

Overview of the goals and expectations



GOALS



- CBRN TC, testing and demo sites
- Bringing together practitioners, industry, academia, policy makers

Enhance EU CBRN training capacity

- Improved incident preparedness and response
- Increased collaboration between TC and practitioners' needsdriven R&D&I

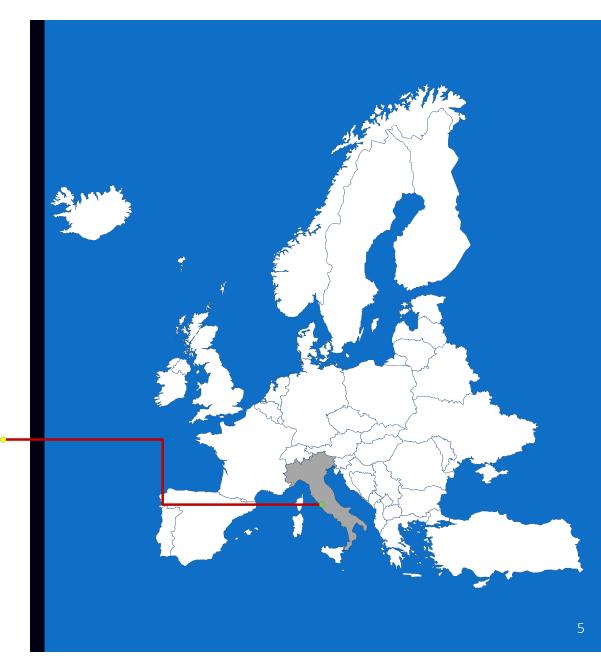
eNOTICE duration 5 years

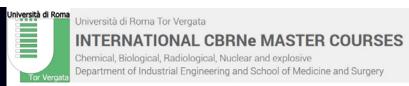
September 1, 2017 – August 31, 2022

Consortium – current network members

COORDINATOR Université catholique de Louvain (UCL)	BE	End-user, CBRN mobile capacity
Technical coordinator Campus Vesta APB (VESTA)	BE	Civil Training centre
Fire and Rescue Service of Seine et Marne (SDIS77)	FR	Civil Training centre
Association pour la recherche et le développement des méthodes et processus industriels (ARMINES)	FR	RTO, simulations
Umea Universitet (UMU)	SE	European CBRNE centre
Fire Department Dortmund (FDDO)	DE	Civil Training centre
University of Paderborn (UPB)	DE	University
Joint CBRN Defence Centre of Excellence Vyškov (JCBRND COE)	CZ	Military Training centre
Middle East Technical University (METU)	TR	Serious gaming and simulations centre
University of Rome Tor Vergata and The Italian Joint NBC Defense School (UNITOV)	IT	University and Military CBRN Training school
West Midlands Police, National CBRN centre (WMP)	UK	Civil CBRN Training centre
War Studies University, CBRN Defence Training Centre (WSU)	PL	Military CBRN Training centre
Scientific and Research Centre for Fire Protection (CNBOP-PIB)	PL	Civil Training centre

- 1. Universite Catholique de louvain (UCL)
- 2. Autonoom Provinciebedrijf Campus Vesta (VESTA)
- 3. Service Departmental D'incendie et de secours de seine et marine (SDIS 77)
- 4. Association pour la recherche et le developpement des methodes et processus industriels (ARMINES)
- 5. Fire Department Dortmund (FDDO)
- 6. University of Paderborn (UPB)
- Joint CBRN Defence Centre of Excellence Vyskov (JCBRND COE)
- 8. Middle East Technical University (METU)
- University of Rome Tor Vergata and The Italian Joint NBC Defense School (UNITOV)
- 10. West Midlands Police, National CBRN centre (WMP)
- 11. National Defense University, CBRN Defence Training Centre (NDU)
- 12. Scientific and Research Centre for Fire Protection (CNBOP-PIB)







- University of Rome Tor Vergata is the 2^{sd} University in Rome
- (Area of expertise, competencies) Starting from 2009 UNITOV organises Two post graduated International courses in "Protection Against CBRNe Events" (www.mastercbrn.com):
- I Level Master Course for First Responder
- II Level Master Course for Advisor
 - Both are coordinate by:
- Department of Industrial Engineering
- School of Medicine.
 - They are supported by OPCW and officially NATO selected.
 Several cooperation agreements with Public Entity, Privite entities and Research Centers are signed.

