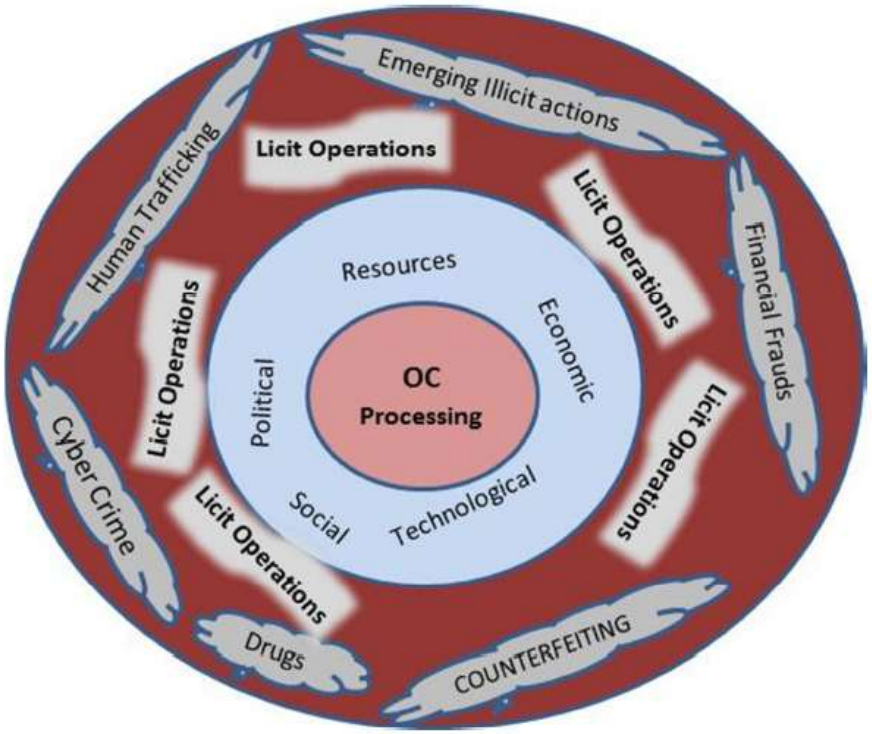
Improving …

… the process of detecting and selecting new Organized Crime threats at EU level,

… the effectiveness of the end-users (LEAs, criminological institutes and private businesses),

… the strategic decision makers to counterbalance detected upcoming threats before they materialize,

… the understanding of the technologies and trends, leading to the strategic planning into security issues of all stakeholders.



To warrant EU level analysis and EU-wide responses.

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Environmental Scanning

Is the art of systematically exploring and interpreting the external environment to better understand the nature of trends and drivers of change and their likely future impact on ***Organised Crime***

Adapted from Maree Conway, 2009

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Where environmental scanning fits…

Environmental Scanning
What can we see today?

→ **Seeking Information**

Strategic Thinking
What might happen in the future?

→ **Generating Options**

Strategic Decision Making
Where will go in the future?

→ **Making Decisions**

Strategic Planning
What will we do today?

→ **Taking Action**

Adapted from Maree Conway, 2009

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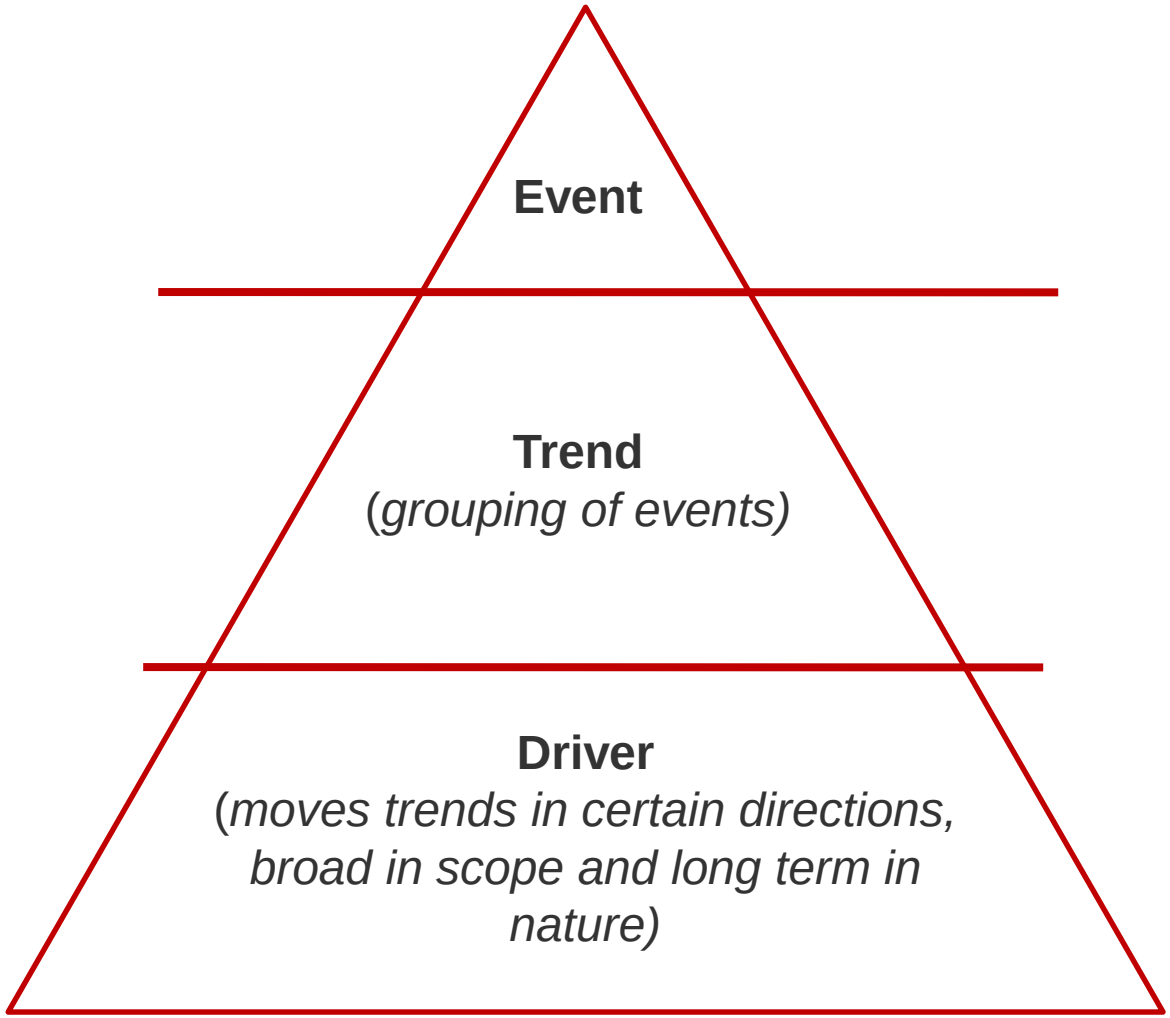
Events - Trends - Drivers



