



ENCIRCLE

European Cbrn Innovation for the market CLustEr

D4.2 ENCIRCLE Cluster Discussions Y2

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Executive Summary

The Deliverable D4-2 presented herein provides a summary of the discussions, that can be publically disseminated on the ENCIRCLE Project covering the period October 2017 to September 2018

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1 Introduction

The main goal of the ENCIRCLE project is to strengthen the European industry to help create the tools and strategies needed to consolidate the EU CBRN communities of suppliers and practitioners in order to strengthen the field of CBRN safety, security and defence in the European Union.

In order to achieve this goal the innovative approach based on the five objectives aimed at prompting the innovation and business development, and filling market gaps in the project timeframe was proposed. The project objectives include:

- Create an open and neutral EU CBRN cluster,
- Provide a sustainable and flexible vision and roadmap for the development of the European CBRN market and innovations,
- Provide integration with platforms (systems, tools, services, products) by proposing standardized interfaces and future EU standards to integrate CBRN technologies and innovations developed from the Part b projects,
- Support CBRN safety, security and defence commercial and market services,
- Improve and facilitate European CBRN dissemination and exploitation.

The purpose of this document is to summarise the discussion to date on the ENCIRCLE Project covering the period October 2017 to September 2018

2 ENCIRCLE Discussions

The ENCIRCLE project has been running since the 10th March 2017 and the following sections summarise the discussion that have occurred between the period October 2017 to September 2018.

2.1 INNOVATION PLAN AND DISSEMINATION

2.1.1 2017 Part B Call Topics

Part of the Encircle project's objective is to improve EU resilience to CBRN threats and attacks. As such details of needs and gaps from previous CBRN related projects were gathered, assessed and collated to create a current view of what the CBRN community requires from industry to progress and improve response in the CBRN sphere. This in turn will foster innovation and lead to the creation of technologies that are genuinely required, and with the help of Encircle, those innovations will be successfully brought to market, creating a stronger EU presence in the CBRN marketplace.

This list of requirements was presented to the European Commission for publication under the Part b 2017 call topics, as referred to in the SEC-05-DRS-2016-2017: Chemical, biological, radiological and nuclear cluster topic description. This provided the basis for preparing the research and innovation actions (RIA) aimed at research and development of novel CBRN technologies and innovation, leading to solutions for the gaps identified in the Encircle dynamic catalogue.

Proposals were submitted to the commission and three projects were selected to move forward with Encircle. They were Terrific, EU-Sense and Cosmic.

Terrific - is the acronym for Tools for early and Effective Reconnaissance in cbRne Incidents providing First responders Faster Information and enabling better management of the Control zone, and is a three year project aimed at shortening the response time to radiological and other emergencies

EU-Sense Project EU-Sense was created in direct response to the RIA call and Encircle catalogue of technologies, specifically the requirements for "...detectors that are fast, sensitive, robust, reliable, affordable, handheld and which do not disturb business continuity when applied in the prevention or preparedness phase", and the "lack of suitable equipment for use with untrained persons..."

Cosmic Project Cosmic also responds to the call for improved detection capabilities, and the project will be focussing on the gap in the security flow of container and vehicle inspection that can be exploited to smuggle CBRNe material.

2.1.2 ENCIRCLE Project Site

The ENCIRCLE project site has been continued to be updated and can be found here: <http://encircle-cbrn.eu/>



2.1.3 Dynamic Catalogue

The Encircle Dynamic catalogue has continued development and benefited from the experience and legacy of previous projects, such as the Eden project, and has built on the previous platform and increased functionality and performance. For example, Encircle has built in new marketplace functionality, improved the tools description by adding specific fields (standards for instance), and linked functionalities and taxonomy. All of this has created an advanced search engine for tools, projects, and needs & gaps.

Needs and gaps are important as one of the aims of the Encircle project is to collect and evaluate the results of previous CBRN projects and propose how to fill any remaining related gaps from them. Not only does this satisfy the current CBRN market but it also avoids unnecessary duplication of information and technology. Encircle in its first year has already had two iterations of needs and gap analysis, and as the project goes on will continue to fine tune them.

Currently the catalogue provides registration and support to two specific CBRN communities: practitioners / customers, and technological / industrial. These two communities represent the two largest user groups of the catalogue, but it is also of use to academics, scientists and other related fields.