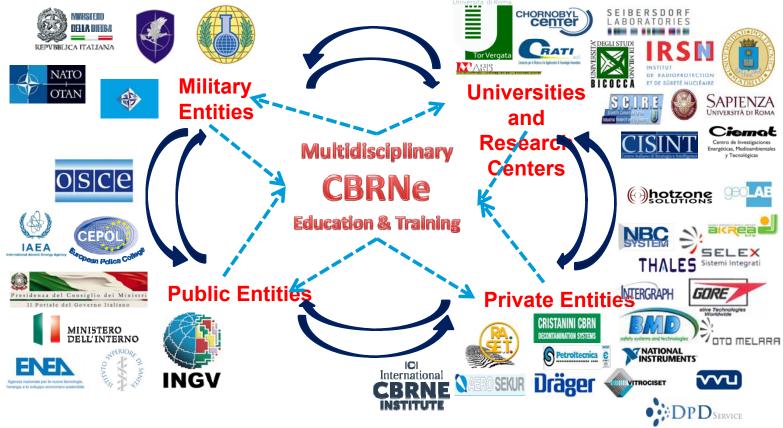








MISSION



CBRNe EXPERTS COMMUNITY





The international CBRNe Master Courses plan several training activities in Italy and abroad. The following are the principal training centres where the Master students are involved in training activities:

- Joint NBC school of Rieti Italy
- NATO School Oberammergau Germany
- JCBRN Defence COE Vyškov, Czech Republic
- Vinča Institute of Nuclear Science Belgrade Serbia
- ICI (International CBRNE Institute) Les Bons Villers, Belgium
- Voyenský Výzkumny Ústar (VVU CZ) Czech Republic
- Seibersdorf Laboratories- Vienna, Austria
-



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INTERNATIONAL CBRNe MASTER COURSES

Chemical, Biological, Radiological, Nuclear and explosive Department of Industrial Engineering and School of Medicine and Surgery



Italian participating ORGANISATIONS





The Italian Joint NBC Defence School

The MISSION is to organise training activities for MoD's military and civilian personnel as well as other Ministries, Public Institutions and Agencies involved in the CBRN National Defence





School Site







Training assets

- 8 Classrooms (428 seats)
- "Multimedia" Classroom
- Auditorium
- Biological Laboratory
- Radiological Laboratory
- CBRN Simulator
- Training Area: NUBICH



Why a network of Training centers?

Why eNOTICE?

Problem

- Gap between the needs of practitioners and R&D projects results/final products.
- How to reach users?

Solution

- Naturally through the people who train users!
- Training centers have:
- Users of all disciplines fire brigades, civil protection, medical aid services, police, defense and security experts – coming every day
- Facilities, infrastructure
- Resources
- Immediate feedback from users, collection of needs

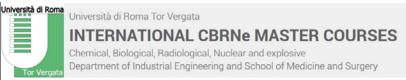
Way through – make training centers visible!





- List Training centers
- Describe their facilities, capacities and capabilities
- •Help them to know each other and pool resources for joint activities
- Inform all stakeholders
- ■Practical practitioner-oriented approach to networking – no discussion in meeting rooms!
 Use TC existing curriculum to organize many joint exercises and invite stakeholders and R&D projects

AMBITION





For networking and interoperability:

- Improve or build the link between existing preparedness and response capacities
- Network professionals from same and different disciplines
- Organize regular joint exercises
- •Need for more intersectoral joint exercises to support interoperability
- ■Share and discuss **best/common/different practices** to harmonize the desired capability and identify the needs and gaps





AMBITION

For enhancing EU CBRN training capacity:

- ■Push for end-users' needs-driven R&D&I, **bottom-up approach to innovation**: practitioners' needs-driven innovation, identification of needs and gaps, recommendation for R&D&I project(s)
- Help users find a capacity matching their needs
- **Scalability of capacities** in case of major crisis, possibly cross-border
- Lay the foundations of a harmonized interoperable European capacity for cross border crises response

Collaboration with current R&D projects





Main driving motivation – optimisation and pooling of resources

Problem: R&D projects spend a lot of money for demonstration and testing activities, and it's often difficult to find a good suitable place for demos.

Solution: We invite current R&D projects to tests and demos at eNOTICE training centres at our Joint Activities!