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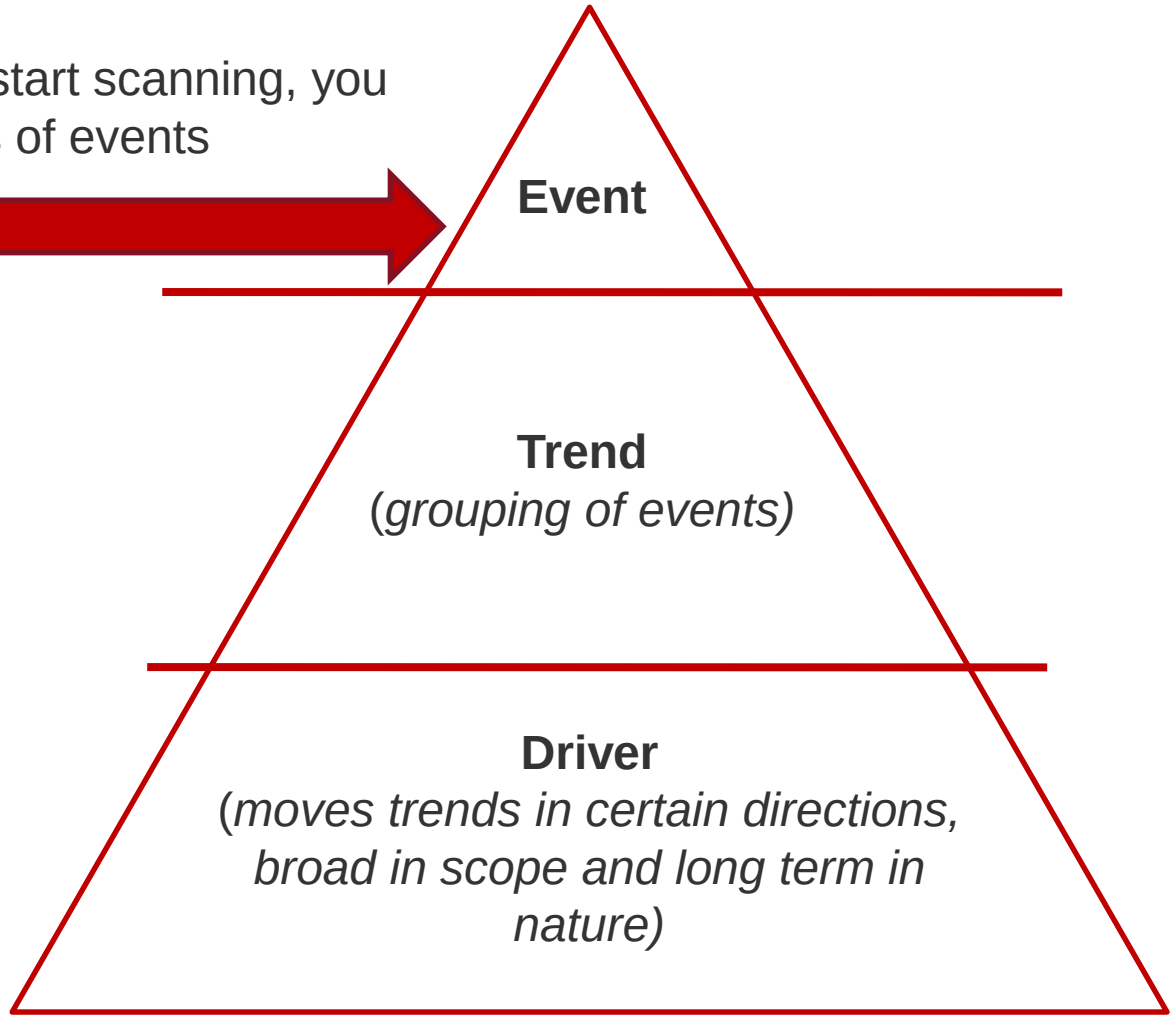
Events

