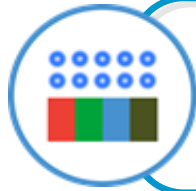




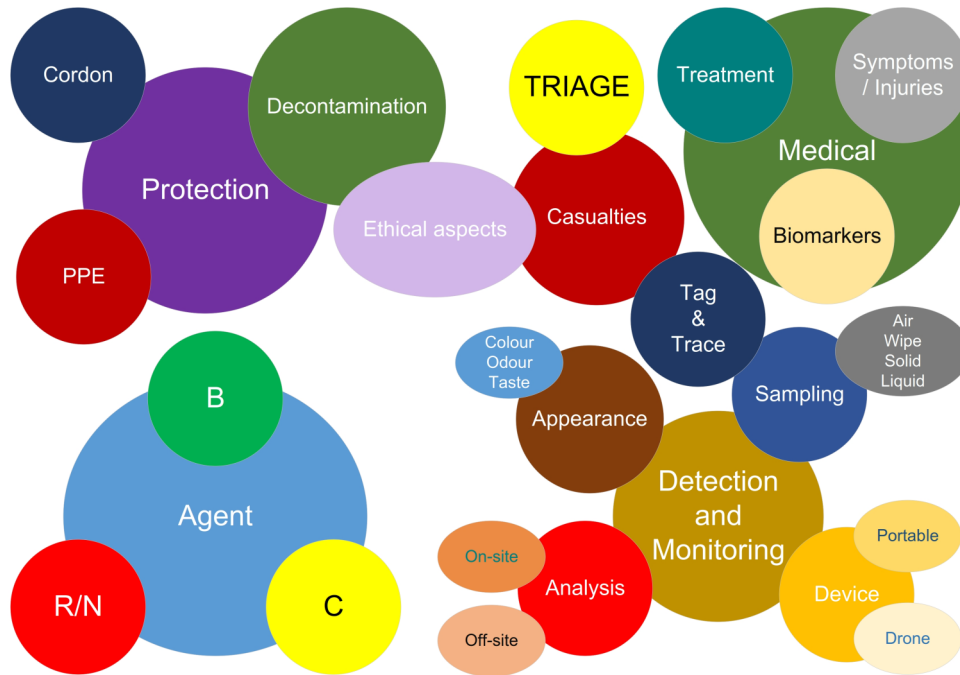
This project has received funding from the European Union's Horizon 2020 Grant 653409



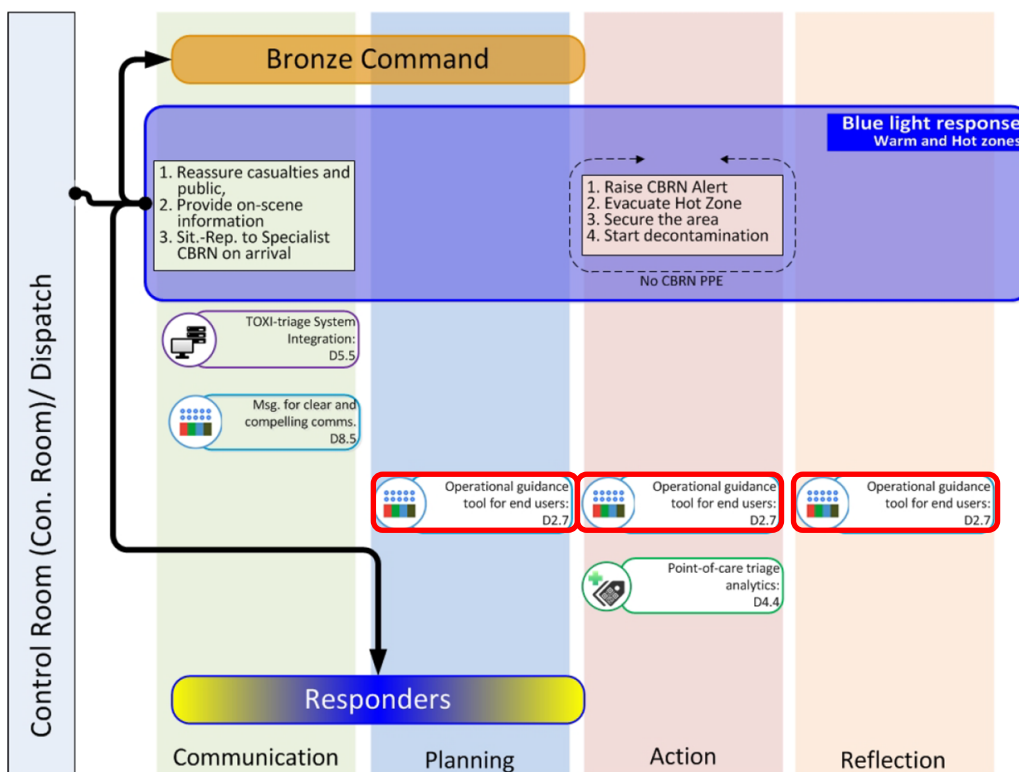
Operational guidance tool for end users: D2.7



TOOLBOX



Operational guidance tool for end users



The Accimap schematic at left shows the position of **Deliverable D2.7 Operational guidance tool for end users** in the concept of operations (CONOPS).