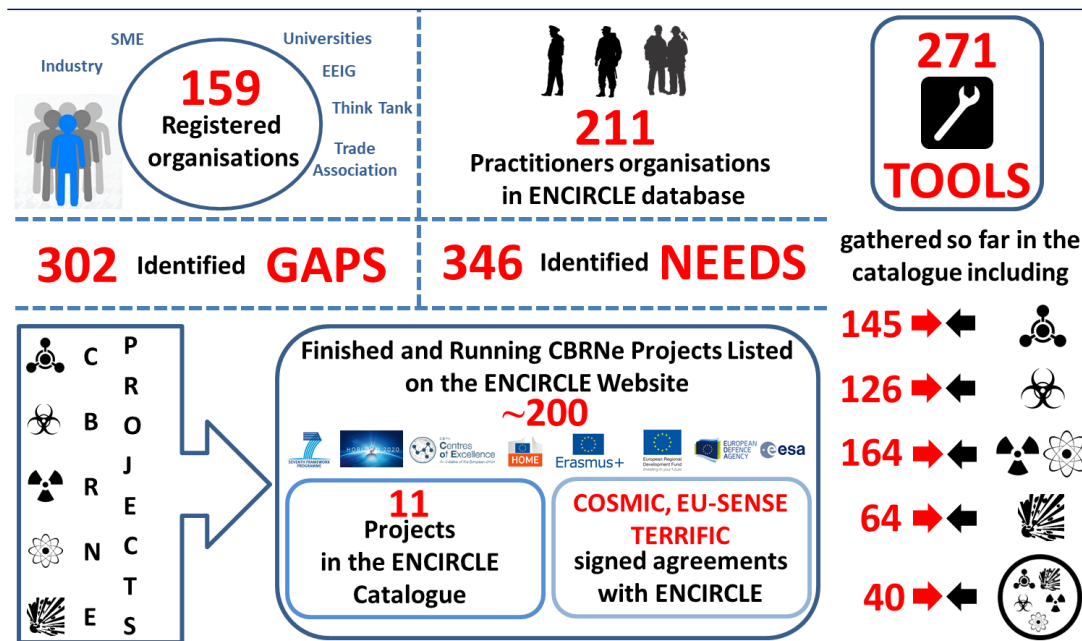
Practitioners and Customers Community: To be involved in the Encircle state of the art assessment and participate in workshops to improve policy, procurement and market development and service support for new innovations. To also provide feedback on the catalogue contents so that it can be iteratively improved to deal with their needs, and to become aware of all products available on the market.

Industrial and Technological Community: To be able to register, promote and disseminate current and future products and services in the catalogue, to network and eventually integrate with other suppliers, gain access to end-users and potential customers and to easily link with practitioners and Encircle partners.

You can register in one of the Catalogue Communities at different levels associated with different access rights: As a Practitioner and Customer community member; either on behalf of your Organization or as an “individual” and with or without (operational) systems and tools. As a Technological and Industrial community member; on behalf of your Organization or as an individual expert. As part of this community you need to register at least one tool or one project to be accepted.

To register simply open directly the Encircle Dynamic Catalogue home page: <https://www.encircle.eu/> or access it via public website of ENCIRCLE <http://encircle-cbrn.eu/catalogue/>, select which of the communities you fall under and complete the organization, points of contact, and functions fields, electronically sign the Letter of Intent (LOI by ticking the box when prompted), and submit your request. Once you have completed this your request will be sent to the project management board for approval.

Currently the catalogue contains



2.2 ENCIRCLE WORKSHOPS - 2018

2.2.1 Community of users meeting 2018

An overview of the project and the workshop was given at the COU meeting on the September 12th, the presentation is available on the COU website.

2.2.2 eNOTICE

ENCIRCLE attended the e-Notice & exercise Bio-Garden on 19 June 2018 held at the Major Housiau military compound in Peutie (Vilvoorde). As well as observing the practical demonstration the Encircle and eNotice consortium members had an opportunity to discuss with one another their respective projects. This provided an excellent opportunity to continue to foster a collaborative working relationship. The Encircle project was presented in its entirety, including a practical demonstration of the dynamic catalogue. Part of the Encircle presentation was a discussion around the needs and gaps that had been gathered to date, the attendees then had an opportunity to review them and provide input on them and suggest some of their own. This was a great activity and provided attendees with insight into Encircle but also gave the team an opportunity to receive feedback on the needs and gaps work currently being undertaken.