When you start scanning, you will find lots of events



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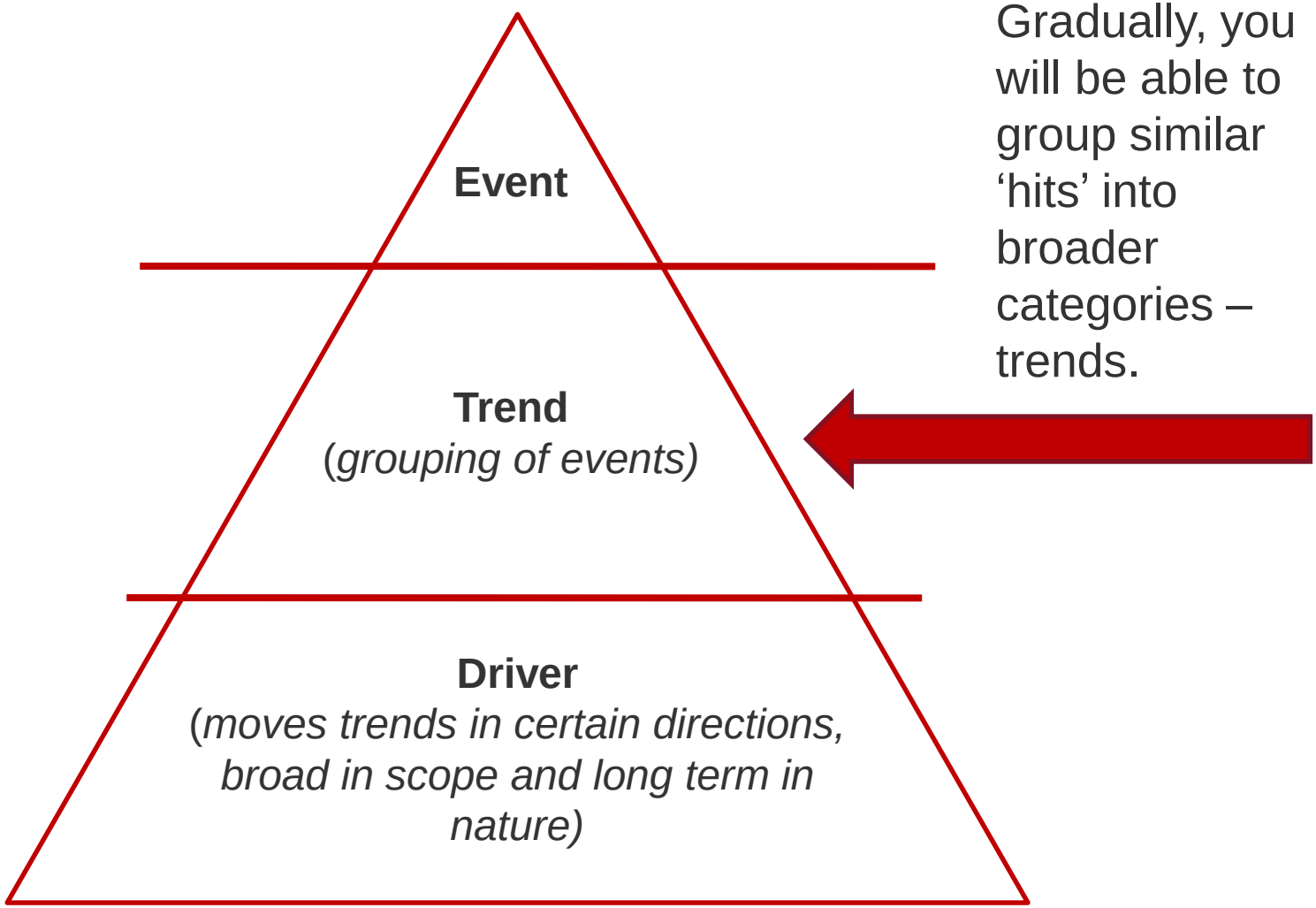
Trends



Gradually, you will be able to group similar 'hits' into broader categories – trends.

