



ENCIRCLE

European Cbrn Innovation for the maRket CLustEr

D5.1 ENCIRCLE Cluster Impact Y1

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1	Université Catholique de Louvain (UCL)	X
2	BAe SYSTEMS (BAES)	X
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4	Przemysłowy Instytut Automatyki i Pomiarów (PIAP)	X
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8	Istituto Affari Internazionali (IAI)	X
9	Université de Nice-Sophia Antipolis (UNS)	X
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11	FALCON COMMUNICATIONS LIMITED (FALCON)	X
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Executive Summary

The Deliverable D5-1 presented herein provides a summary of Impact of the developments conducted by the ENCIRCLE consortium throughout the year one of the ENCIRCLE project.

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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, an innovative approach was proposed. Based on five objectives, it aims at prompting the innovation and business development, and filling market gaps within the project timeframe. 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 ‘impact’ of the ENCIRCLE Project to date, covering the period from February 2017 to March 2018

2 ENCIRCLE Impact

The ENCIRCLE project has been running since the 10th March 2017 and the following sections summarise the impact to date.

2.1 INNOVATION PLAN AND DISSEMINATION

2.1.1 Part B Call Topics

The ENCIRCLE catalogue currently contains the list of the technologies which were originally identified as gaps in certain functions (based on the STACCATO functions) of the main phases in the CBRN Security Cycle (Prevention, Preparedness, Response, Recovery) at the end of the EDEN project and by other contributions and workshops in 2017.

It has been refined and updated since the project has commenced as follows:

- Part B 2017 Call Topics – D3-9, recommended for the 2017 call, issued in May 2017,
- Refined future Part B Call Topics, as a result of the ENCIRCLE workshop D3-10 in November 2018.

2.1.2 ENCIRCLE Dynamic Catalogue – to be refined and updated by UNS

The ENCIRCLE dynamic catalogue is a framework and a process that provides a sustainable and secure web-portal and databases supporting:

- the ENCIRCLE Dynamic Catalogue creation and update,
- the community networks and “market place” functions.

The ENCIRCLE Dynamic Catalogue is a web portal with databases, networks, market place and different functions, that will support the project activity in an open, flexible and interactive manner. Its search engine is based upon an improved STACCATO/EDEN functional & technical taxonomy (including Human and Social Sciences). The catalogue has benefited from lessons learnt during the EDEN project to make the user experience easier and more user-friendly.

The catalogue is accessible on-line at the following address: www.encircle.eu.

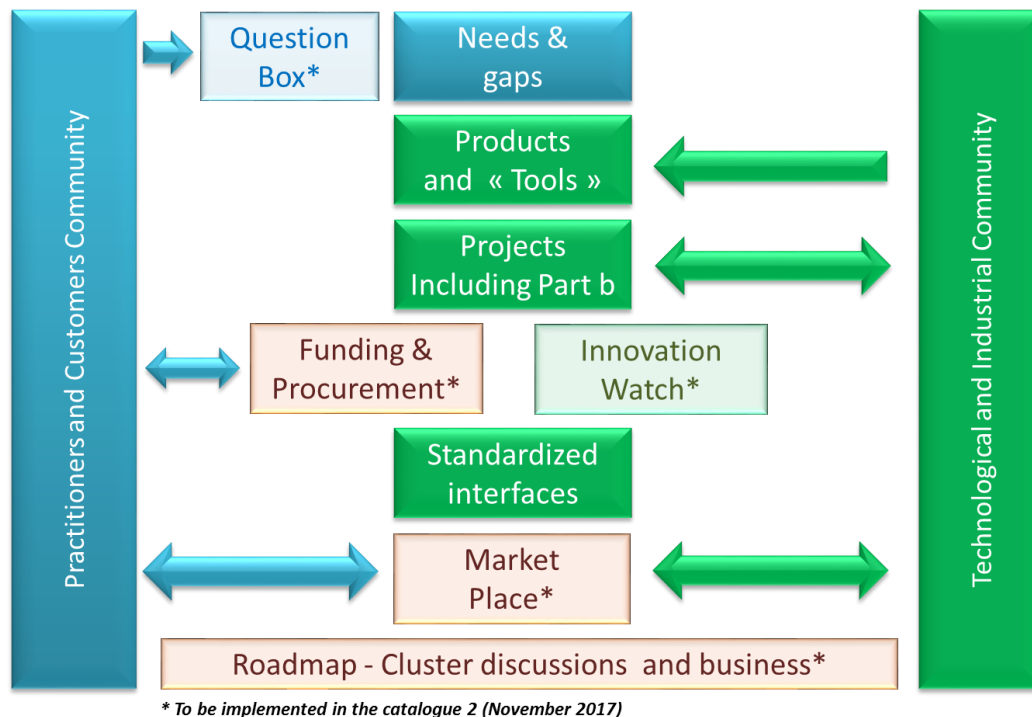
The home page is public.

To use the catalogue, under specific access conditions defined by the membership nature, it is necessary to register as a member of one of the ENCIRCLE communities.

The catalogue provides registration and support to the two ENCIRCLE communities: the Practitioners and Customers Community and the Technological and Industrial and Community which are the main users of the dynamic catalogue.

