

eNOTICE European Network Of CBRN TraIning Centres

D3.2 Mid-term dissemination report

Period covered by the report: 30 months from 01/09/2017 to 29/02/2020

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Dissemination level

PU	Unrestricted PUBLIC Access – EU project	Χ
PP	Project Private, restricted to other programme participants (including the	
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RE	RESTRICTED, Restricted to a group specified by the consortium (including	
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2	Campus Vesta APB (VESTA)	Х		
3	Fire and Rescue Service of Seine et Marne (SDIS77)	Х		
4	Association pour la recherche et le développement des méthodes et processus industriels (ARMINES)	Х		
5	Fire Department Dortmund (FDDO)	Х		
6	Safety innovation centre (SIC)	Х		
7	Joint CBRN Defence Centre of Excellence Vyškov (JCBRND COE)	Х		
8	Middle East Technical University (METU)	Х		
9	University of Rome Tor Vergata and	Х		
	The Italian Joint NBC Defence School (UNITOV)			
10	West Midlands Police, National CBRN centre (WMP)	Х		
11	War Studies University, CBRN Defence Training Centre (WSU)	Х		
12	Scientific and Research Centre for Fire Protection (CNBOP-PIB)			

Executive Summary

This document is Deliverable 3.2 (Mid-term dissemination report) of eNOTICE, a European Horizon 2020 EC funded project, under the Grant Agreement n° 740521.

This dissemination report provides the results of the eNOTICE project dissemination performed from the project start to Month 30 and outlines further corresponding activities aimed at supporting the best possible integration methods promoting synergy between the partners' efforts and merging results into existing EU mechanisms of intervention and crisis management procedures inside and outside Europe in the CBRN threats domain.

The dissemination of knowledge in eNOTICE involves different activities aiming to raise as much awareness of the European CBRN network as possible. The process involves three different types of dissemination:

- promotion of the capacity of CBRN training centers (TC) to all stakeholders

- promotion of the network and its web-based platform (eNOTICE Community Center) to the possible users, and

- promotion of the project results, such as effective practices (cf. Task 4.1 template), lessons learnt from the joint activities that serve as show cases (Task 4.2), opportunities for harmonisation, standardisation, the plan to pool resources (Task 4.4), etc.

The targeted information materials will be developed and spread to relevant stakeholders,

The project dissemination targets a balanced mix of different initiatives to maximise the outreach to the all stakeholders – training centers and training professionals, local, regional, national and EU authorities and policy makers, practitioners, scientists, industry, civil society, etc.

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1 Scope of the eNOTICE project

1.1 The project scope, objectives, work approach

The objective of the eNOTICE project – European Network of CBRN Training Centres - is to build a dynamic, functional and sustainable pan European network of CBRN Training Centres, testing and demonstration sites (CBRN TC), aiming at building enhanced capacity in training and users-driven innovation and research, based on well-identified needs.

We seek to improve European preparedness, resilience and incident response to CBRN attacks and emerging threats through close multi- (stakeholders) and single-discipline (practitioners) interactions. Considering the variety of disciplines involved in managing CBRN risks, collaboration has always been quite challenging. CBRN TC can act as the perfect operational intermediary between all civilian and military CBRN actors, EU relevant bodies and policymakers, and thus serve as the best cradle for expansion of a CBRN network of professionals. To set up such a network that is both efficient and meets the needs of different security actors, several lines of action will be followed within the five-year timeframe of eNOTICE in order to develop a network that will be viable, attractive, as well as sustainable.

One of the eNOTICE's key activities is the organization of Joint Activities (JA): rather than traditional workshops that are of low interest for task-focused busy practitioners, the CBRN TC network will open up their core activities such as multidisciplinary field exercises, table tops, serious gaming and simulations to external partners (policy makers, EU R&D projects, industry, research, practitioners). These realistic settings of real-life situations will provide unique opportunities for the identification and development of user-driven technological solutions, e.g. through the identification of genuine users' needs, technical testing, validations, demonstrations, focus groups etc. Lessons learnt from these JA's will result in recommendations to improve their organization and their output, for optimized resource allocation and for enhanced collaboration both at operational and strategic (policy) level.

The partners of eNOTICE project and the network will use exercises as a way of meeting and learning from each other's experience and knowledge. Thus, the consortium and invited stakeholders will be observing exercises, tests and trainings at each site. Therefore, the Joint Activities are largely advantageous both on the operational side, feeding the methodological and scientific part of the project, and from the dissemination point of view, as Joint Activities will bring together lots of interested stakeholders.

1.2 eNOTICE expected results and impacts

Successful dissemination is considered the major criterion and prerequisite for the network creation. Convincing communication about the network participants, status, plans, results, describing advantages for new members, explaining the benefits, rules for participation, benefits for the community in general to all the relevant stakeholders, spreading excellence and information to make the network visible – these are the main objectives of dissemination.

2 Dissemination and communication strategy

This outline of eNOTICE dissemination and communication strategy includes a description of the planned activities and tools in support of this strategy, the target audiences matched against these tools and activities, as well as the mechanisms to define, carry out and assess eNOTICE

dissemination activities. The Plan also describes the message that will underpin all of these activities.

The plan will be updated regularly whenever deemed necessary. It should be understood as a fluid strategy that will adapt according to the development of the project partners vision and changing political and economical realities.

The main objectives of eNOTICE dissemination activities are:

- Guarantee proper dissemination of the project findings and results to the broadest European audience possible, including the general public and the media where appropriate. European CBRN stakeholders, all relevant parties within the CBRN market including industry and practitioners are kept up to date on the latest developments within the eNOTICE project. This will be achieved through a range of traditional and novel dissemination techniques including digital channels such as videoconferencing and social media communication, and organised discussions on the topic of the role and place of CBRN training centres.
- Follow the defined methodology for dissemination to support creation of awareness and spread of information to stakeholders (elaborated in D2.3 and specified in Section 2.1) with an interest in the network of CBRN TC and to facilitate information exchanges with external parties.
- Enhance the project's impact by supporting eNOTICE training centres visibility. eNOTICE results are to be placed in a way so as to maximise its input given to European and national policy-makers, especially those that have influence over the future European and national research agendas.

The eNOTICE dissemination objectives are guided by the project's overall objectives of elaborating a framework for EU CBRN TC networking, operational transactional framework on pooling the resources and establishing a web-based information and communication platform as a major mean of dissemination. eNOTICE dissemination objectives are instrumental to achieving these overall objectives.

2.1 Target audience

eNOTICE dissemination activities aim at the widest audience possible given the available amount of resources. eNOTICE objective is to reach out to CBRN, security and crisis management stakeholders at the local, national, European and worldwide level to increase their involvement in the network and their willingness to play a key role in innovation through networking and training centers visibility. For the security stakeholders bidirectional exchange with the project is crucial that presumes communication of the project objectives to the stakeholders and collection of their feedback for precise expression of their needs, requirements, vision of the desired collaboration.

eNOTICE communication strategy aims at the widest audience of security stakeholders possible given the available amount of resources and the wide number of contacts for each partner in the consortium.

Key groups of stakeholders who have a role and interest in the objectives and implementation of the network of CBRN training centres include the following main categories:

1. The first category is **eNOTICE partners/beneficiaries**. This group is distinguished temporarily for the five years of the project duration, for the internal purposes of self-assessment, of initial analysis of the needs and gaps, while later on all eNOTICE partners will be considered as Customers of the created network, as it should be sustainable and enduring

over the project's end. Now the eNOTICE beneficiaries are the core of the network, these are those enthusiastic starters who believe in the success and are doing all their best for building the corresponding operational community. The eNOTICE beneficiaries are:

- training centres and training professionals, who have profound knowledge and experience in various aspects of CBRN training. The needs of these partners, their opinions and expectations from the network, their understanding of the goals, of the challenges, of the existing gaps and the possible ways to fill the gaps, largely reflect the needs of the future network.

- non-training centre partner (SIC) who support the consortium by developing the webbased information and communication platform, thus understanding and analysing in deep all the requirements of the community to ensure that the platform will become an efficient tool and real facilitator of the community building and network creation.

Some partners have a combined profile: UCL Centre for Applied Molecular Technologies (UCL-CTMA) is the eNOTICE Coordinator. UCL-CTMA is a mixed academicclinical-military biotechnological platform, it tightly integrates the bio technology R&D pillar, it is a CBRN-Defence Laboratory Department for the BE Defence (DLD/BE-MOD) for military CBRN research and CBRN operational pillar working for DLD; and St Luc academic hospital (Cliniques Universitaires St Luc, Brussels) provider for clinical development and testing in molecular genetics and associated clinical research. UCL-CTMA has developed and owns an operational light deployable analytical capacity for rapid identification of life-threatening pathogens with extensive practical use of the mobile capacity (such as during the recent deployment in West Africa in 2014-2015 in response to Ebola outbreak), and international training exercises. Thus UCL-CTMA combines the vast experience as a practitioner and training activities related to the mobile capacity, the related technology development expertise, has internal expertise and receives extensive support of the university administration in EU collaborative projects management. VESTA, the eNOTICE Technical coordinator, is a large training centre with an established research department. ARMINES are METU are research and development partners bringing their expertise and developments in simulations and serious gaming as well as their CBRN training network.

These combined profiles of some eNOTICE beneficiaries prove that strict categorisation referring an organisation to a particular type of stakeholders is often not possible, while many organisations can be related to different categories at the same time. Specific profiles that fit in multiple categories should also be taken into account.