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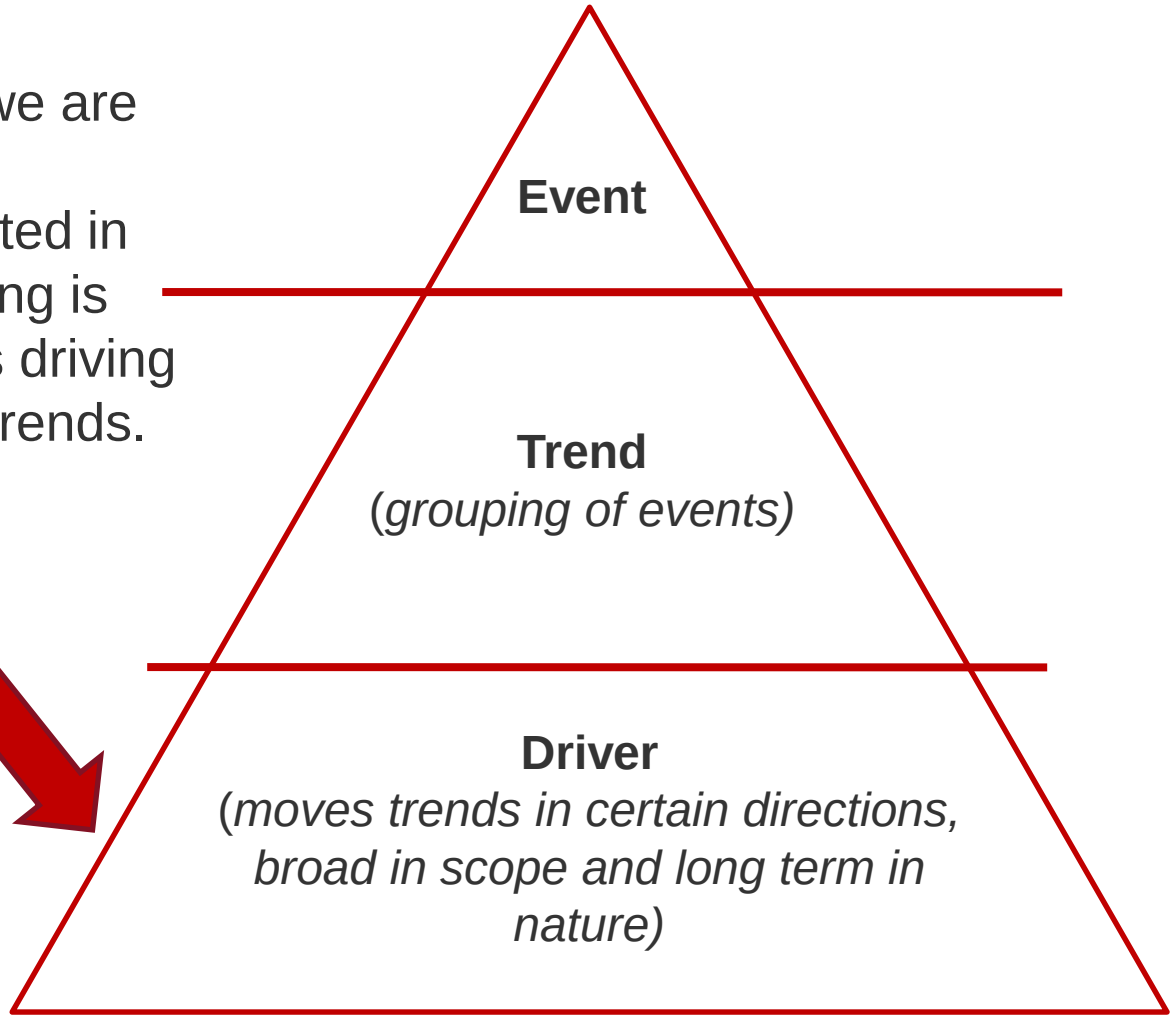
Drivers

What we are really interested in exploring is what is driving these trends.