To be a “user” of the catalogue, an organisation or an expert must select the community it wishes to join and follow the registration procedure proposed for each community. The registration requires the signature of a Letter of Intent to agree between the consortium and the catalogue user. The LoI to be signed are sent automatically by the portal at the end of the registration request procedure for the Management Board decision. The LoIs are managed by each community leader from the consortium.

The structure of the catalogue is shown below:



The main functions of the catalogue that are currently implemented include:

Products and projects database

This is populated by unclassified information by the consortium and the communities, sorted out either by:

- functions and sub-functions,
- organisations,
- or needs and gaps.

It includes:

- The Product/tool “catalogue” which is populated and updated by the Consortium and Community members and includes CBRN relevant technologies and tools and generic, dual and non-specific CBRN products and technologies:

Each “product/tool” description includes when relevant:

- standards and interfaces,
- social and environmental issues and descriptions,
- SOPs and procedures.

In January 2018 Catalogue comprised, as registered users of the catalogue:

- 243 organisations (SMEs, Industries, RTOs and academia and 25 registered practitioner organisations providing “tools” or systems)
- 313 points of contact,
- 242 Tool descriptions,
- The Project database which is filled in and updated by the Consortium and the Community members and includes CBRN projects main information and CBRN related projects information, comprises currently
 - 5 cooperating projects (more are under discussions).

Needs and gaps

This is a gathering and summary of unclassified and not confidential information from the ‘communities’ of their needs and gaps. These will form the basis of the calls for the new topics for the SEC05 Part B projects.

- 345 Needs,
- 302 Gaps (CBRNe specific and related),

The Networks and groups function has been implemented in the Catalogue on March 8th 2018 and will provide the question box and first discussions facilities.

2.1.3 Dissemination activities – Input and coordinated by WAT

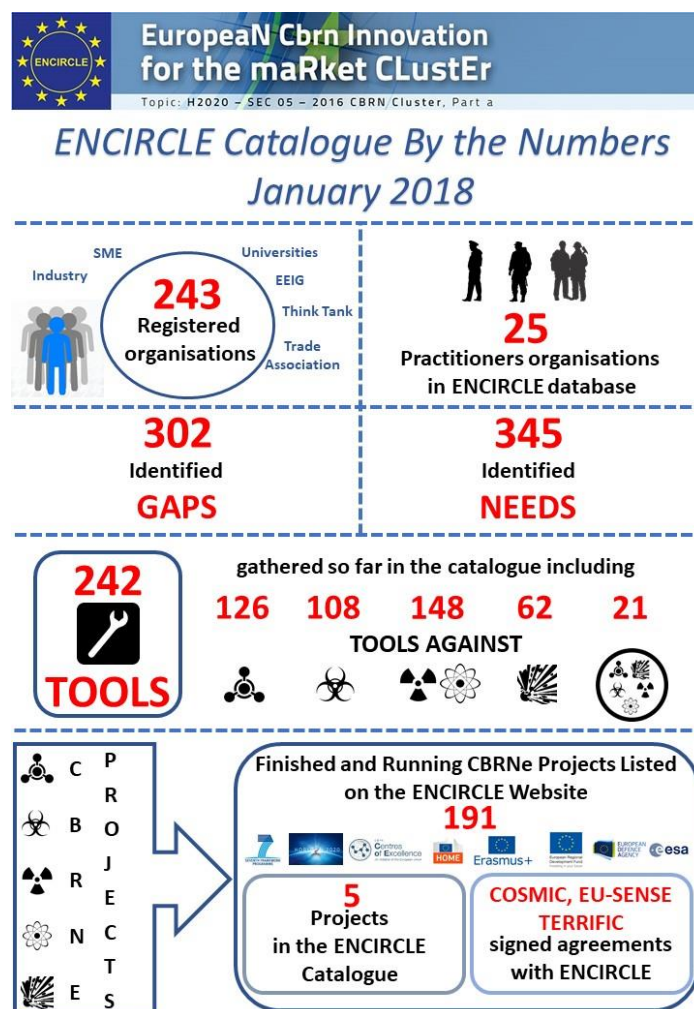
Date	Partner	Description	Link/Venue
May-17		ENCIRCLE Project Site	http://encircle-cbrn.eu/
May-17	UCL	Community of Users – Project Introduction	
Sep-17	WAT	ENCIRCLE workshop	Warsaw
Oct-17	BAES	Community of Users - ENCIRCLE update, policy and procurement	Brussels

		Newsletter	
Nov-17	UCL BAES	SRIEEE 2017 - ENCIRCLE stand and panel session	Talinn
Dec-17		eNOTICE liason	
Jan-08	Ouvry	Presentation of ENCIRCLE project	Lyon Chamber of Commerce

2.2 COMMUNITIES – INPUT

2.2.1 ENCIRCLE practitioner community

Currently ENCIRCLE practitioner community is composed by 25 Practitioner organisations registered in the Catalogue (cf. bar chart below).



2.2.2 Dissemination

Encircle magazine is published on February by Falcon. There are interviews of Encircle partners and information of project team and workshops.