Benefit for eNOTICE network – more visibility of training centres with the EU stakeholders

Benefits for R&D projects:

- -Saving the budget using the training centres' facilities and exercise participants for demonstration and testing technology under development
- -Immediate feedback from practitioners who participate in the exercise



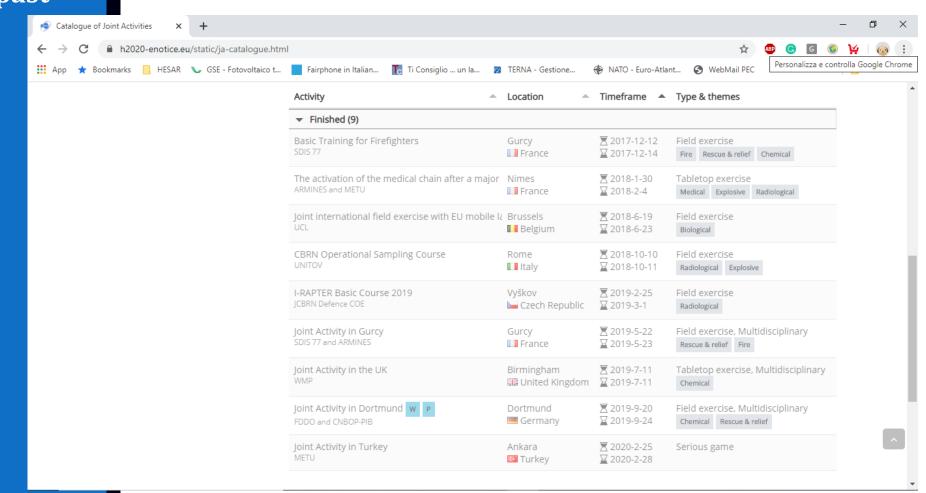
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Calendar of past **EVENTS** and **JOINT ACTIVITIES**



Calendar of Next EVENTS and JOINT ACTIVITIES



e NOTICE

Dates	Hosting organisation	Location	Description	Concatenated event	
May 2020	Campus Vesta	Ranst, Belgium	Multidisciplinary Field Exercise	Policy Meeting 3	
Jun 2020	eNOTICE Dissemination workshop	Hannover, Germany	Annual workshop 3 in collaboration with FIRE-IN network project at INTERSCHUTZ 2020		
Jul 2020	University of Rome Tor Vergata and The Italian Joint NBC Defense School	Rieti, Italy	Multidisciplinary Field Exercise		
Jan 2021	War Studies University	Warsaw, Poland	Table Top Exercise	Policy Meeting 4	
Apr 2021	Fire Department Dortmund	Dortmund, Germany	Multidisciplinary Field Exercise	Annual Workshop 4	
Oct 2021	Joint CBRN Defence Centre of Excellence	Vyškov, Czech Republic	Radiological Advanced Training Course	Policy Meeting 5	
Feb 2022	War Studies University + Scientific and Research Centre for Fire Protection	Poland	Combined Civil-Military Exercise		
Jun 2022	Campus Vesta + Université catholique de Louvain	Ranst, Belgium	Multidisciplinary Field Exercise + Bio Mobile Lab Field Demo eNOTICE Final conference		

PARTNER ROLE in eNOTICE



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WP2 UNITOV is leader of:

 D 2.5 Framework and sustainability plan for the European CBRN TC network

WP3 UNITOV Partner contributor

WP4 UNITOV Partner contributor

- WP5 UNITOV
- D 5.10 eNOTICE evaluation report on the preparation/organization, evaluation and follow-up of exercise Part1
- D 5.14 eNOTICE evaluation report on the preparation/organization, evaluation and follow-up of exercise Part2
- D 5.17 eNOTICE evaluation report on the preparation/organization, evaluation and follow-up of exercise Part3
- D 5.19 eNOTICE evaluation report on CBRN TC' quality label and webbased search function and recommendation for certification



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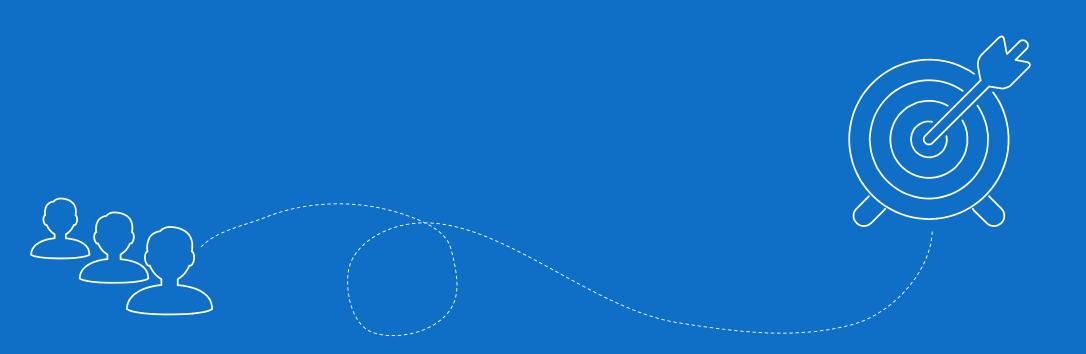
EXPECTATION

Why We joined the consortium: specific expectations.