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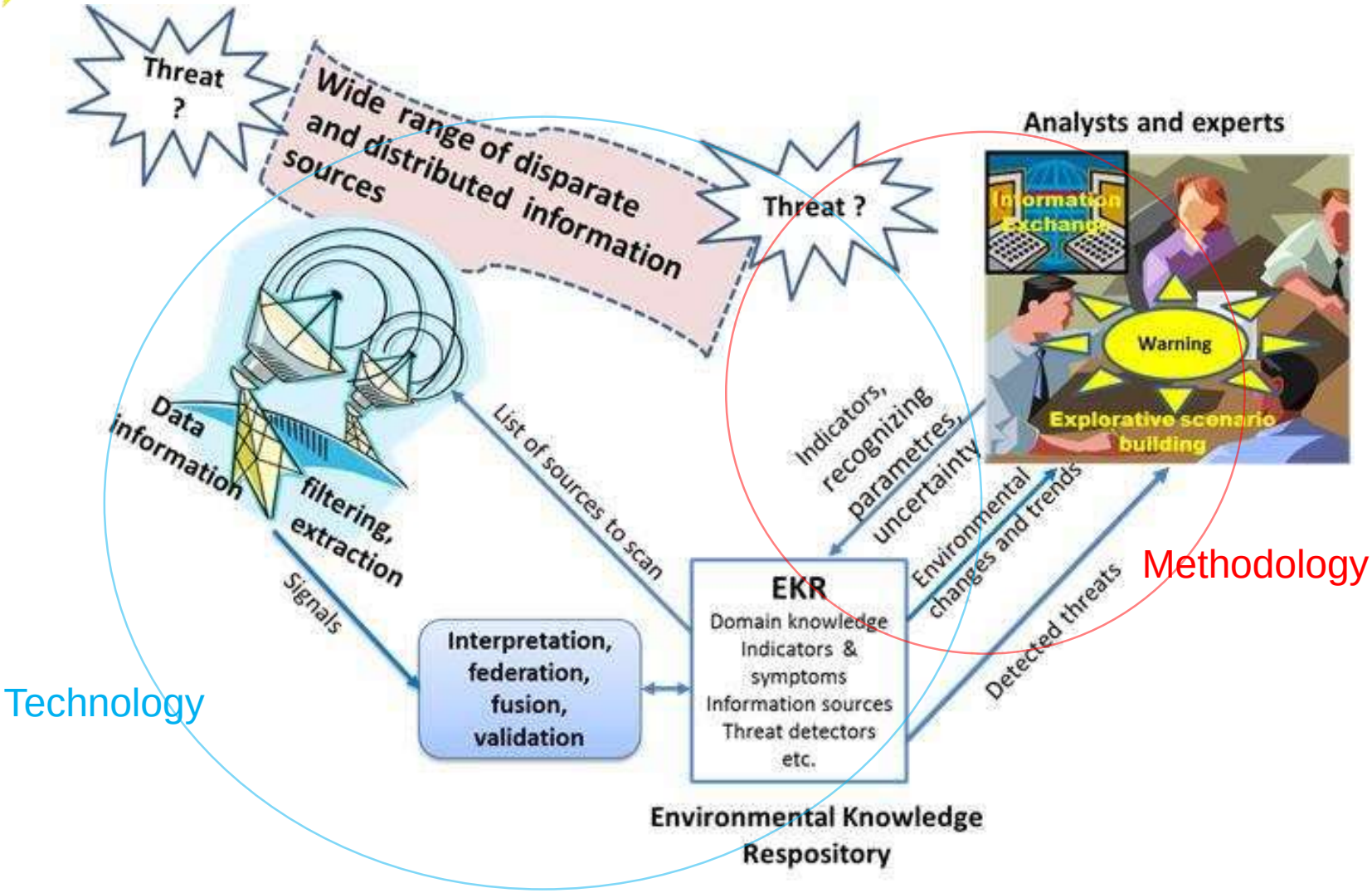
ePOOLICE proposal



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Consortium

Coordinator

Isdefe

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AALBORG UNIVERSITY DENMARK

More partners

cea

THALES

Fraunhofer FKIE

ugr Universidad de Granada

Sheffield Hallam University

InthemiS

sas THE POWER TO KNOW.

D4tec Cognitive Systems

EUROPOL

GUARDIA CIVIL

WEST YORKSHIRE POLICE

unicri United Nations Interregional Crime and Justice Research Institute

Fachhochschule für öffentliche Verwaltung und Rechtspflege in Bayern

Copenhagen Institute for Futures Studies
Instituttet for Fremtidsforskning

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SEVENTH FRAMEWORK PROGRAMME

End Users partners

EUROPOL

WEST YORKSHIRE POLICE

GUARDIA CIVIL

United Nations Interregional Crime and Justice Research Institute

Fachhochschule für öffentliche Verwaltung und Rechtspflege in Bayern

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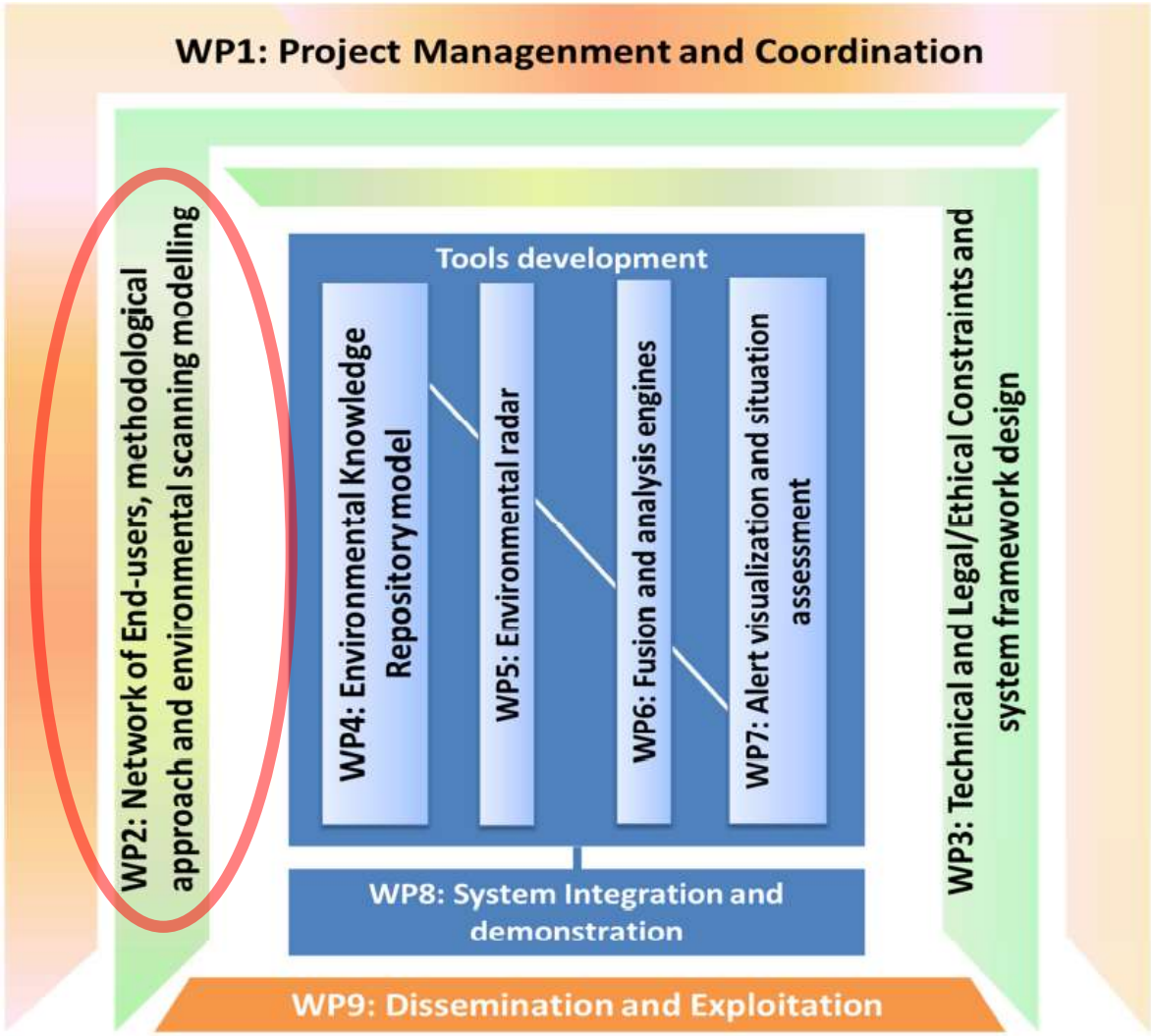
ePOOLICE end-users involvement