2. **Customers (results beneficiaries, users).** This group consists of several sub-groups of the stakeholders who benefit from the results of eNOTICE project and network:

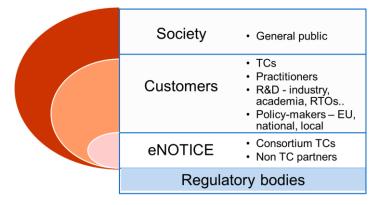
a) **Training centres**. Currently this group are the CBRN training centres located in Europe, who are not partners of eNOTICE consortium. However, after the end of the project, the consortium TCs will move to this group, being the core of the network. Naturally, the TCs are the main targeted focus of attention of eNOTICE network, it is exactly the TCs who are being contacted by eNOTICE partners to describe their training facilities, perspectives and to express their needs and hopes for the network participation. TCs have all the necessary infrastructure and resources to train users of all disciplines.

b) **Practitioners and operators**. Training centres and training professionals are tightly connected to practitioners and technology operators, as they organize trainings for them. TCs work with practitioners every day. Practitioners of all disciplines – fire brigades, rescue teams, police forces, medical services, civil protection, security and defence experts, logistic services deployed for incident management, competent authorities, information and communication experts, specialized services (water management, hazmat, etc.) – they all benefit from trainings organized at TCs, thus they are an integral part of the eNOTICE network.

c) **Technology suppliers, research and innovation providers**. These are representatives of research and development organisations, large industry, small and medium enterprises (SMEs), academia, research institutes, research units linked to ministries or agencies, etc. – all those who design and develop technologies used by practitioners and operators in their everyday work. TCs, testing and demonstration sites are an excellent testing playground for practitioners to test new technologies, products, services and provide immediate feedback to the technology suppliers.

d) **Policy-makers**. Policy makers and regulators – regional, national, EU authorities, agencies - members of European, intergovernmental and/or governmental regulatory agencies that ensure compliance with laws, regulations, established rules, as well as individuals who set the plan pursued by a European, intergovernmental and/or governmental institution level, having the authority to set the policy framework of an organization. Especially those who influence the decisions to use CBRN TCs services, technology or facilities as field capacities in CBRN preparedness activities to fund research and use of the TCs. Regulatory bodies underpin all the groups and activities.

3. Society. This group are EU citizens who benefit from the security technologies, products, services and processes and pay for them indirectly (e.g. through paying taxes, buying products, paying for health care services, drugs and vaccines, etc.) and are ultimate end-user for all security-related activities. These are public at large, NGOs, Civil Society Organisations, education (schools) and training organizations. General public includes everyone who wants to know more about the project according to their own personal interests and concerns, be it an interested citizen, an end-user that has not been identified yet as a stakeholder by the project, or be it other projects that are dealing with similar issues and where synergies might be explored. General public can be reached, for instance, through dissemination of the information at the project website or through announcements and interaction in social media. The general public today has increasing opportunities to influence the design, introduction and trajectory of new technologies and services in both private and public sectors. People also have the ability to directly influence innovation and encourage the development of new technologies. In recent years, there has been a growing emphasis by governments on the importance of collaboration with citizens and service users as drivers for innovation to improve service delivery [6]. This group of stakeholders was not approached so far, because the present study is focused on the opinions of experts directly involved in CBRN field. However, representatives of the Society will be interviewed during the lifetime of project, e.g. during the project exercises involving role-play volunteers.



These different categories and subcategories of stakeholders are illustrated in Figure 1.

Figure 1. Stakeholders of the network of CBRN training centres.

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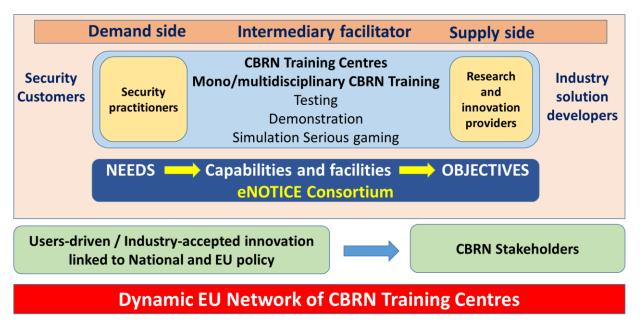


Figure 2. Key actors of the network of CBRN training centres

The list of particular stakeholder organisations from all groups was presented initially in Deliverable 3.1 Dissemination Plan and has been regularly updated since then. This list contains stakeholders of all groups including CBRN training centres that filled the eNOTICE questionnaire describing their training capability, facilities, expressed the wish to be visible to the community. The following organisations regularly receive the eNOTICE information:

CBRN Training centers (external to eNOTICE consortium):

Belgian Civil Protection

Belgian Nuclear Research Centre SCK•CEN

CBRN Defence Training Base "MUSCEL", Romania

CBRN Defense, Safety and Environmental Protection School, Germany

Cedre, France

Centro Adiestramiento Desactivación de Explosivos y Defensa NRBQ (CADEX-NRBQ), Spain

CISAM, Italy

Department of Special Chemistry and Chemical Engineering, National University of Civil Defence of Ukraine

Emergency services training centre of West Finland

Epidemiological Response Centre of The Polish Armed Forces

ESSEC IRENE, France

Estonian Academy of Security Sciences

Estonian Rescue Board

HDF 93rd CBRND BN, Hungary

HDF CBRN Area Control Centre, Hungary

Hungarian Defence Forces Medical Centre Mobile Biological Laboratory

INTA, Spain

ISEC - Industrial Safety & Emergency Consult, Belgium

Ministry of defense, Slovenian armed forces

Ministry of the Interior - Fire Rescue Service of the Czech Republic, Population Protection Institute

National University of Public Service, Hungary

NATO School OBERAMMERGAU

Nuclear Security Department, Centre for Energy Research (MTA EK), Hungary

Provinciaal instituut vorming en opleiding Vlaams-Brabant, Belgium

Provincie Limburg Opleiding en Training, Belgium

Provinciaal Opleidingscentrum voor Veiligheidsdiensten, Belgium

Seibersdorf Labor GmbH, Austria

South-Savo Fire services, Finland

Spanish National Police

State Scientific and Research Institution 'Chornobyl Center for Nuclear Safety, Radioactive Waste and Radioecology', Ukraine

Training Base Weeze GmbH & Co. KG, Germany

Vinca Institute of Nuclear Sciences, Serbia

Vojenský výzkumný ústav s.p., Czech Republic

Practitioner organisations that were contacted by eNOTICE partners, approached eNOTICE themselves during the face-to-face meetings, Joint Activities, or retrieved information about the project from the newsletters or at the website:

- AGBF Baden-Württemberg/Fire Department Heidelberg, Germany
- AGBF Berlin/Fire Department Berlin, Germany
- AGBF Brandenburg/Fire Department Potsdamm, Germany
- AGBF Hamburg/Fire Department Hamburg, Germany
- AGBF Hessen/Fire Department Offenbach a.M., Germany
- AGBF Niedersachsen/Fire Department Goettingen, Germany
- AGBF Rheinland-Pfalz/Fire Department Kaiserslautern, Germany
- Association Pegase, SAFE Cluster
- Armed Forces Scientific Institute for Protection Technologies, Germany
- Association of Chief Police Officers, UK
- Association of Chief Police Officers Scotland, UK
- ATF Fire Department Hamburg, Germany
- ATFB Essen, Germany
- BBK ATF, Germany
- Belgian Civil Protection
- Belgian Defense Laboratories (DLD)
- Belgian Federal Police

- Bundeswehr CBRN Defence Command, Germany
- Bundeswehr Institute for Microbiology (IMB), Germany
- Belgian First Aid and Support Team B-FAST
- Center for Biosecurity and Biopreparedness, Denmark Statens Serum Institut
- Centre for Defence Chemistry, Cranfield University, UK
- Center for Military Medicine, Finland
- Centre for Simulation & Analytics, Cranfield University, UK
- Chief Fire Officers Association, UK
- Defence Science and Technology Laboratory DSTL, UK
- Direction générale de la Sécurité Civile SPF Intérieur, Belgium
- European Centre for Diseases Control (ECDC)
- European Centre for Development Policy Management (ECDPM)
- EC DG ECHO
- Emergency Response Coordination Centre (ERCC)
- Estonian Academy of Security Sciences
- European Defence Agency
- European External Action Service
- EU CBRN Centre of Excellence
- Europol
- Federal police, Belgium
- FN La Maranosa, Spain
- Fire Brigade Zaventem, Belgium
- Fire Department Bremen/DFV, Germany
- Fire Department Cologne, Germany
- Fire Department Dortmund, Germany
- Fire Department Frankfurt/VFdB, Germany
- Fire Department Münster, Germany
- Fire Fighting Zone Antwerp, Belgium
- Forum ABC-Abwehr CBRN Defence, Austria
- GeoRessources, Université de Lorraine, France
- Interpol
- Health Protection Agency, Centre for Emergency Preparedness and Response, UK
- Hellenic National Defence General Staff (HNDGS crisis management centre), Greece
- Home Office Office for Security and Counter Terrorism, UK
- International Emergency Management Society
- International Atomic Energy Agency (IAEA)
- International CBRNE Institute
- Jyväskylä University School of Business and Economics, Finland
- KEMEA, Greece
- Laboratoire central de la préfecture de police (LCPP), France
- Luxemburg Grand-Ducale Police
- Military Corps of the Italian Red Cross
- Ministry of Interior Department of Firefighters, Public Rescue and Civil Defence
- Netherlands National Police
- Northern Ireland Fire and Rescue Service
- On-Site Technical Assistance to CBRN CoE, Belgium
- Pasteur Institute, France
- Police Service of Northern Ireland, UK
- Protection and Guard Service, Spain
- Public Health England
- Sapienza University of Rome

- Secrétariat Général de la Défense et de la Sécurité Nationale, France
- Scottish Fire and Rescue Service
- Spiez Laboratory, Federal Office for Civil Protection FOCP, Switzerland
- Technical Response Force, UK
- TEK (Counter Terrorism Centre), Hungary
- THW Iserlohn, Germany
- THW Ortsverband Quedinburg, Germany
- The National Fire Corps, Italy
- UNICRI
- Università Cattolica del Sacro Cuore, Italy
- University Hospitals Leuven, Belgium
- University of Belgrade, Vinča Institute of Nuclear Sciences, Serbia
- University of Defence, Faculty of Military Health Sciences, Czech Republic
- VdF NRW, Germany

Technology suppliers

This target audience is represented through security and crisis management industry and research institutions developing CBRN and crisis response related products, services, processes and technologies.

eNOTICE partners have provided points of contacts for the following technology supplier organisations. A database including, names, references and history of contacts is maintained by UCL.