 As organizer of of the International CBRNe Master Courses we are interested in multidisciplinary research activities and training activities related related to CBRNe

A "Quick Win" for us would be

- Participate at CBRNe European community.
- Increase our CBRNe network and number of potential partner for educational and research activities.



Network sustainability

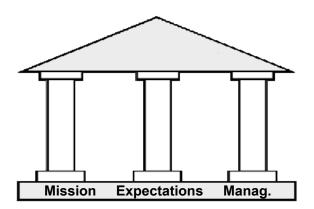
Framework pillars





Elaboration of a global framework for a sustainable European network of CBRN TC and associated stakeholders wishing to cooperate with peers.

The framework is based upon clear missions, realistic expectations and an adequate management structure.

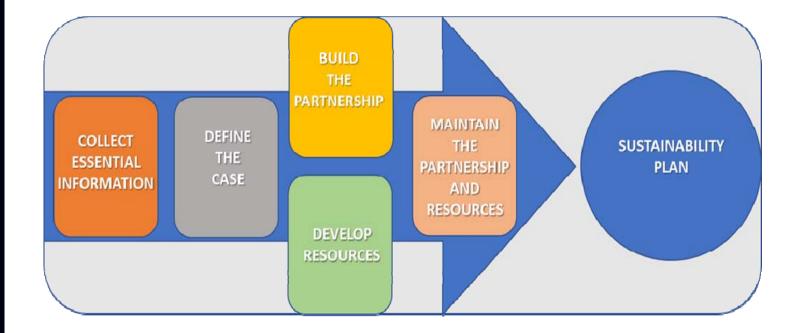






Sustainability plan development

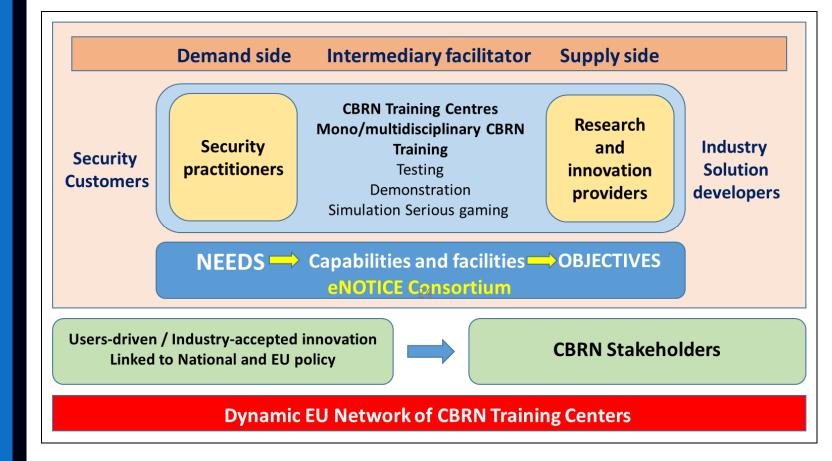
The five steps to create a sustainability plan for security network







Case Definition 1/2



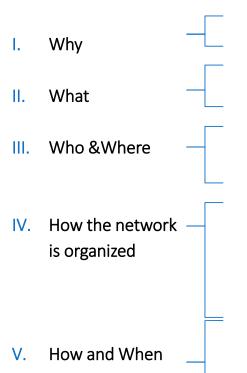
Case Definition 2/2





Aspects of network to be defined:





Detailed KPIs:

- Context & background
- The network's mission
- The network's scope
- Member profile
- Geographical scope
- Leadership
- Informal vs formal character
- Type of the network
- Decision making
- Density of the members relations
- Centrality of the members relations
- Quality management
- Financial viability
- Supporting instruments
- Duration of the network and sustainability strategy

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Dortmund – first project meeting open to all TCs members of eNOTICE network