Work Package Structure

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ePOOLICE Ethics Advisory Board (EAB)

Group of external, independent ethical experts to advise ePOOLICE on ethics issues

ePOOLICE Security Advisory Board (SAB)

Being ePOOLICE classified as EU-RESTRICTED this board assesses and looks after sensitivity issues

ePOOLICE End user and Stakeholder Advisory Board

Central board for independent advice and assessment of the project
Reinforces the involvement of the End-Users and other stakeholders

ePOOLICE Dissemination Board

In charge of the review, follow-up and coordination of ePOOLICE dissemination activities

ePOOLICE Boards

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ePOOLICE End user and Stakeholder Advisory Board

INTERPOL

National Centre of Investigation and Crime prevention (NEC) of Danish Police

Spanish Centre of Intelligence against Terrorism and Organised Crime (CITCO).

French Customs

Unit of Information Department of Spanish Guardia Civil

Estonian police

Portuguese Judicial Police - Counter Terrorism Information Unit

South Yorkshire Police

Danish standards

U.K. North West Regional Organised Crime Unit

Spanish National Police – Central Unit for Criminal Intelligence (UCIC)

Center for Strategic Innovation of Bavarian State Criminal Police Office

Home Office U. K.

Italian Carabinieri

ePOOLICE EUSAB is open to all European security stakeholders

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Aims of the project

TheePOOLICE project aims at providing a “proof of concept” regarding the development of