- 2N35 (CBRNe, SME), Germany
- Active Technology Transfer Europe, the Netherlands
- Arescosmo, Italy
- Aurea Imaging, Belgium
- Belgian Defence Laboratories (DLD)
- Bertin Technologies, France
- BMD Spa, Italy
- Boerhinger Ingelheim
- Bruker Daltonik GmbH, Germany
- BT-InnoVaChem s.r.l., Italy
- CBRNE Ltd, UK
- CEA, France
- Centre for Research on the Epidemiology of Disasters CRED, Belgium
- CIEMAT, Spain
- CISAM Joint Center for Military Studies and Applications, Italy
- Crisis Information Centre, Poland
- Cristanini, Italy
- Die Johanniter, Germany
- Drone Ops Ltd, UK
- The Dutch Laboratory Network Terror Attacks LLN-ta
- The Dutch Network of Excellence Environmental Incidents BOTmi
- Department management of Scientific and Technological Research for Defense, Belgium
- Dutch Radiologic back office BORI
- E-Geos, Italy
- ENEA, Italy
- Eonix sa, Belgium

- Epidemiological Response Centre of the Polish Armed Forces
- Environics Oy, Finland
- Escuela Politécnica Superior, Universidad de Alcalá, Spain
- European Space Agency (ESA)
- Fraunhofer INT, Germany
- Game-based learning for instant work practice, UK
- German Aerospace Center, Institute of Technical Physics
- German Association for Defence Technology
- Hochschule Bremerhaven, Germany
- HotZone Solutions the Netherlands
- Indra, CBRN/C-IED department, Spain
- INERIS, France
- Institute for Detection Technologies (IDT), Germany
- Institute of Optoelectronices, Military University of Technology, Poland
- IOCTR, Germany
- ITHACA, Italy
- Johanniter-Unfall-Hilfe, Germany
- John Edward Jones LO, UK
- Joint CBRN center (Ministry of Defense), the Netherlands
- Laurea University of Applied Sciences, Finland
- LDI Innovation, Estonia
- Loughborough University, UK
- Marble ChemBio Consulting, the Netherlands
- Microfluidic ChipShop GmbH, Germany
- Military Institute of Engineer Technology, Poland
- Ministère de la Défense, Direction de l'expertise Technique, LE BOUCHET, France
- MJ Lawrence Consulting, Germany
- Military Institutue of Hygiene and Epidemiology, Poland
- Lindholmen Science Park AB, Sweden
- Military Medical Academy, Bulgaria
- Ministry of the Interior of the Czech Republik, Security Threats and Crisis Management Unit
- Nanobiz Nano bio Technological Systems, Turkey
- National Center for Epidemiology, Hungarian National Biosafety Laboratory
- National Research Council (CNR) Institute for Research on Innovation and Services for Development (IRISS), Italy
- Netherlands Forensic Institute (NFI)
- Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek TNO
- Ouvry, France
- Profius@service
- Rinicom secure communications, UK
- RISE, Research Institute of Sweden, Belgium
- Royal Military Academy, Belgium
- RNC Avionics, UK
- Robert Koch Institut, Germany
- Safran Morpho, France
- SCK-CEN, Belgium
- Selex, Italy
- SERSTECH AB, Sweden
- SES Astra Tech Com services, Luxemburg
- SICPA, Switzerland
- S.I.T. Sordina IORT Technologies S.p.A., Italy

- SUJCHBO, Czech Republic
- Tecnalia, Spain
- Tecnoalimenti, Italy
- TEKNE s.r.l., Italy
- Thales, France, Italy
- The Military Institute of Chemistry and Radiometry, Poland
- The Military Institute of Hygiene and Epidemiology, Poland
- TU Delft, the Netherlands
- T4i engineering Ltd, UK
- UK GDS
- Università di Pisa, Scuola di Ingegneria, and Istituto Nazionale di Fisica Nucleare, Italy
- Universidad Politecnica de Valencia, Spain
- Université de Lorraine, France
- University of Bologna, Italy
- University of Defence, Faculty of Military Health Sciences, Czech Republic
- University of Kent, UK
- University of Siena, Italy
- Univeristy of Zaragoza, Spain
- VITO, Belgium
- VSB Technical University of Ostrava, Faculty of safety engineering, Czech Republic
- VTT Technical Research Centre of Finland
- Wehrwissenschaftliches Institut für Schutztechnologien -ABC-Schutz (WIS), Germany
- XVR, the Netherlands

Policy makers and regulators:

In order to maximise its input to relevant European and national policy-makers, especially those that have influence over the future European and national research agendas, eNOTICE will reach out to the European Commission services, Member States and other public administrations. Special focus will be given to those leaders who influence the decisions to use CBRN training centres for better preparedness and response to CBRN incidents of national and/or cross-border scale.

So far eNOTICE partners have provided points of contacts for the following organisations. Some points of contact are redundant with the list of end users above and are contacted as both users and decision makers. A database including, names, references and history of contacts is maintained by UCL.

- Belgian Governmental Crisis Centre
- Belgian Nuclear Research Center, Environment, Health and Safety Institute
- Biological Weapons Convention Implementation Support Unit, UN
- Bundesamt für Bevölkerungsschutz und Katastrophenhilfe (BBK), Germany
- Bundeswehr CBRN Defence Command, Germany
- Direction Générale de l'Armement DGA, France
- Directorate General of the Federal Crisis Center, Belgium
- DG DEVCO
- DG ECHO
- DG HOME
- DG Research and Innovation
- European Centre for Disease Prevention and Control ECDC
- Etat-major des Armées EMA, France
- European External Action Service (EEAS)
- European Defense Agency (EDA)

- FABK Ministerie van Defensie, the Netherlands
- Federal Crisis Center, Belgium
- Federal Department of Defence, Civil Protection and Sports DDP, Federal Office for Civil Protection - FOCP, Switzerland
- Federal knowledge center for BE Civil Protection
- Federal Public Service Health, Food Chain Safety and Environment, Belgium
- FFI, Norway
- Home Office, UK
- Instituto Affari Internazionali, Italy
- Joint Research Centre (JRC)
- Joint CBRN Centre, Ministry of Defence, the Netherlands
- Ministry of Defence, UK
- Ministry of Health, the Netherlands
- Ministry of Home Affairs, Belgium
- Ministry of Infrastructure and the Environment, the Netherlands
- Ministry of Interior, Belgium
- Ministry of Interior, France
- Ministry of the Interior, Germany
- Ministry of Justice NCTV, the Netherlands
- Ministry Of Social Affairs and Health Preparedness Unit, Finland
- National Institute of Criminalistics and Criminology, Belgium
- National Institute for Public Health and the Environment, Centre for Environmental Safety and Security, the Netherlands
- National Institute for Public Health and the Environment (RIVM), the Netherlands
- Netherlands Institute for Safety
- Northern Ireland Department of Justice
- Office for Disarmament Affairs, Switzerland
- OPCW, the Netherlands
- PLOT, Belgium
- Province of Antwerp, Belgium
- Province Vlaams Brabant, Belgium
- Radiation and Nuclear Safety Authority STUK, Finland
- School of Law, Utrecht University, the Netherlands
- Stockholm International Peace Research Institute (SIPRI), Sweden
- UK Cabinet Office
- VERTIC, UK
- Wehrwissenschaftliches Institut für Schutztechnologien ABC-Schutz, DEU
- World Health Organization

2.2 Dissemination activities and tools

eNOTICE dissemination aims at guaranteeing proper dissemination of its activities and results to the broadest European audience possible, including the general public and the media where appropriate.

European security stakeholders are the prime target audience to ensure that they are aware of the steps taken at the European level. To achieve this dissemination objective, the following tools, directed towards all target groups defined in D2.3 and stated in Section 2.1 have been envisaged. Specific dissemination activities are foreseen for European, national and local

policy-makers. These activities are directed towards enhancing the project's impact by supporting eNOTICE exploitation activities. They aim to maximise the eNOTICE' input given to relevant European and national policy-makers, especially those that have influence over the future European and national research agendas. The process of spreading excellence, exploiting results and disseminating knowledge generated during in the project involves all consortium partners as well different activities aiming to raise as much awareness of the European CBRN Community as possible. All eNOTICE partners disseminate the project findings and results through their own networks, contacts and dissemination channels.

All dissemination activities are regularly reported, starting from the initial Dissemination Plan (D3.1) and then in eNOTICE Progress reports (D5.2, D5.4, D5.5, D5.7).