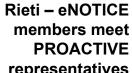


Building Partnership



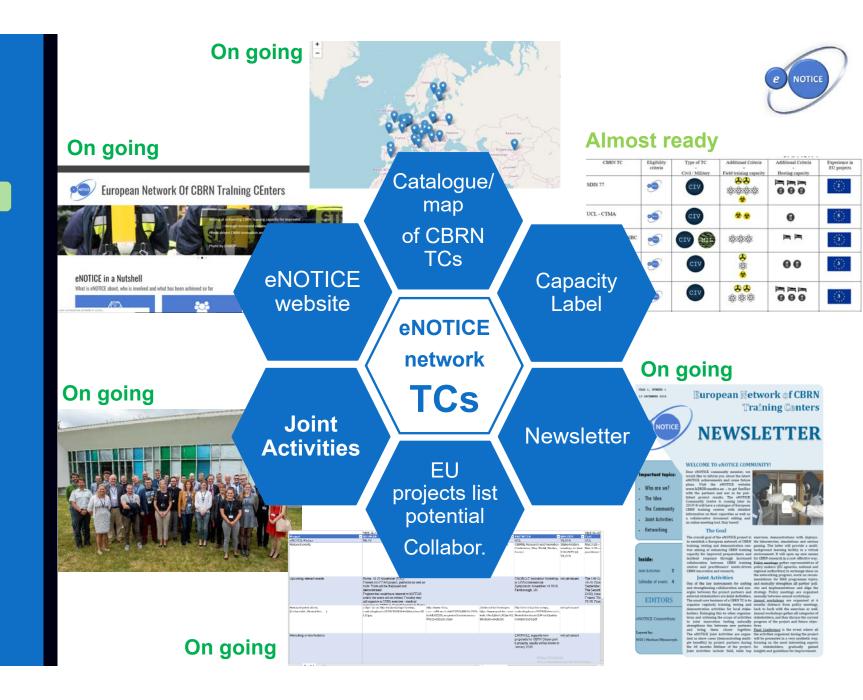


Frascati – eNOTICE members participated to the workshop of INCLUDING project





Resources development



Maintain Partnerships and Resources

Criticalities (1/2)







Critical aspects related to maintain Partnership:

In all the eNOTICE network activities aimed at establishing or consolidating a collaboration, there are always issues related to the secure management of information and the policy to be followed for sharing this information.

These issues can be tackled and overcome during the course of the project with long term consequences.

Critical aspects related to maintain Resources:

eNOTICE website and ECC: These must be promoted and, above all, used. Both in the short and <u>long term</u>, there is a need for platform "operators".

Capacity Label: must be promoted, explained and established among the TCs. In the <u>long term</u> the real difference can come from label related certification, but this requires additional costs.

Newsletter: It must arrive at a frequency of at least six months (as agreed in Dortmund) and must. Even with a <u>long-term perspective</u>, it represents a key tool, but also a commitment (it must be able to change in form and content) and consequently a cost.

Maintain Partnerships and Resources

Criticalities (2/2)







Critical aspects related to maintain Resources:

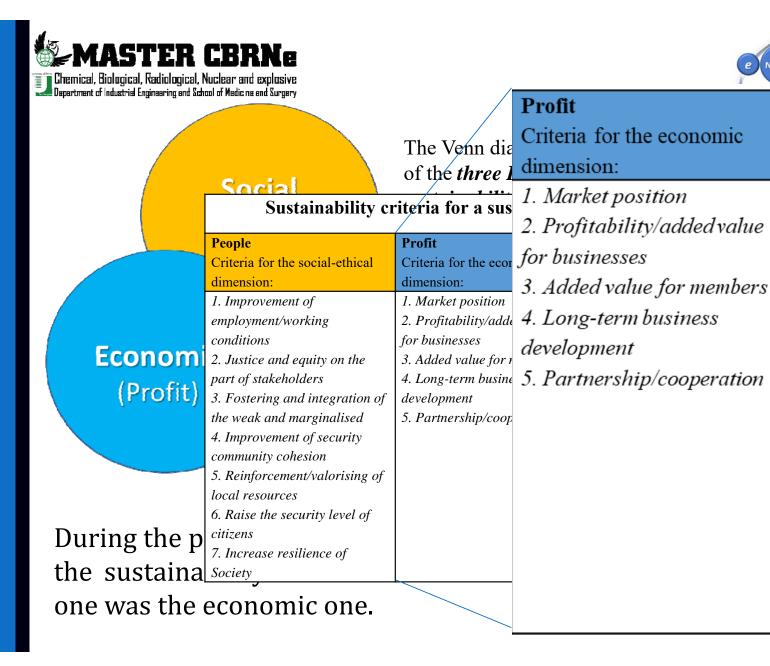
eNOTICE JAs: These potentially represent a time when CBRN actors can meet face-to-face and are an added value of the project. However, at the moment some actors are hardly ever involved, e.g. technology suppliers. But for the <u>long-term</u> sustainability of this instrument, these very actors can be crucial.