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2.3 MARKET AND BUSINESS SUPPORT

2.3.1 Market analysis

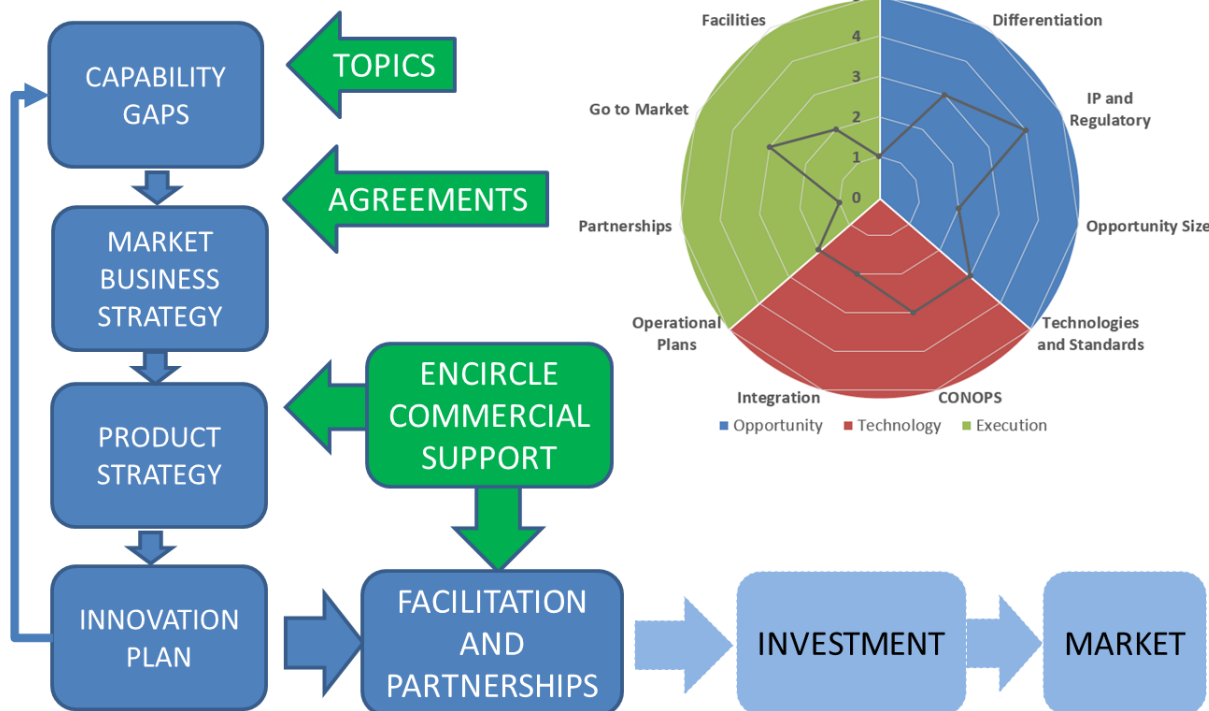
The Market Analysis questionnaire has been developed and has been launched. This anonymous survey is being undertaken to collect views, opinions and information from the wider CBRN stakeholder communities and thus inform what unfulfilled needs there are.

- This survey is aimed at the following stakeholders:
 - Industry – individuals employed in companies involved in the development and/or production of CBRN capabilities, goods and services
 - Users - individuals involved in the deployment and use of CBRN prevention or response capability equipment or services
 - Procurement agencies - individuals employed in organisations involved in the acquisition of CBRN capabilities, goods and/or services.

As a CBRN stakeholder you are invited to complete the survey which can be accessed here: [Project ENCIRCLE Survey](#)

2.3.2 Business Models and Plans

This work area will progress in earnest when the Part B projects that have been awarded are known. As part of the preparation for the future activities, discussions have been ongoing within the consortium concerning business and technology investment models that can potentially be used. At this stage of the project draft business models templates have been generated and these will be made available to the Part B projects. This includes a set of questions and a monitoring process to allow the innovation and business case to be assessed.



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 work in the first year has involved preparation activities

2.4.1 Standards and Interfaces

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

2.4.2 Integration Platforms and Human Factors

A bibliographic research on CBRN, human factors and first responders was conducted. And 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. Those will be published on the project website at the beginning of March 2018.

2.4.3 Impact Policy and Exploitation

Discussions have included raising Policy and Procurement challenges at both the COU and the SRIIE 2017 and it is proposed that a Procurement Steering board be created as part of the ENCIRCLE cluster.

A questionnaire is available on the ENCIRCLE project site for all parties to provide an input on policy and procurement challenges and opportunities

2.5 FEEDBACK ON PART B RESEARCH AND DEVELOPMENT ACTIVITIES

New Security work programme means that there will be no 2018 Topic call, and that calls will now be 2019 and 2020.

2.5.1 Part B Collaboration Agreement

A collaboration agreement, which is required to be in place for the Part B proposals, was drafted and agreed and then loaded on the ENCIRCLE project site. During the proposal submission, 13 collaborations agreements were signed between UCL and the proposal coordinators.