2.2.1 Public project website and the eNOTICE community centre (ECC)

The eNOTICE project website has been launched at https://www.h2020-enotice.eu/. The website serves as the main platform of dissemination of the project activities and results to the external audience. The website allows relevant stakeholders from the training centres, practitioners, CBRN technology suppliers, policy makers to stay up to date on the latest developments of the eNOTICE network.

The website features a general description of the project and its objectives, an overview of the project consortium, a list of all eNOTICE publications (scientific, press releases, newsletters, deliverables), means to contact the eNOTICE consortium, legal pages (e.g. a GDPR-compliant privacy policy) and a catalogue of the project's Joint Activities and the member Training Centres. Additionally, the eNOTICE Community Centre provides collaboration and communication features (such as a document cloud and a forum) to registered users.

The homepage of the ECC is shown in Figure 1, a complete description of the ECC and its features can be found in D3.8 and 3.9.

The ECC became fully operational in August 2019. It will be maintained for the duration of the project and iteratively improved in the context of Task 3.3, based on the results of Task 3.2 and the sustainability plan included in D2.5.

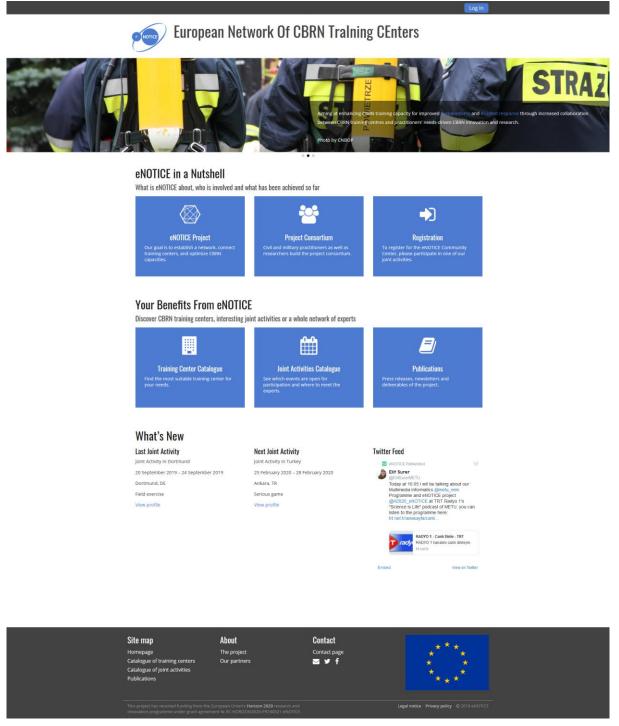


Figure 1: The homepage of the eNOTICE Community Center

2.2.2 Press releases and media information

Tis is not a regular dissemination activity of the project, but is related to events and publications at the occasion of the project Joint Activities mainly, where the hosting training center announces the event to increase visibility for stakeholders, general public and opinion makers. Whenever possible and appropriate, eNOTICE partners search for possibilities to announce the project results, status, activities in relevant media. For example, before and during the Joint Activity in Peutie-Vilvoorde, Belgium on June 19, 2018 a few press releases were issued in French and Dutch languages:

740521 - eNOTICE: D3.2 - Mid-term dissemination report (PU)

Defense: https://www.mil.be/fr/article/bio-garden-permet-aux-departements-de-travaillerensemble

HLN: <u>https://www.hln.be/nieuws/binnenland/grootschalige-oefening-moet-hulpdiensten-voorbereiden-op-biologische-terreuraanslag~aba62950/</u>

HLN: <u>https://www.hln.be/regio/vilvoorde/defensie-oefent-biologische-</u> terreuraanslag~aa5d0c40/

La libre Belgique : <u>http://www.lalibre.be/actu/politique-belge/la-defense-se-prepare-en-cas-d-attaque-bioterroriste-5b28fafe5532a296888cf8c5</u>

 $7 \ sur \ 7 \ : \ \underline{https://www.7sur7.be/7s7/fr/1502/Belgique/article/detail/3440795/2018/06/19/La-menace-bioterroriste-existe-d-ou-cet-exercice.dhtml}$

 $MEDI-SPHERE: \underline{https://www.medi-sphere.be/fr/actualites/la-defense-organise-un-exercice-de-reponse-a-une-attaque-bioterroriste.html}$

https://www.nieuwsblad.be/cnt/blpva_03569682

and a few TV programs:

RTBF : <u>https://www.rtbf.be/auvio/detail_jt-13h?id=2364421</u>

RTL TVI : <u>https://www.rtl.be/info/video/674446.aspx</u>

VTM:

 $\underline{https://nieuws.vtm.be/video/?f\%5B0\%5D = sm_field_properties\%3AVolledige\%20uitzendingenties\%3AVolledigem20uitzendingenties\%3AVolledigem20uitzendingenties\%3AVolledigem20uitzendingenties\%3AVolledigem20uitzendingenties\%3AVolledigem20uitzendingenties\%3AVolledigem20uitzendingenties\%3AVolledigem20uitzendingenties\%3AVolledigem20uitzendingenties\%3AVolledigem20uitzendingentie$

 $VRT: \ \underline{https://www.vrt.be/vrtnws/nl/2018/06/19/is-ons-land-voorbereid-op-een-chemische-of-biologische-terreuraa/}$

Interview at Haberturk TV – National television programme, Turkey, 16 April 2019, https://basinda.metu.edu.tr/17-04-2019/1237259#git with video demonstration of the serious games developed for eNOTICE – METU.

UNITOV: <u>https://www.opcw.org/media-centre/news/2017/11/winners-2017-opcw-hague-award-announced</u>

JCBRND COE: enotice.eu/index.php/s/EUCBRNRiskMitigation#pdfviewer https://cloud.h2020-

https://www.jcbrncoe.cz/images/Documents/newsletter-2020.pdf

METU :

Newspapers, TV/Radio Channels:

Interview at Anadolu Agency, 11 February 2020: <u>https://www.aa.com.tr/tr/bilim-teknoloji/biyolojik-silah-ve-salginlara-karsi-milyonlari-egitecek-bilgisayar-oyunu-tasarlandi/1730388</u>

eNOTICE on several national TV channels and newspapers, 11-15 February 2020:

https://basinda.metu.edu.tr/15-02-2020/1647279#git

https://basinda.metu.edu.tr/12-02-2020/1642563#git

https://basinda.metu.edu.tr/12-02-2020/1642564#git

740521 - eNOTICE: D3.2 - Mid-term dissemination report (PU)

https://basinda.metu.edu.tr/12-02-2020/1642572#githttps://basinda.metu.edu.tr/12-02-2020/1642709#githttps://basinda.metu.edu.tr/12-02-2020/1642711#gitChannel 24: https://basinda.metu.edu.tr/12-02-2020/1643113#gitTV 100: https://basinda.metu.edu.tr/12-02-2020/1643118#gitRadio Interview at TRT Radio 1, 'Life is Science', 10 February 2020:https://basinda.metu.edu.tr/icerik/podcastMETU Video of the Week, to be released on 27 February 2020METUSocialMETU_com/METU_ODTU/status/1227201611950370816Conferences and Seminars:

Second International Congress, "Developing a Scenario-Based Video Game Generation Framework for CBRNe training", 28.11.2019.

METU Computer Engineering Department, 'Developing a Scenario-Based Video Game Generation Framework', 06.11.2019.

METU Computer Engineering Department, 'A Brief Introduction to the Design Process — Perspectives and Applications in Video Game Design', 31.10.2019.

2.2.3 Newsletters

Even though initially eNOTICE consortium did not plan to produce its own newsletters, but during the project implementation it was considered very useful to inform the community about the project results achieved so far, report on the past Joint Activities and announce the upcoming ones to attract more participants. Two newsletters were designed and issued by the eNOTICE consortium – Newsletter 1 in December 2018 (can be downloaded at <u>https://cloud.h2020-enotice.eu/index.php/s/CSRzqaWop2erpeG#pdfviewer</u>)

and Newsletter 2 in January 2020 (can be downloaded at <u>https://cloud.h2020-enotice.eu/index.php/s/newsletter2#pdfviewer</u>).

The first newsletter was aimed at the CBRN stakeholders at large, while the second one was more dedicated to CBRN training centers as the primary audience of eNOTICE, and sent out to all the training centers – members of eNOTICE network at the moment, and other stakeholders received it as well for information.

2.2.4 Publications

Publications in scientific journals:

Vybornova, O. & Gala, JL. (2019) Structured decision-making for the management of a biological fieldable laboratory during outbreaks: a case for European Union Civil Protection Mechanism (EUCPM). Environment Systems and Decisions, 2019, 39, 65-76. https://doi.org/10.1007/s10669-018-9700-y Vybornova O and Gala JL. Operations management and decision making in deployment of an on-site biological analytical capacity. (2018). In Gary P. Moynihan (Ed.) /Contemporary issues and Research in Operations Management, IntechOpen. Chapter, 2018, 4, 53-80, 2018. ISBN 978-953-51-6018-2. <u>http://dx.doi.org/10.57725/intechopen.74357</u>.

eNTERFACE Proceedings Book: Surer, Elif & Erkayaoğlu, Mustafa & Öztürk, Zeynep & Yücel, Furkan & Bıyık, Emin & Altan, Burak & Şenderin, Büşra & Oğuz, Zeliha & Gürer, Servet & Duzgun, Sebnem. (2019). Developing a Scenario-Based Video Game Generation Framework: Preliminary Results.

arXiv: Surer, Elif & Erkayaoğlu, Mustafa & Öztürk, Zeynep & Yücel, Furkan & Bıyık, Emin & Altan, Burak & Şenderin, Büşra & Oğuz, Zeliha & Gürer, Servet & Düzgün, H. (2019). Developing a Scenario-Based Video Game Generation Framework: Preliminary Results.