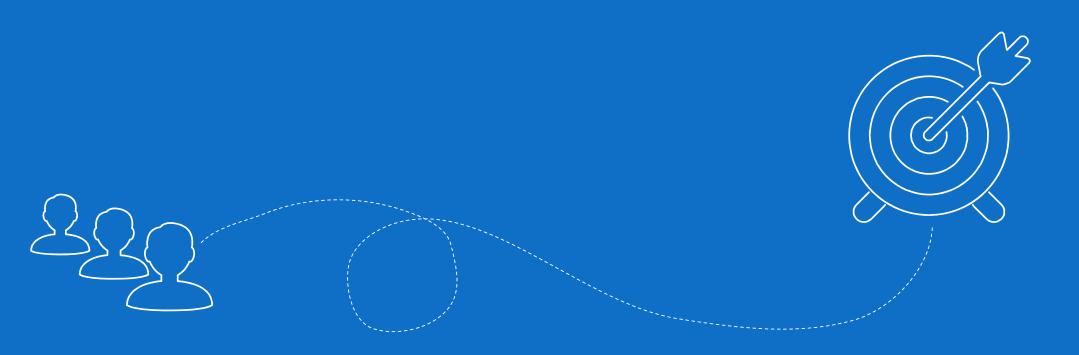
Map and Catalogue: It represents the heart of the project. The <u>long-term</u> viability of the network depends on the ability to involve and interest the TCs within it. Inviting TCs members to the JA (as in Dortmund) is as essential as the newsletter.

Collaboration with EU projects: It is a very time consuming (and therefore also expensive) activity, but it is fundamental to consolidate the role of the network.

Conceptual Frameworkfor Sustainable security network

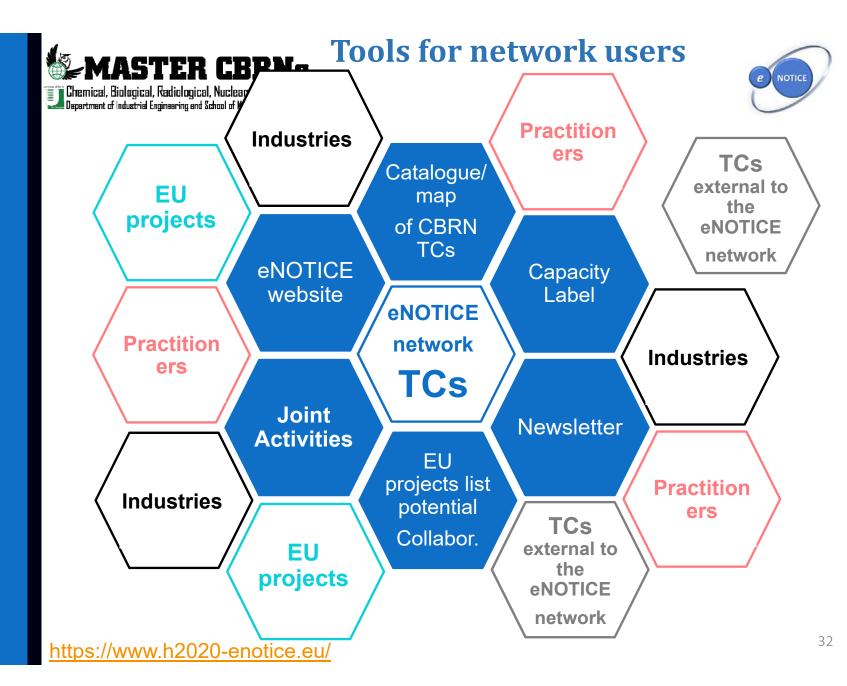
Sustainability check development





Where are We now?

eNOTICE
Network current
state of
development:



Roster and Catalogue (1/6):

Catalogue/ map of CBRN TCs

https://www.h2020enotice.eu/static/catalogue.ht ml

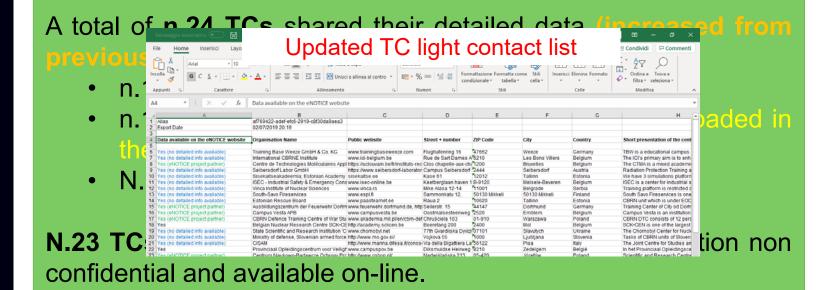




Currently

The Roster currently counts **n.47 contributions**, stable with respect to the previous JA (increased from previous report)

The Catalogue comprises **n.42 TCs** <u>visible on the website</u>: (stable from previous report)



