



INHERIT—INHibitors, Explosives and pRecursor InvesTigation

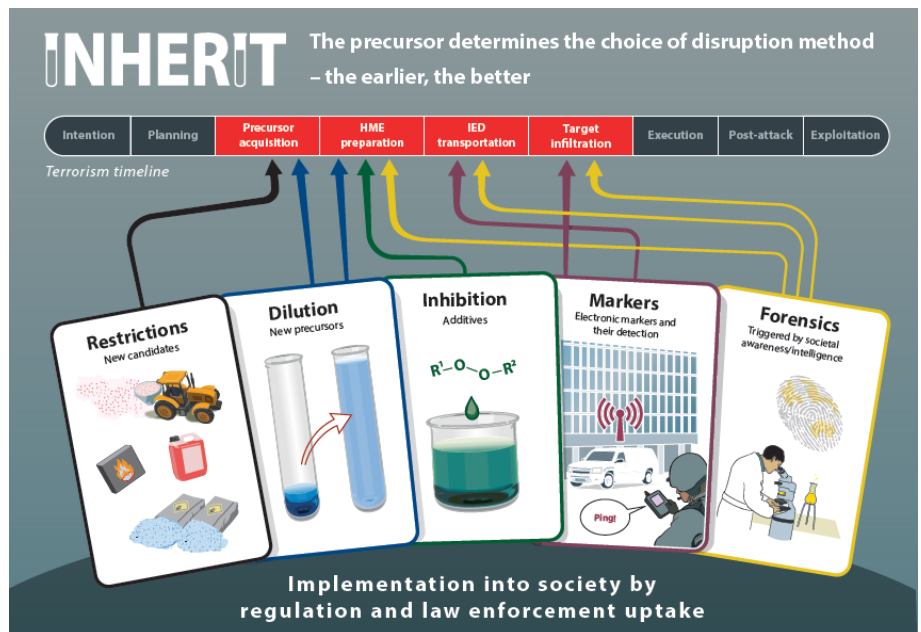
New tools to prevent home-made bombs

The threat of homemade explosives is high, as demonstrated by multiple terrorist attacks throughout the EU. While restricting access and detecting precursor materials is top priority, there is no universal approach to keep a terrorist from using them.

About INHERIT project

The terrorism timeline consists of multiple stages. Each stage possesses vulnerabilities that can be used to disrupt a planned attack. Due to the large diversity in precursors, there is no universal approach yet that can be taken to keep a terrorist from using them to make explosives.

INHERIT proposes to develop a multi-disciplined approach to intervene across multiple stages of the terrorism timeline. INHERIT has assembled a multi-faceted team with experience of all aspects of



four important steps in this timeline. With a focus on explosive precursor chemicals, the team will work to develop technologies directed towards thwarting the ability of terrorists to exploit these materials for production of explosives. Methodologies to render chemicals inert, more readily detectable and capable of yielding greater forensic value will all be pursued.

Collaboration between the diverse teams developing these interventions will ensure a coordinated ho-

listic approach across all threat materials identified. This holistic approach will also be applicable in the struggle against emerging and future Home Made Explosive (HME) threats.

The knowledge and insight resulting from INHERIT testing and analysis will be fed to targeted authorities, legislators, and organisations through a dissemination process which will include meetings, workshops and conferences conducted at appropriate security levels.

INHERIT Workshops

The INHERIT Consortium organizes the project's 2-days Workshop which will take place in Västerhaninge Sweden between 7-9 June 2022.

During the first day of the Workshop on June 8, all the historical roadmap which led to the INHERIT project will be presented to the audience.

More specifically, the historical effort within the framework of HOMER FP7 project will be presented by PSNI; the efforts regarding PREVAIL FP7 project by TECH; the efforts regarding EXPEDIA by FRAUNHOFER and last but not least regarding EXPEDIA H2020 project by FOI.

On the second day of the workshop, Group Discussions will be conducted under the moderation of PSNI relevantly to INHERIT research framework.

INHERIT 1st Year Progress

In the course of the first year of INHERIT project work has been carried out that sets the foundations for the research and development to be carried out. The sensitivity of the subject addressed by INHERIT dictates a careful data management plan to ensure that all actions that produce, generate and store data comply with the EU legal and ethical frame.

An extensive list of deliverables imposed by the EU to secure that INHERIT conforms with the ethical guidelines of EU have been reported and submitted.

INHERIT Publication

INHERIT already proceeded in its first publication on the scientific magazine C²BRNE. Within the pages of this web-magazine countering numerous of CBRNE Experts around the globe, INHERIT Vision, Scope and Objectives where extensively presented.

INHERIT Project in the European Academy of Forensic Science Conference (EAFS 2022)

The INHERIT Project participated at the the European Academy of Forensic Science Conference which was held between 30May—1st June in Stockholm, Sweden.

The INHERIT coordinator FOI delivered a keynote presentation at EAFS 2022 on June 2 attracting the interest of the event participants and especially the INHERIT Stakeholders.

EAFS 2022 was organised by the National Forensic Centre (NFC), a department within the Swedish Police Authority, under patronage of the European Network of Forensic Science Institutes (ENFSI).

The objective of this conference was to explore developments in the forensic science community reflecting the needs of law enforcement agencies combating organised crime and terrorism as well as new areas of criminal activities.

The conference themes were technology transformation, digital transformation of the forensic process, forensic data science, forensic human factors and forensic social responsibility.

The Conference was attended by European forensic practitioners, scientists and stakeholders related to the forensic community as well as EU agencies, academia, industrial partners and international organisations .



Article in L'Actualité Chimique

INHERIT Project Coordinator FOI in collaboration with the project partners TNO and CEA published an article in L'Actualité Chimique in April 2022 issue, under the title: "Explosives Detection: It's all connected".



This article connects key explosives detection challenges to terrorist scenarios and provides insight into future opportunities for explosives detection systems and technology developments as part of a comprehensive counterterrorism approach.

Some trends and highlights are presented, emphasizing European multidisciplinary research collaborations.

<https://new.societechimiquedefrance.fr/numero/la-detection-dexplosifs-tout-est-lie-p17-n472/>



CBRNE 5th International Conference

As a result of the L'Actualité Chimique article, a keynote presentation was delivered by the project partner TNO at the CBRNE conference which was held between 3-6 May 2022 in Lille, France.

The four main themes of the Conference were:

- Detection - Identification
- Protection— Decontamination
- Medical Countermeasures
- Risks & Crisis Management



<https://h2020-inherit.eu>



website



LinkedIn



Twitter

INHERIT