Conference: 3rd International Conference CBRNE - Research & InnovationAt: Nantes, France: Surer, Elif & Atalay, Timuçin & Demirkan, Doga & Duzgun, Sebnem. (2019). Serious Gaming in CBRNe Domain: A Survey on User Expectations, Concerns and Suggestions.

Publications in professional magazines:

Notice period. // ENCIRCLE magazine, Issue 3, 2019, available at <u>http://encircle-cbrn.eu/wp-content/uploads/2019/09/Encircle-Magazine-Issue-3-vWeb.pdf</u>

Pratzler-Wanczura, S. (2019): Eine "etwas andere" Großübung im Rahmen des europäischen eNotice-Projektes, Dortmunder Brennpunkt, Dortmund;

Pratzler-Wanczura, S.; Speth, H. (2020): Das Projekt eNotice: European Networks of CBRN Training Centers, Zeitschrift für Forschung und Technik im Brandschutz vfdb, Bremen

2.2.5 eNOTICE events

The Consortium organises dedicated eNOTICE events to strengthen the community, to practically show, use and promote the training facilities included in the network and to build and raise awareness of the project especially in view of increasing the involvement of the training professionals, practitioners and technology suppliers in the project activities. For the first half of the project, the following eNOTICE events have been completed:

	Date	Hosting partner	Location	Type of activity	
1	12.12.17 – 14.12.17	SDIS77	Gurcy, FR	Multidisciplinary Field Exercise (focus on fire brigades)	
2	29.01-31.01 2018	ARMINES + METU	Nîmes, FR	Table-top / serious gaming	
3	19 - 20 June 2018	UCL	Brussels, BE	CBRN mobile capacities Field Exercise	Policy Meeting 1
4	9-11 Oct 2018	UNITOV	Rieti, IT	Multidisciplinary Field Exercise	Annual Workshop 1
5	Feb 25 – Mar 1 2019	JCBRND CoE	Vyškov, CZ	International Radiological Assistance Programme Training for Emergency Response (I-RAPTER) Basic Course	
6	May 22-23 2019	SDIS77	Gurcy, FR	Multidisciplinary Field Exercise	
7	Jul 11, 2019	WMP	Birmingham, UK	Table Top Exercise	
8	Sep 20-21, 2019	FDDO + CNBOP-PIB	Dortmund, DE	Multidisciplinary Field Exercise	Annual Workshop 2 Policy Meeting 2
9	Feb 25-28, 2020	METU	Ankara, TR	Serious Gaming	

Joint activities

9 Joint Activities have been held:

- Practical training for firefighters organised by SDIS77 in Gurcy, France on December 12-14, 2017;
- Table top exercise organised by ARMINES and METU in Nimes, France on January 29-31, 2018;
- Field demonstration Bio Garden organized by UCL, combined with Policy Meeting 1 in June 19-20 in Peutie-Vilvoorde, Belgium;
- Field exercise organized by UNITOV and Joint CBRN Defence School in Rieti, combined with the Annual Workshop 1 on October 9-11, 2018 in Rieti, Italy; ,
- I-RAPTER International Radiological Assistance Programme Training for Emergency Response, basic course, organized by JCBRND COE, February 25 – March 1, 2019, in Vyškov, Czech Republic;
- Multidisciplinary field exercise organized by SDIS77 and ARMINES in Gurcy, France on May 22-23, 2019;
- Table top exercise organized by WMP, July 11, 2019 in Birmingham, UK;
- Multidisciplinary field exercise organized by FDDO, combined with Policy Meeting 2 and Annual Workshop 2 on September 20-21, 2019 in Dortmund, Germany;
- Serious gaming organized by METU, February 25-28, 2020 in Ankara, Turkey.

Policy meetings

<u>Policy Meeting 1</u> was organized on June 20, 2018 - the next day after the eNOTICE large scale field exercise Bio Garden hosted by UCL at the military base in Peutie-Vilvoorde, Belgium. The detailed report about the Bio Garden exercise can be found in D4.3 eNOTICE Joint activities planning (submitted in August 2018). The detailed report about the Policy Meeting 1 can be found in D4.8 eNOTICE Recommendations for CBRN R&D and CBRN policies. Version 1 (submitted in September 2018).

Many EC policy makers were invited to the Bio Garden exercise where they could witness the logic and spirit of the eNOTICE Joint Activities, meet the eNOTICE consortium representatives define priorities for the policy related to CBRN TCs, expectations from the eNOTICE network of CBRN TCs, and desired ways of interaction with the network. Representatives from DG HOME, DG ECHO and DG DEVCO were participating in the panel discussion.

<u>Policy Meeting 2</u> took place during the eNOTICE Joint Activity in Dortmund, Germany, on September 20, 2019. Deliverable 4.9 (eNOTICE Recommendations for CBRN R&D and CBRN policies. Version 2) provides the detailed report on this Policy Meeting with representatives of German national/regional/local authorities, both civilian and military. Along with the main advantages of the eNOTICE network recognized by all stakeholders including policy makers – gaining knowledge, exchanging of practices, procedures, lecturers, trainees, trainers, identifying common standards (formal and informal), increasing interoperability of national and EU actors, there is a number of challenges that have to be taken into account. The challenges include personnel resources and time required to maintain the network activities; lack of financial resources, including budget for travels to trainings abroad; language barrier; legal and cultural differences between countries. Civil-military and international cooperation are recognized as an absolute must, however civil-military cooperation still lacks an overall overarching concept guiding both military and civilian actors and defining their collaboration at all levels, facilitating communication, interoperability, joint training.

The major recommendations are related to linking with all existing professional networks, such as national associations of firefighters, etc.; better targeted dissemination of the eNOTICE network to the national actors; look into legal constraints in each country; encompass and take advantage of differences between network members and not try to unify all, since the strength is in the diversity.

Annual project workshops

<u>Annual Workshop 1</u> was held in concatenation with the JA in Rome-Rieti on October 11, 2018. The workshop was dedicated to dissemination of the project to external stakeholders – practitioners, R&D and networking projects representatives at the Annual Workshop after the exercise in Rieti.

<u>Annual Workshop 2</u> The eNOTICE consortium organized the first event in the a series to involve the network members in the activities. This first official event took place in Dortmund, on September 20, 2019. This Workshop gave the opportunity to present eNOTICE network to the training centers – new members - more concretely, to see presentations of the members, to explore and discuss with them opportunities for participation in EU projects, expectations they might have as a training center in the network and how the eNOTICE can support their activities. 8 training centers (external to eNOTICE consortium) were present at the meeting.

2.2.6 Participation in external events

The eNOTICE Consortium presented the project status and results at selected major events like the meetings of Community of Users on Safe, Secure and Resilient Societies organised by DG HOME, the annual "Civil Protection Forum" organised by DG ECHO, annual European conferences on the topic.

Since the start of the project, and even before, by the time of this document preparation, eNOTICE was presented at the following events:

- Seventh Meeting of the Community of Users on Secure, Safe and Resilient Societies, CBRN-E Synergy Building, Workshop on CBRN-E networking. May 16, 2017, Brussels, Belgium. Speaker UCL, VESTA
- ENCIRCLE European CBRN Innovation for the Market Cluster, Workshop, September 7-8, 2017, Warsaw, Poland. Speaker WSU.
- Eighth Meeting of the Community of Users on Secure, Safe and Resilient Societies, Workshop on Network of Training Centres for CBRN and Crisis Management. September 14, 2017, Brussels, Belgium. Speakers – UCL, VESTA
- European Defense Agency, CBRN CapTech meeting, October 19, 2017. Speaker UCL
- Security Research, Innovation and Education Event (SRIEE 2017), the Security Research Conference Workshop of the 'Practitioner-Technologist dialogue on

innovation in security research': Establishing the Rules of the Game. November 14-15, 2017, Tallinn, Estonia. Speaker – UCL.

- Tenth Meeting of the Community of Users on Secure, Safe and Resilient Societies, 8th March 2018 Brussels. Presenter – UCL
- Eleventh Meeting of the Community of Users on Secure, Safe and Resilient Societies, Ad-Hoc Workshop On Practitioners' Networking 7th June 2018 Brussels. Speakers – UCL, VESTA
- eNOTICE Joint Activity field exercise Bio Garden organized by UCL, June 19-20, Peutie-Vilvoorde, Belgium:

- large dissemination of the project to multiple external stakeholders – practitioners, policy-makers, industry, in the preparation of the exercise and during it;

- policy meeting on June 20 with the EC DGs representatives – DG HOME, DG DEVCO, DG ECHO

- eNOTICE ENCIRCLE collaboration meeting
- EMT European Regional Meeting on Strengthening the Emergency Medical Teams initiative For All-Hazards Emergencies Preparedness, Alert and Response. Emergency Medical Team Regional Meeting, WHO European Region, 17-18 April 2018, Brussels, Belgium. Presenter - UCL
- Young researchers' day 2018 Faculty of medicine and surgery University of Rome TorVergata https://biomedicinaeprevenzione.uniroma2.it/news_en/07-marzo-2018giornata-dei-giovani-ricercatori. Relevance to eNOTICE project: opportunity to show how CBRN TC can be useful for training of healthcare personnel on CBRN, as well as, for researchers who are working on biological hazardous materials. Poster presentation - UNITOV
- Introduction to the activities related to the CBRNe Master Courses 20-24 November 2017. Audience: students (from public entities military, firefighters, police, researchers...) of the first and second level master course, are usually already working in the CBRNe field, or, will be active in this environment after attending the Master courses. Oral presentation UNITOV
- Meeting at the EOD COE (Explosive Ordnance Disposal Centre of Excellence, 911 01 Trenčín Slovak Republic March 3, 2018, https://www.eodcoe.org/en/ The EOD COE offers CBRNe courses dedicated (only) to the specific topic of improvised explosives devices, therefore it has a strong interest in CBRN Training. Oral presentation and open discussion – UNITOV
- Emergency Medicine Conference Abu Dhabi, UAE 23-25/10/2017. The conference was organized by the Emergency and Public Safety Directorate (Abu Dhabi Police), which has a strong interest in CBRNe training for its operators. Presenter UNITOV
- International CBRN Congress, 5-7 December 2017, Ankara, Turkey. Networking purposes, presenter METU.