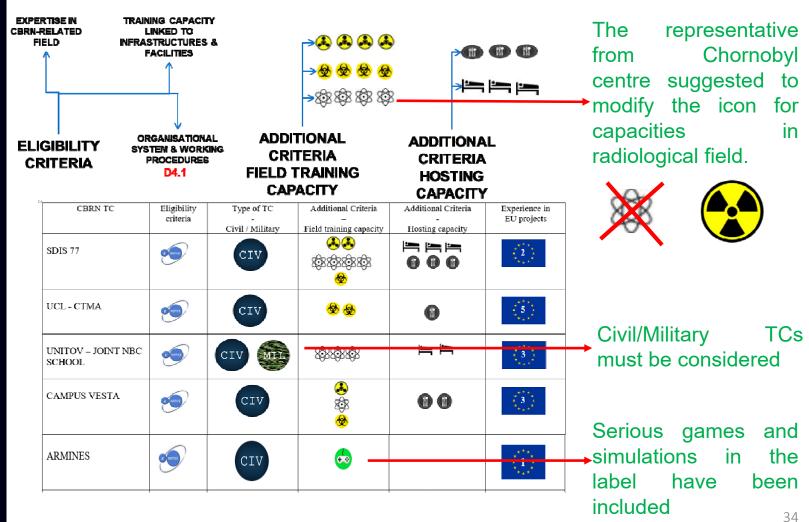
Capacity label (2/6):



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Final version of Capacity Label (1/2)





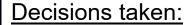
Capacity label (2/6):



Final versions on the base of Birmingham meeting



Final version of Capacity Label (2/2)



"The label will be automatically assigned when a training centre is accepted in the network."

Aspects to be clarified:

"For the chemical capacity it is not clear the difference between capacity level I and level II."

Label level for field exercises	Description	С
1	Capacity to provide facility allowing to set up a realistic decor for field exercises	<u> </u>
2	Capacity to provide simulant substances for field exercises	

From: *eNOTICE*: D2.2 – CBRN Training Capacity quality label



Newsletter (3/6):

Newsletter

Themical, Biological, Radiological, Nuclear and explosive Department of Industrial Engineering and School of Medic ne and Surgery

22 JANUARY 2020

Training Centers





NEWSLETTER

WELCOME TO eNOTICE COMMUNITY! We would like to inform you of Dortmund (FDDO). On behalf of about the latest eNOTICE achieve- the partners, we would like to take

Important topics:

- Who are we?
- What we do?
- The Community
- Joint Activities
- Networking

Inside:

Joint Activities 2019 2-5 Callendar of events 6 Announcements Calls for projects

EDITORS

NOTICE Consortium

Lavout by: WSU I Mariusz Młynarczyk ments and some future plans. Visit this opportunity to thank the eNOTICE Community Centre - to training centres representatives know more about the partners, who could attend the meeting and network members, past and future the whole Joint Activity. The availproject events and networking ac- able presentations are here at the

eNOTICE Community Centre. eNOTICE held the first meeting for The current members of the eNOtraining centres - network mem- TICE Network of CBRN Training bers - on September 20, 2019 in centres, testing and demonstra-Dortmund, Germany, in the train- tion sites are listed in eNOTICE ing centre of the Fire Department Catalogue

How to join the Network?

mangazi University, Eskişehir. The ra, Turkey Joint Activity will include three

The "Terms of Reference" define serious games including scenarios the scope of the network activities from mining, eNOTICE's previous and criteria for membership. All Joint Activities in Nimes (FR) and network members are heartily in- BioGarden in Peutie-Vilvoorde vited to attend further Joint Activi- (BE) that took place in January and ties to observe the exercises, to June 2018, respectively. The seritalk to peers and other stakehold- ous games will be played and testers from research, industry and ed with virtual and/or mixed realipolicy making organisations. Scroll ty. There will also be two field down to learn more about the trips to the mines nearby Ankara Joint Activities and project events and a serious gaming workshop that took place in the project for with distinguished guests from Europe and Turkey.

Upcoming Joint Activities Save the dates: Serious Gam-The next eNOTICE Joint Activity ing exercise and Joint Activity will be held in Turkey on February hosted by Middle East Tech-26-28, 2020 in Middle East Tech- nical University (METU) nical University, Ankara and Os- February 25-28, 2020, Anka-

eNOTICE newsletter contents:

- A) A list of useful information to join the network.
- B) Brief summaries of the eNOTICE Jas of 2019
- C) Calendar of eNOTICE future events and Joint activities
- dedicated section announcements and Call for projects"

EU Project projects list list for potential Collabor. future collaboration (4/6):

EU





In addition to the participation of representatives of other projects at the eNOTICE JAs and the participation of eNOTICE in exercises and workshops of other projects.

Synergies are being developed to develop shared activities.