The ePOOLICE system

an efficient and effective environmental scanning system

as part of

Application context considered

the early warning system for
the detection of emerging organized crime threats

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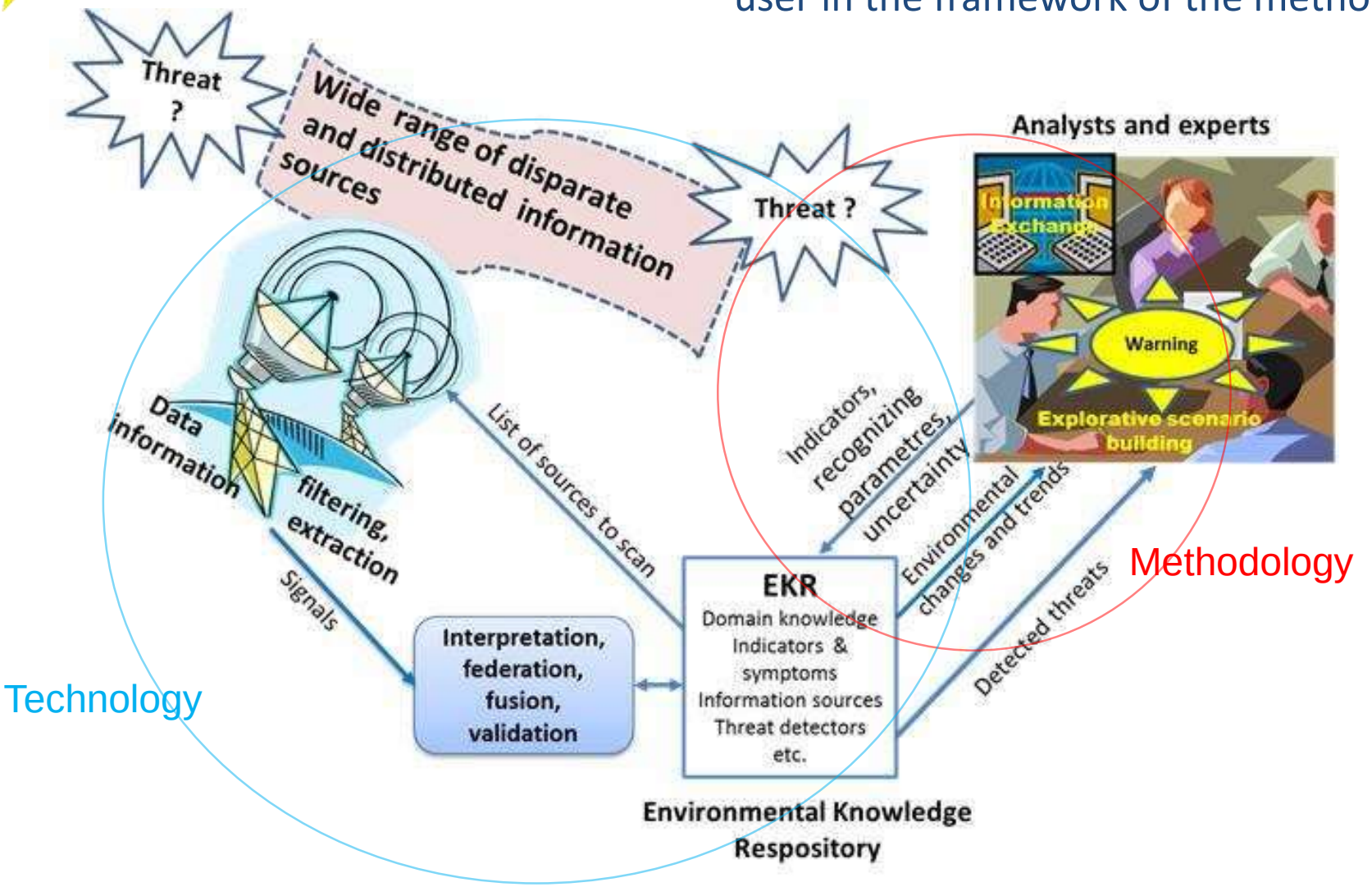
The user in the loop

The combination of the system and the user in the framework of the methodology



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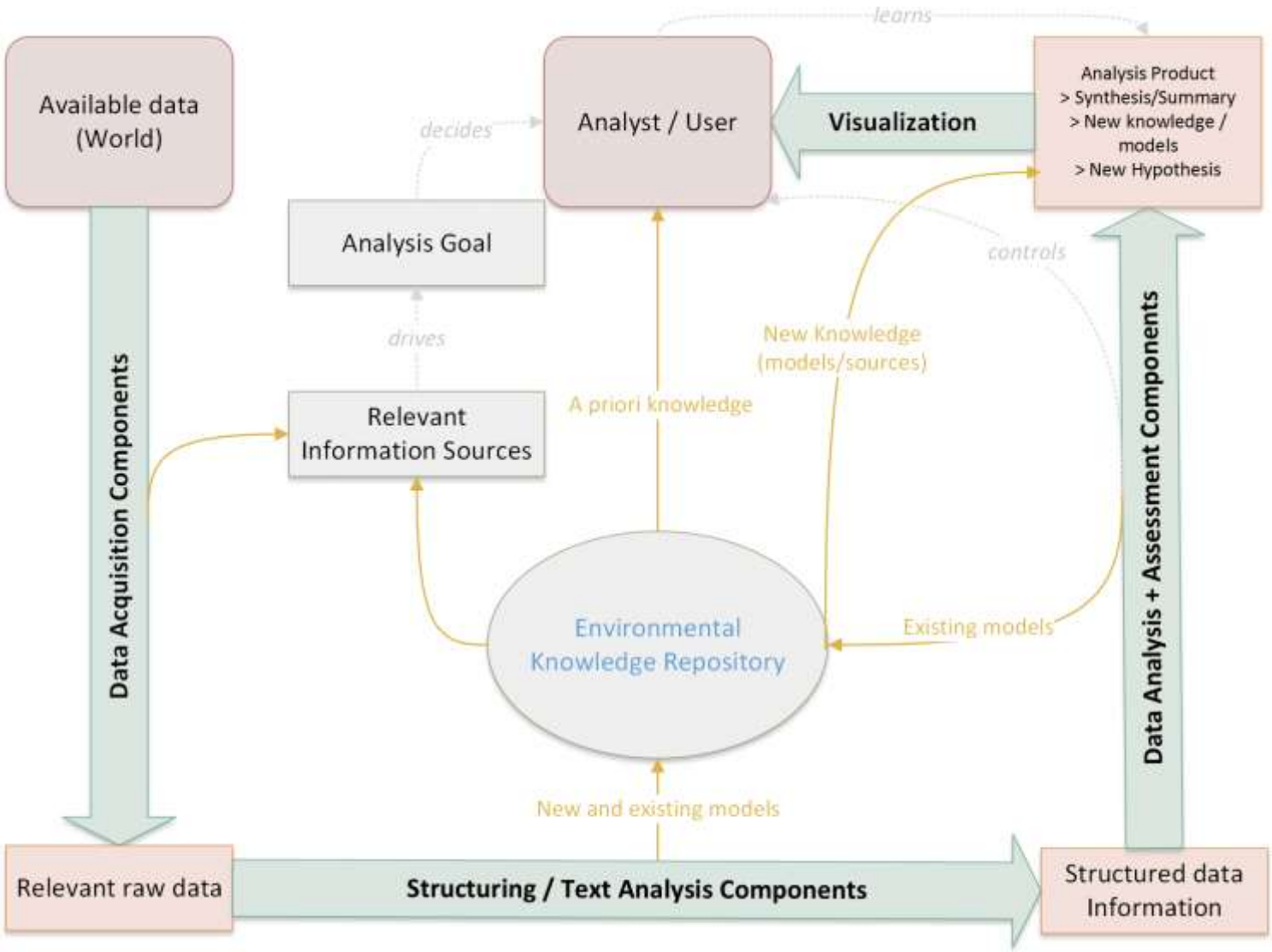
Technical components and process flow