- Turkish Armed Forces Konya CBRN Training School, 9 February 2018, Konya, Turkey. Presenter METU.
- Seminar on Serious Games and eNOTICE at Master CBRNe Tor Vergata, 22 June 2018, Rome, Italy. Presenter - METU.
- UK CBRN strategic briefing, 27th February, 2018. 100 attendees, leads for CBRN nationally in UK policing. This conference was aimed at key decision makers in CBRN for emergency service provision. eNOTICE project presentation, speaker WMP
- Counter Terror Security Expo London Olympia, 7th March 2018.
 www.counterterrorexpo.com. eNOTICE was presented at 2 day exhibition stand to a broad range of end users, industry, academia and policy makers. The National CBRN Centre had a stand at the event. Presenter WMP
- Carriage of dangerous goods working group, 22nd May 2018, Stratford Upon Avon, UK. UK emergency service and policy group who meet to discuss safety, security and PPE relating to hazardous substances in transport. Oral presentation of eNOTICE, presenter – WMP.
- Hazmat conference, 23rd May 2018 www.the-ncec.com. Networking, discussions to a range of end user, policy, industry about the project. Presenter WMP.
- Working meeting with Head of OSCT CBRN Home office (office for security of counter terrorism) on the UK CBRN action plan, 14th June 2018. Speaker WMP.
- Joint Activity Meeting in Nimes, France, January 2018. Presenter ARMINES
- Rencontres scientifiques « Nîmes-Ales » Nîmes, March 2018. Presenter ARMINES
- Joint CBRN Defence Centre of Excellence Internal Semi-Annual Evaluation, 19 January 2018, Vyškov (Czech Republic). Oral presentation of the current status of the project. Presenter – JCBRND CoE
- Visit to Seibersdorf Laboratories and Academy, 11 12 April 2018, Seibersdorf (Austria). Oral presentation of the project as part of an overall briefing about the Centre's European activities; followed by Q&A. Presenter JCBRND CoE
- Spring Steering Committee Meeting, 18 19 April 2018, Vyškov (Czech Republic). High relevance to the project (the Steering Committee is the approving body for the activities in the project). Short PowerPoint presentation on the current status of the project, its activities and funds. Presenter – JCBRND CoE
- Joint CBRN Defence Capability Development Group Meeting, 23 26 April 2018, Athens (Greece). Networking, discussions with representatives from different NATO and NATO Partner Nations. Speaker – JCBRND CoE
- Joint CBRN Defence Centre of Excellence Internal Semi-Annual Evaluation, 21 June 2018, Vyškov (Czech Republic). Oral presentation of the current status of the project. Presenter – JCBRND CoE
- NATO Centres of Excellence Directors' Annual Conference, 10 11 July 2018, Prague (Czech Republic). This is the event of high relevance to the project and high visibility.

eNOTICE was presented along with the collaboration with DG DEVCO. Presenter - JCBRND CoE

- Presentation for a delegation from Shanghai, 26. November 2019, SIC
- Digitalization for civil safety workshop with the interior ministry Niedersachsen (in Germany) and the German firefighter research association (vfdb e.V.), 23. January 2020
 SIC

The Joint CBRN Defence Centre of Excellence presented the project and discussed its relevance at various military meetings in order to encourage other institutions to join the network or the project's activities.

- Internal meeting at Umea university on CBRNE and medical caretaking, December 20, 2017. Presentation of eNOTICE to national, regional and local stakeholders and practitioners, both first responders and more strategic stakeholders. Presenter UMU
- Joint US/Nordic workshop on Nuclear Security and Forensics. Invited to talk about European networks in the CBRNE area, January 18-19, 2018. Presentation of the project to organisations and agencies responsible for RN incidents in US, Scandinavia, the Baltic states, Russia and Ukraine. Presenter – UMU
- Seminar for all Swedish actors in the CBRNE area, January 24-25, 2018. Project objectives and status presentation to fifteen the national agencies with responsibility in the area, regional and local practitioner organisations like fire brigades, hospitals, police force, research institutes, relevant departments. Presenter UMU
- STAC-CBRNE workshop for the Council of the Baltic Sea States, February 13-14, 2018.
 Presentation and discussion with representatives from the Baltic Sea States and from agencies or organisations with responsibility to respond to a CBRNE incident. Speaker UMU
- A national conference on chemical incidents in Sweden with experiences and lessons learned, March 14-15, 2018. Project presentation and discussion with stakeholders and first responders at governmental to local level. Speaker UMU
- The Swedish Supreme Commander who wanted an update of activities in the CBRNE area visited our center, April 17, 2018. Presenter UMU
- National seminar on a B-scenario for the transport sector, May 7-8, 2018. Project presentation and discussion with national agencies responsible for safety and security in CBRNE incidents, first responders. Presenter UMU
- Firefighter research day at the Institut der Feuerwehr NRW (IdF NRW), Münster, Germany, March 22, 2018. Project presentation, speaker UPB.
- Toxi-Triage project meeting, Athens (Greece), February 27-29, 2018. Link with other projects, internal meeting to prepare 2 field exercises for testing the Toxi-Triage developments, participation as external expert to exchange vision, ideas and eNOTICE experience on the organisation of field exercises for testing. Added value of the participation (bi-directional): for Toxi-Triage: useful discussions and sharing of eNOTICE expertise as input to improve the organisation of the exercise, for eNOTICE:

useful insights in the process (challenges, good practices) of organising an exercise for testing. D4.1 - Templates for the preparation and organisation of eNOTICE Joint Activities, was shared with the Toxi-Triage project coordinator, Paul Thomas. An internal report, with lessons learnt for eNOTICE, was shared with all eNOTICE partners.

- Toxi-Triage Expert Evaluation Panel in Moreton-in-Marsh (UK), April 16-17, 2018. Link with other projects, presentation of the Toxi-Triage field exercises Focus (Greece, oct. 2018) and Disperse (Finland, May 2019) to an Evaluation Panel of experts composed of UK first responders, authorities and experts from EU projects. All experts provided feedback and shared their vision to optimise the field exercises for best possible conditions for testing. Added value of the participation (bi-directional): for Toxi-Triage: useful discussions and sharing of eNOTICE expertise as input to improve the organisation of the exercise, for eNOTICE: presentation of the project to an audience of UK first responders, useful new insights from the discussions with a group of 30 experts. An internal report, with lessons learnt for eNOTICE, was shared with all eNOTICE partners (by mail and available on SharePoint).
- eNOTICE report within "CBRN cross border cooperation" in the Nord district Fire & Rescue Department, France. Speaker – SDIS77
- Workshop on Civil-Military Cooperation in the Field of CBRNe, 3rd December 2018 Brussels. Speakers – JCBRND CoE presentation on the JCBRN Defence COE encompassing its outreach to civil / military co-operation, training and research aspects, UCL promotion of eNOTICE as an example project of civil-military cooperation
- 12th meeting of the Community of Users on Secure, Safe and Resilient Societies, Ad-Hoc Workshop On Practitioners' Networking 4th December 2018, Brussels. Speakers UCL, VESTA.
- Security Research Event (SRE2018), December 5-6, 2018, Brussels, Belgium. UCL, VESTA.
- European Schoolnet Experts' seminar on evidence-based development of serious games for the educational sector: challenges and perspectives, 9th September 2018, Brussels, Belgium. Presenter - METU
- Bundeswehr CBRN Defence Command Commanders Conference, 23rd to 24th December 2018, Bruchsal, Germany. Request the Commander to join eNOTICE by tasking the German School for CBRN Defence and Environmental Protection, located in Sonthofen, Germany. Presenter JCBRND CoE.
- JCBRN Defence COE Annual Evaluation, February 5, 2019, providing further insight to the eNOTICE project and promote the CoU events to other departments of the Centre.
- Bundeswehr CBRN Defence Command Commanders Conference, February 13 14, 2019, Bruchsal, Germany. Update on eNOTICE activities and stress on the additional benefit for the Command as well as for the project by having joint EU project.
- eNOTICE Joint Activity JCBRND COE's I-RAPTER radiological training course organized by JCBRND COE, February 25 March 1, 2019, Vyškov, Czech Republic.

Dissemination of the project to the course participants and invited external stakeholders – practitioners, R&D projects representatives.