Project monitoring file (last update 19 February 2020)

	VEGTA UNG METU					VECTA U
	VESTA-> ULC -> METU	ELL CORN C. E	TEDDIFIC	ENGING! E	MELODY	VESTA->U
			TERRIFIC VCL	ENCIRCLE UCL	MELODY VESTA	CoU
eNOTICE Partner Relevant events	METU	UCL Annual meeting of the European Union CBRN Risk Mitigation Centres of Excellence (EU CBRN CoE), June 12- 14, La Hulpe, Belgium. Participants from eNOTICE - JCBRND CoE, UCL	first technology trial in Gurcy May 22-23	CBRNE Research and Innovation Conference, May 20-24, Nantes, France	Stake-holders meeting on June 27th 2019 @ VESTA	March 26 - : March 28 - : practitioner
	Rome, 18-22 November (TBC) Present NO-FEAR project, platforms as well as tools. Tools will be displayed and demonstrated Projects that could have interest in NOFEAR and/or the event will be invited. Possibly they will organize a CBRN exercise - medical responses to CBRN in Campili begenitation.			ENCIRCLE Innovation Workshop at CBRN International Symposium, November 14 2019, Farnborough, UK	not yet issued	The 14th Co 16-20, Brus September The Securit 2109), Nove Finland. The 25-26, Boni
Relevant publications (Deliverable, Newsletter,)	a flyer so far http://no-fearproject.eu/wp-	http://www.cbrn- coe.eu/News/Tabld/123/ArtMID/519/Ar ticleID/222/European-Commission Press-release.aspx		http://encircle-cbrn.eu/wp- content/uploads/2019/05/Encircle Newsletter-Issue-2-Print-Quality- Compressed.pdf	not yet issued	
Interesting or new features				ENCIRCLE supports new proposals for CBRN Cluster part b projects, results will be known in January 2020 Attiva Window Passa a Impostazio		ndows.
Tabelle1 (+)			4			idows.
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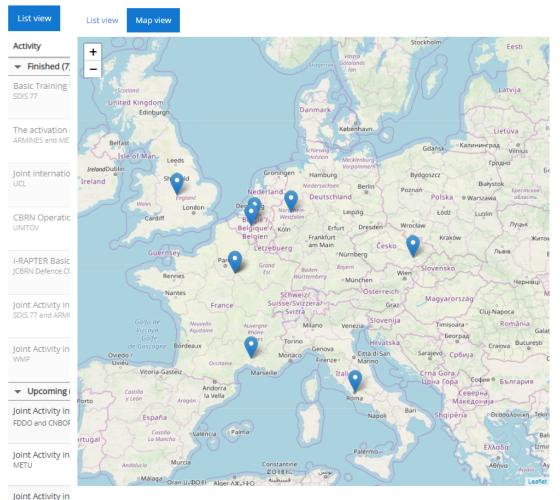
Joint Activities (5/6):



https://www.h2020enotice.eu/static/jacatalogue.html

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Chemical, Biological, Radiological, Nuclear and explosive
Department of Industrial Engineering and School of Medicine and Surgery



Geographical coverage

VESTA

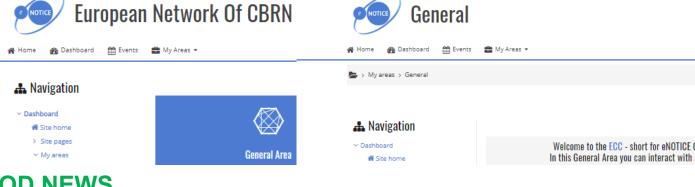


- 9 Joint Activities performed until now
- TTX, Field exercises performed.
- Exercises covered all the main scenarios "C", "B", "R", medical
- Serious gaming applications
- Representatives from other EU projects,
 Privat companies,
 Academia and practitioner hosted as observers.
- Activity of other project hosted in eNOTICE JA

38

eNOTICINetworlwebsite (6/6):

Website
registered users
areas and services



GOOD NEWS

All the eNOTICE website features are described in "D3.8 Report on information and communication platform full operational version"

Has been completed the "D3.10 Semestrial report 1 on the use of the information and communication platform"

BAD NEWS the eNOTICE Community Center is practically not used:

- The Calendar does not report any events;
- The Forum does not report any activity;
- The Cloud has not been filled with documents or images

Future efforts



Future Efforts

One for each eNOTICE network tool

- Developing the <u>TC catalogue and map</u>, in order to use this instrume easily identify synergies and collaborations among TCs
- 2. Defining a way to promote the Capacity label
- 3. Increasing the frequency of newsletters using the consolidated structure (One every six months?)
- 4. Updating the "Project monitoring file" constantly, the overview of a collaborations may lead to identify new potential synergies
- 5. Optimizing all the potential opportunity of interaction among the new users, offered by the <u>Joint Activities</u>
- Making the <u>Website and ECC</u> live, using these tools and populatin with content.



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