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Privacy protection

Though ePOOLICE does not aim to collect personal data, it is working with open sources.

Therefore, privacy protection, as relevant for application of ePOOLICE systems, has been taken into account by:

- implementing some protective measures, and
- providing a report on legal recommendations.

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Methodology supported

"The user in the loop"

The aim of the methodology work, is to identify the best way to work with the ePOOLICE system in combination with the users (strategic analysts and experts).

Thus the users (with user-system interaction) are considered part of the strategic early warning system applying the ePOOLICE system for environmental scanning.

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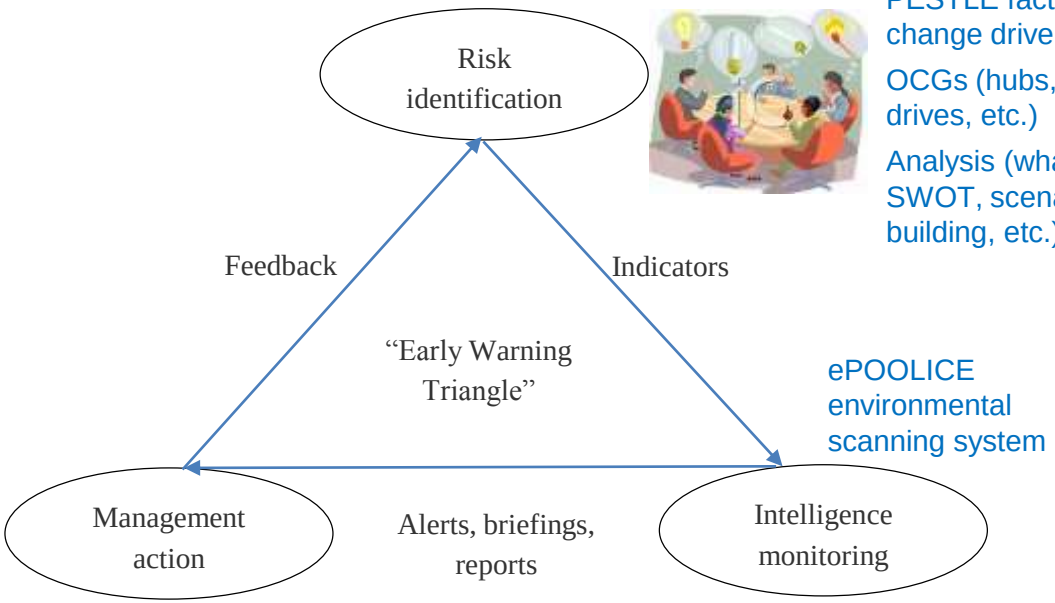
Methodology supported

Simplified view on the methodology

Inspired by:
Benjamin Gilad: *Early Warning—Using Competitive Intelligence to Anticipate Market Shifts, Control Risk, and Create Powerful Strategies*, AMACOM (September 12, 2003).

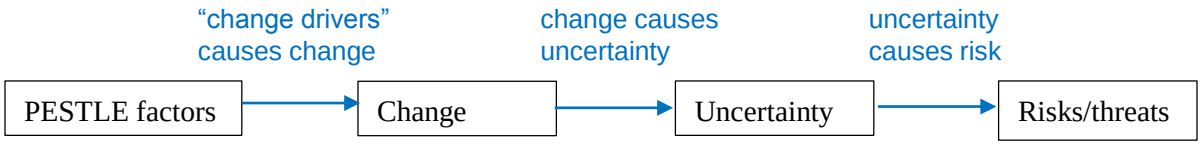


PESTLE factors/, change drivers

OCGs (hubs, drives, etc.)

Analysis (what-if, SWOT, scenario building, etc.)

ePOOLICE environmental scanning system



Political, Economic, Social, Technological, Legal, and Environmental factors

"change drivers": trends, events, and factors driving the development of OC

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Technological system outcome

The technological system outcome of the ePOOLICE project comprises:

- The **ePOOLICE prototype system**, comprising a number of integrated subsystems (tools) utilizing the common knowledgebase EKR (Environmental Knowledge Repository) maintained at AAU (Aalborg University, Denmark) during the project.

- A **demonstrator** for demonstrating the ePOOLICE system functionality in the use-cases: human trafficking and cocaine trafficking.

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SEVENTH FRAMEWORK PROGRAMME

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