2.2.3 EUROSATORY

Eurosatory 2018 had a series of demonstrations and conferences that focused on CBRN, and Encircle project was invited to participate on Wednesday 13 June. This provided a perfect opportunity to present what has been achieved in the first year of the project to a wider audience. Over the course of an hour Encircle representatives from Ouvry, Université Catholique de Louvain (UCL), and Université de Nice-Sophia Antipolis (UNS), presented an overview of the project, its objectives, and the results obtained so far. There was also an interactive demonstration of the Encircle Dynamic Catalogue and discussions on its role as a platform for industry and technological providers to showcase European CBRN capability, its ability to provide a knowledge source for practitioners and policy makers and the benefits for those who join. An Encircle objective is to encourage the creation of, and facilitate the successful continuation of other CBRN projects, from research to market place. As part of the presentation at Eurosatory we introduced two new projects that Encircle is working with, Eu-Sense and Terrific.

2.2.4 FIRE-IN

Fire-In on June 26th at ISA (Istituto Superiore Antincendi) in Rome, the Encircle project was presented during the Fire-In Annual Dissemination Workshop. The presentation was made by two representatives from UCSC. The event was a unique opportunity to gain new gaps

identified by Fire-In and information about other ongoing and past projects. At the event we had the opportunity to present the project and its objectives, the catalogue and communities of practitioners, as well as its innovative aspects and the close collaboration with the stakeholders.

2.2.5 Other events ENCIRCLE has had a presence

- Article in CBRNe World – Closing the CBRN (EN)Circle, October 2017.
- First issue of ENCIRCLE magazine - available on project website
- Second issue of ENCIRCLE magazine - available on project website
- Multiple events attended (including those to which abstracts were submitted and accepted)
 - The 3rd Conference of the National System of Contamination Detection and Alarm, April 2018, Kazimierz Dolny, Poland
 - H2020 Secure Societies International Info Day and Brokerage Event, April 2018, Warsaw, Poland
 - 6th Scientific Conference EpiMilitaris 2018. Medical aspects of the use of CBRN agents – a challenge for uniformed services, April 2018, Ryn, Poland
 - Cibus 20th International Food Exhibition, May 2018, Parma, Italy
 - NBC symposium, June 2018, Rovaniemi, Finland
 - ‘CBRN Security Manager’ course, June 2018, Łódź, Poland
 - 4th International Symposium on Development of CBRN Protection Capabilities, September 2018, Berlin, Germany
 - CBRNe Applied Science and Consequence Management, September 2018, Cavtat, Croatia
 - Third Innovation for Crisis Management (I4CM) Event, September 2018, Warsaw, Poland

2.2.6 Planned events

ENCIRCLE will be present and have a stand at SRIEE 2018 come and talk to the team

ENCIRCLE is planning to have a number of workshops in 2019 including at NANTES May 2019 and International Symposium Farnborough Nov 2019

2.3 MARKET AND BUSINESS SUPPORT

2.3.1 Market analysis

A market analysis survey is underway which is currently available in English and French and all are encouraged to support this

The questionnaires can be found via the ENCIRCLE project site

<http://encircle-cbrn.eu/resources/encircle-questionnaires/>

A useful general resource for the market concerning First Responders which can be accessed can be found here (<https://internationalresponderforum.org/>) via the capability deep dives.

2.3.2 Innovation Watch

The tool “RiskRadar” has been customized for the CBRN domain, the tool will monitor different resource streams for content from the main solution providers, main associations or clusters that might be of interest and the intention is to incorporate within the ENCIRCLE catalogue.

2.3.3 Business Models and Plans

The business plan maturity model will be used to baseline TERRIFFIC, EU-SENSE and COSMIC so the ENCIRCLE community can understand particular needs and gaps and facilitate support.

2.4 INTEGRATION AND TECHNICAL SUPPORT

Most of the activities in this area will occur once the 2017 Part B awards have been made so most discussions have been around preparation.

2.4.1 Standards and Interfaces

The initial catalogue has been reviewed to start to collect standards and interfaces and links are being made with the SEC-21 networks with a view to collect suitable standards and networks to add to the ENCIRCLE catalogue.

2.4.2 Integration Platforms and Human Factors

The discussions to date have primarily been concerned with defining the structure of how the integration platforms will be grouped and the development of questionnaires. These questionnaires will be launched Q4 2018.

2.4.3 Impact Policy and Exploitation

A policy and procurement questionnaire was instigated by the consortium to generate discussion in this area and a meeting is planned with DG HOME to discuss this matter further and non-technological needs and gaps.