- Workshop on international cooperation, topic crisis management and forest fires, September 25, 2018, Dortmund, Germany. Presenter - FDDO
- Training of leading positions in emergency management (internal workshop), October 8, 2018 Dortmund, Germany. Presenter FDDO
- Use of new technologies in crisis management internal meeting of Directorate of FDDO, November 9, 2018, Dortmund, Germany. Presenter FDDO
- New concepts and technologies in CBRNe situations, presentation at the University of Braunschweig, November 12, 2018, Germany. Presenter FDDO
- Bilateral discussion between FDDO and crisis management members in Cape Town, South Africa, November 17, 2018.
- Training of leading positions in emergency management (internal workshop), December 4, 2018, Dortmund, Germany. Presenter FDDO
- Management of large scale events workshop with students and PhDs from Wroclaw (Poland) December 21, 2018, Dortmund, Germany. Presenter FDDO
- Training of leading positions in emergency management (internal workshop), January 14, 2019: Dortmund, Germany. Presenter FDDO
- Innovation for Crisis Management conference, September 3-4, 2018, Warsaw, Poland. Representation of eNOTICE at the workshop and poster presentation by WSU and CNBOP-PIB
- United Nations International Strategy for Disaster Reduction (UNISDR) meeting, October 24-25, 2018, Turin, Italy. Presenter VESTA.
- Public Safety Communication Europe (PSCE) Conference, December 12-13, 2018, Bled, Slovenia. Presenter VESTA.
- Belgian Knowledge Centre of Ministry of Home Affairs (KCCE) meeting, January 21, 2019, in Brussels, Belgium. Presenter VESTA.
- Meeting of the Joint Staff for Security and Defense of the Ile de France zone, France, November 20, 2018: eNOTICE was presented and discussed by SDIS77 for the preparation of the next multidisciplinary training in May 2019
- Advanced chemical HAZMAT technical advisor course in National School of Firefighters Officers (ENSOSP), France, January 14, 2019. Presenter SDIS77.
- Crisis Management Innovation Network Europe I4CM / DRIVER + conference, September 3-4, 2018. Speakers – WSU and CNBOP-PIB
- Presentation and promotion of the project to UK national multi emergency service, industry and policy nuclear working group, the national tactical advisor multi agency conference, UK National exercise with CBRN focus, Counter Terrorism International team - WMP

- Poster presentation at the 4th International Workshop on CBRNe Countering Radiological and Nuclear Threats, in collaboration between the International CBRNe Master Courses. November 8, 2018, Rome, Italy. https://sievertacademy.com/iw2018/
- Presentation at the H2020 MELODY project Kickoff meeting, November 12-13, 2018, Brussels, Belgium. UNITOV
- 13th Meeting of the Community Of Users on Secure, Safe And Resilient Societies, Thematic Group 2 – CBRN-E, Sub-Theme – Civil-Military and International Cooperation, March 26-27, 2019, Brussels, Belgium. Co-chaired by UCL and JCBRND COE.
- Networks of Practitioners meeting, 29 March 2019, Brussels, Belgium. Discussion on eNOTICE role and place in the networks of practitioners, presentation of network plans and dissemination. Speaker UCL
- The EU CBRN Risk Mitigation Centres of Excellence Initiative 7th International Meeting of the National Focal Points, 12–14 June 2019 – La Dolce, La Hulpe, Belgium. Oral presentation of eNOTICE project and network plans for the regional meeting. Speaker – UCL.
- CT Expo, March 5-6, 2019, Olympia, London. Project introduced to a 'joint organisational learning working group', showing to JESIP team and discussion at UK National CBRN Centre stand. Speaker WMP
- Operational command course, March 25-28, 2019, UK National CBRN Centre. Verbal introduction to eNOTICE and newsletter available at the multi-agency command course for CBRN, Operational commanders, opportunity to make them aware of the project, and the TC catalogue. Speaker – WMP
- CBRN summit, April 9, 2019, Birmingham, UK. Discussion with CBRN training centres to make them aware of eNOTICE. Speaker WMP
- TOXI-TRIAGE Field Exercise in Mikkele, Finland, May 2019 and DRIVER+ IONORE2019 Trial, Austria, September 2019, - observer to share lessons learnt and discuss good practices for the organisation of exercises combined with testing. For both activities, an evaluation report was elaborated which was highly appreciated by the hosting consortia. Speaker – VESTA
- Meeting in Smith Detection, April 3, 2019, introducing eNOTICE within the JCBRN Defence COE Command Brief, Speaker JCBRND COE
- April 9-10, CBRNe Summit Birmingham/UK, Introducing eNOTICE within the JCBRN Defence COE presentation. Speaker JCBRND COE
- April 17, JCBRN Defence COE Steering Committee Meeting, extra Presentation on eNOTICE to all 14 SC-Nations representatives. Speaker JCBRND COE
- June 6, Visit Specialist Response Solution, Introducing eNOTICE within the JCBRN Defence COE Command Brief. Speaker JCBRND COE
- 12th to 14th June, EU CBRN Risk Mitigation Initiative annual Meeting, promoting eNOTICE in side-talks, e.g. with DG DEVCO (Eddie Maier). Speaker JCBRND COE

- June 25-27, NCT Europe, Vienna, Austria, presentation of eNOTICE within the JCBRN Defence COE brief, promoting eNOTICE in side-talks Speakers – JCBRND COE, UNITOV
- July 19, 2019 Seminar Yale Environmental Health & Safety, experience exchange with US Stakeholders and health & environment experts, presentation. Speaker – UNITOV
- Presentation at BULLSEYE project kick off, Warsaw, Poland, April 2019. Speakers WSU and CNBOP-PIB
- Poster presentation at IFRE (International Trade Show) Kielce, Poland, May 2019. Speaker – CNBOP-PIB
- Seminar Department of Computer Engineering, Hacettepe University (Turkey), 17 April 2019,
- Talk with demonstration of the serious games developed for eNOTICE METU;
- Conference CBRNE Research & Innovation, Nantes (France), 20 23 May 2019, oral talk with presentation of eNOTICE serious games-related research "Serious Gaming in CBRNe Domain: A Survey on User Expectations, Concerns and Suggestions", speaker METU;
- Seminar Digital Utopias + Game Technologies, Istanbul, Turkey, 24 June 2019, presentation and demonstration of the serious games developed for eNOTICE, speaker
 METU
- EU CBRN Centres of Excellence Initiative, Seventh Meeting of the Heads of Regional Secretariats, 27 to 28 November 2019, Brussels, Belgium: oral presentation "The Trilogy 'NATO JCBRN Defence COE - EU CBRN CoE - EU eNOTICE project: Testbed for EU-NATO & Civil-Military external Cooperation", Speakers - JCBRND COE and UCL.
- Security Mission Information & Innovation Group (SMI2G), January 29-30, 2020, Brussels, Belgium. Pesentation of eNOTICE at the panel for the networks of practitioners. Speaker – UCL
- September 4, Bundeswehr CBRN Defence Command Commanders Conference, update Presentation on eNOTICE activities. Speaker JCBRND COE
- September 10-14, 2019, DRIVER+ Trial IONORE, participation as external observer of the Psychological First Aid PFA-module developed by DRIVER+, Eisenerz, Austria
 VESTA
- September 17-19, CBRN Advisors Conference, Prague, Czech republic, promoting eNOTICE in side-talks Speaker JCBRND COE
- October 8-9, JCBRN Defence COE Steering Committee Meeting, update Presentation on eNOTICE to all 14 SC-Nations representatives Speaker JCBRND COE
- Workshop on Policy and Diplomacy for Scientists: Introduction to responsible research practices in chemical and biochemical sciences, 9-13 September 2019, Adriatic Guesthouse (AGH), Kastler Lecture Hall, Trieste (Italy), experience exchange with

Scientists from National Research centers and Universities, presentation. Speaker – UNITOV $% \mathcal{T}_{\mathrm{S}}$

- Mediterranean Security conference, 28-30 October, 2019, Greece, presentation of eNOTICE at the dedicated session for EU funded networks, member of the panel. Speaker VESTA
- eNOTICE-PROACTIVE meeting in Rome and Rieti, Italy, 19-20 November 2019 VESTA
- NO-FEAR workshop in Rome, Italy, 21-22 November 2019, VESTA
- Stairs4Security workshop in Rome, Italy, 23 November 2019 VESTA
- PROACTIVE project meeting Londen, UK, 15-16 January 2020 VESTA
- NO-FEAR workshop in Tel Aviv, Israel, 14-17 January 2020 VESTA
- October 21-24, NATO Framework Nations Concept (FNC) Cluster CBRN Protection, Sonthofen, Germany. Promoting eNOTICE in side-talks Speaker – JCBRND COE
- October 29, Coordination Meeting with the organizer of the CBRNe Summit Europe event (21 – 23 April, 2020 Brno, CZE). Promoting eNOTICE and got a common briefing slot on civ-mil coop Speaker – JCBRND COE
- November 11, visit of NATO MilMed COE at the JCBRND COE, Vyskov, CZE. Promoting eNOTICE in side-talks Speaker JCBRND COE
- January 15, Bundeswehr CBRN Defence Command Commanders Conference, update Presentation on eNOTICE activities. Speaker JCBRND COE
- January 30, Visit CAN Ambassador at the JCBRND COE, promoting eNOTICE within the JCBRND COE Command Brief Speaker JCBRND COE
- February 5, JCBRND COE Annual Evaluation, Vyskov CZE, update on eNOTICE activities and promoting future JAs

All the events related to eNOTICE (meetings, Joint Activities...) are announced and reported on the project Twitter, Facebook, LinkedIn accounts and partners' websites, e.g. UNITOV CBRNe Masters' website.

The public dissemination accounts on Twitter and Facebook and maintained and edited by SIC.

The eNOTICE Consortium regularly monitors relevant events that would constitute a good venue for the project's promotion.

A large dissemination event – a Dissemination Workshop of eNOTICE together with four other GM-21 networks of practitioners FIRE-IN, NO FEAR, MEDEA, DAREnet – is planned at the INTERSCHUTZ Fair <u>https://www.interschutz.de/en/</u> on June 18, 2020. All five consortia are actively preparing the setting and contents of the workshop which targets dissemination to large groups of practitioners and industry representatives participating in INTERSCHUTZ.

2.2.7 Collaboration with other Projects

eNOTICE effort on building the network of CBRN training centers attracts attention of various stakeholders, and current projects looking for collaboration and benefiting from the expertise

and training facilities provided by eNOTICE. So far, eNOTICE is in regular contact with the following national and European projects funded by H2020 programme in DG HOME, ESA, EDA, DG DEVCO that deal with CBRN technology development, research, networking, policy, training, standardisation, marketing.

Project Acronym and full title	Project coordinator	Project website	Relation to eNOTICE partners	Rationale for contact
ENCIRCLE – European CBRN Innovation for the Market Cluster	UCL, Belgium	http://encircle- cbrn.eu/	UCL is the coordinator, in charge of developing Practitioners and Customers Community	Complementary strategy and networking between CBRN Cluster of technology developers and CBRN training centres and practitioners
TOXI-Triage (finished in December 2019)	Loughborou gh University, UK	http://toxi- triage.eu/	UPB was a partner in charge of requirements analysis, VESTA was in regular contact	eNOTICE methodology for exercises preparation was partially used by Toxi-Triage
FIRE-IN – Fire and Rescue Innovation network	SAFE Cluster		CNBOP-PIB is a partner	Collaboration with a network of practitioners and FIRE-IN CBRN component, planning of joint events
MELODY	SCK-CEN, Belgium	https://melody. sckcen.be/en	VESTA, UNITOV	Participation in each others' events, exchange of expertise
ILEAnet - Innovation by Law Enforcement Agencies networking	Ministry of Interior, France	https://www.ile anet.eu/	VESTA is the interfacing partner, working closely with them as End User Manager in SHOTPROS	Collaboration with a network of practitioners in the field of law enforcement
I-LEAD Innovation - Law Enforcement	Dutch National Police	http://i-lead.eu/	VESTA is the interfacing partner, working closely with them as End	Collaboration with a network of practitioners in the

Agency's dialogue			User Manager in SHOTPROS	field of law enforcement
E2mC	eGeos, Italy	https://www.e2 mc-project.eu/	VESTA is partner in both projects	Exploring participation in a Joint Activity
Bullseye	Federal Public Service Interior – National Crisis Centre (Belgium)	https://www.bu llseyeproject.eu /	WSU is following the project's events, and points of collaboration	Participation in each other's events, exchange of expertise and lessons learnt
ESA IAP- ARTES 20 «Biological Light Fieldable laboratory for Emergencies» (B-LiFE)	UCL- CTMA	https://business .esa.int/projects /b-life	UCL is the coordinator	B-LiFE will be invited to the eNOTICE Joint Activity in June 2018, Brussels, to demonstrate sitcom and telecommunication solution for biological mobile capacity
INCLUDING	ENEA, Italy	https://includin g-cluster.eu//	JCBRND CoE is the interfacing partner, with support of UCL	One INCLUDING training center has joined the eNOTICE network. RN training centers will be explained advantages of being in both networks; INCLUDING will approach RN training centers using eNOTICE questionnaire
PROACTIVE	Union international e des chemins de fer (UIC), France	https://proactiv e-h2020.eu/	WMP is a partner in both projects	PROACTIVE Grant Agreement foresees all three its exercises with eNOTICE training centers. The conditions of cooperation are fixed and signed by both projects.

TERRIFFIC	ARKTIS Radiation Detectors, Switzerland	https://www.ter riffic.eu/	Link through CBRN Cluster part a) ENCIRCLE	TERRIFFIC participated in the eNOTICE JA in Gurcy on May 22-23, 2019, and is invited to do more of its exercises with eNOTICE training centers to demonstrate and test its developed technology with practitioners
SHOTPROS – VR training for first line police	USECON, Austria	https://shotpros .eu/	VESTA is partner in both projects, they participate in the eNOTICE JA in May 2020 at Vesta	Participation in each other's events, exchange of expertise and lessons learnt
CBRN TRAINING NET - DG DEVCO CBRN CoE project	DG DEVCO CBRN CoE project		UCL is in contact with the project leaders	Participation in CBRN TRAINING NET events, training to fill eNOTICE questionnaire, inclusion of training centers that fill the questionnaire into eNOTICE catalogue

Ethical, security and data privacy compliance in dissemination

The project activities require voluntary participation in:

- Joint Activities field exercises, table tops, serious gaming and simulations organized by the project.
- Policy Meetings gathering policy makers representatives, where all participants are always explained the purpose of the meeting, receive the questions to be discussed in advance, and are encouraged to express their own point of view and not necessarily on behalf of their organization.
- Annual Workshops with training centers representatives, practitioners, industry and research actors who are members of the network or of the larger community.
- Questionnaires and interviews semi-structured or open conversations around questions about crisis management, collaborations with others, practices of information sharing, ethical, legal and social challenges, opportunities for 'better' emergency service provision.

- Participant observation to understand the practicalities of work, involving shadowing an individual or group, or observing interaction (e.g. during training or an exercise). We may transcribe communications to share with colleagues and analyse in more depth.
- Information Resource research collection and analysis of the information materials participants use in their work, including analysis of data sets and internal post-disaster reports with permission by the author/owner

All participants are healthy adults of sound mind. All project findings are anonymised for the public (unless otherwise agreed with participants through the Informed Consent Form signature) (D1.1 POPD Requirement No.7).

Since eNOTICE project takes advantage of the existing training activities, that the project partners open up to the project other partners and external experts, in eNOTICE project there is a clear distinction between the following three types of participants in Joint Activities:

- Practitioners and training professionals participating in the exercises regularly organized by an eNOTICE project partner Training Centre as part of its usual training curriculum. These participants are managed by the standard rules and regulations normally applied by this Training Centre for this type of training activities. No special informed consent is required from eNOTICE project for this type of participants, as there is no contractual or any other legal link between eNOTICE project and these participants.
- eNOTICE project partners representatives of Training Centres and R&D partners. All project partners are supposed to take part in every Joint Activity, and their participation is regulated by all the conditions of the project Grant Agreement, Consortium Agreement and the rules of corresponding exercise hosted by one of the partners.
- Experts external to the project, invited to a Joint Activity as observers, advisors, technology developers, policy-makers, scientists, etc. It is exactly this type of participants who will receive and sign the Informed Consent Forms (including Data Processing Consent Forms) and Information Sheets with the detailed explanation of the exercise objectives, expected outcome, any special requirements for participation and practicalities.

Informed consent is sought for research activities, normally by asking participants of the third type to sign a written Informed Consent Form, based on a participant Information Sheet (see D1.1) that outlines the information about the exercise, objectives, procedure, expected outcomes and data to be processed. In the circumstances where informed consent cannot be documented by signing the Informed Consent Form – for example, for an ad-hoc interview during an exercise, informed consent may be documented by audio or video recording. eNOTICE partners ensure that risks are discussed with participants in order to secure proper informed consent.

Overall, eNOTICE is not considered as a security sensitive project. eNOTICE does not use or share any classified information, exchange of information through the eNOTICE instrument will not deal with national security-sensitive nor defence-sensitive information. All dissemination events are subjected proactively to a security analysis aiming at preventing the release of potentially classified information in open sessions. Reports from dissemination events are also subjected to security scrutiny before release. To prevent any accidental disclosure, security aspects are continuously monitored during the project, and compliance is ensured by top security officers with highest security clearance staff. The internal Security Advisory Board (SAB) consists of three eNOTICE consortium members tasked to check each deliverable to assess sensitivity of the information to be published, and to decide upon the deliverable status in case any security-sensitive information is contained.

The eNOTICE consortium places high value on the need to protect the dissemination target audience data security and privacy. The approach to protection of personal data in eNOTICE, that the project must comply with, is described in detail in Deliverable 1.1 - POPD Requirement No.7.

The ethical standards of Horizon 2020 are rigorously applied, regardless of the country in which the eNOTICE Joint Activities are carried out. The eNOTICE consortium is aware of potential ethical, fundamental rights, privacy and data protection implications that may be identified in the course of the Project and is fully committed to adhere to and promote the highest ethical, fundamental rights and legal standards, as recognized at the European Union and at the international level, in the eNOTICE activities and project results.

Basically, the project adheres to the following principles in data collection and project findings dissemination:

- eNOTICE protects the target audience contacts data gathered during the project and restricts access to it to those who have a need to know, unless prior consent is provided to pass them on to third parties.
- The database of eNOTICE dissemination contacts with all the contact details like names, email addresses and telephone numbers, is available only to eNOTICE consortium members, and is never made publicly available on the eNOTICE website or any public report. The General data Protection Regulation (GDPR) from 25.5.2018 is applied to sending out the project information to those dissemination contacts that expressed the wish to receive information from the project. The database of dissemination contacts is kept by the dissemination manager in UCL, is available to the project consortium, and is never made public. The project information is sent out to dissemination contacts with the professional or private email addresses hidden.
- The reports from eNOTICE Joint Activities, workshops, and the final conference do not contain any names, and statements are not credited unless the concerned individual gives his/her explicit consent to be quoted.
- The reports from eNOTICE Joint Activities, workshops, and the final conference do not contain any shots of individuals unless the concerned individual gives his/her explicit consent to have a photo contained in the report.
- The privacy opt-ins and opt-outs are set by the Informed Consent Forms to be distributed and signed before eNOTICE Joint Activities, workshops, and the final conference when registering for the events.