The Toolbox will be used by Blue Light Responders in Hot/Warm Zones and informs personnel in Bronze and Silver command levels. This deliverable provides tools and guidelines for different aspect in CBRN event.

TOOLBOX

Technology:	CBRN end-user Toolbox is a software and database for CBRN incident management
Partner:	University of Helsinki (UH) and ATOS
Desired operational effect:	Blue Light Responders in Hot/Warm Zones and personnel in Bronze and Silver command level get practical information for the CBRN event management

Why is this technology helpful?

The **CBRN end-user Toolbox** is meant for use of Blue Light Responders in Hot/Warm Zones and personnel in Bronze and Silver command levels, medical hospitals (e.g. first aid) and off-site analytical laboratories. It contains data of CBRN agents, detection/monitoring, protection, triage and medical aspects. It also includes training material for Blue Light Responders. It includes guidelines in visual form easy to access.

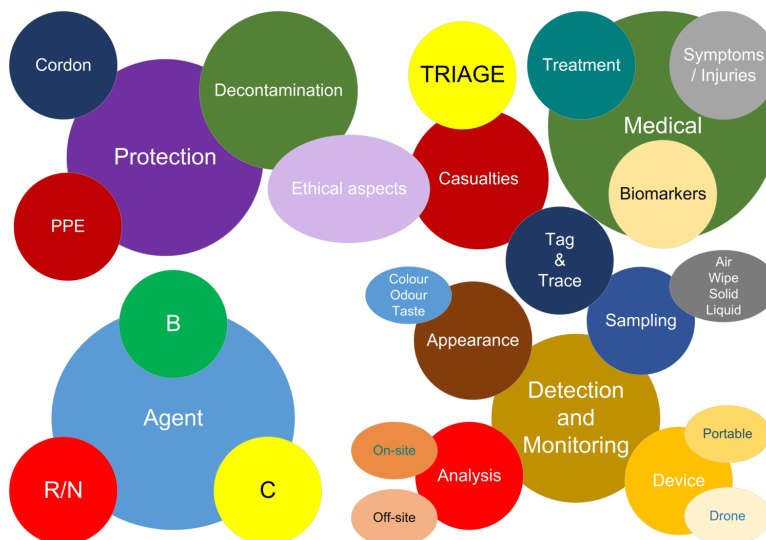
What does this technology do?

CBRN end-user Toolbox will be used by Blue Light Responders in Hot/Warm Zones and personnel in Bronze and Silver command levels. The Toolbox includes information and guidelines for CBRN event training and management.

How does this technology work?

This software will work at least Windows based programmes. Most likely it is accessible also with any networking device with network browser.

Database contains data of CBRN agents; detection/monitoring e.g. manuals and guidelines for devices; protection including cordon, PPE and decontamination of personal and equipment; triage of casualties including ethical aspects; and medical aspects including symptoms and treatment guidelines.



Data in the database can be searched against certain criteria's, e.g. colour, physical state. **CBRN end-user Toolbox** is rich in training material providing e.g. videos how to dress protective suit correctly. Some material is easy to print for training purposes and for field manoeuvres.

TOOLBOX Factsheet

GENERAL

Company Details:

University of Helsinki, VERIFIN - Finnish Institute for Verification of the Chemical Weapons Convention
PO BOX 55 (A. I. Virtasen aukio 1)
FI-00014 University of Helsinki, FINLAND

Contact Details: Paula Vanninen, director

Email paula.vanninen@helsinki.fi
Phone +358 2941 50444
URL www.verifin.helsinki.fi

Portability Portable, needs computer or hand-held device

Unit Cost Not defined

Technology Software and database

Description CBRN end-user Toolbox

Availability after end of TOXI-triage project

Current Users under development

OPERATIONAL PARAMETERS

Detection n/a

Detection State n/a

Start up Time n/a

Alarms n/a

Response Time n/a

Selectivity n/a

Sensitivity n/a

PHYSICAL PARAMETERS

Size n/a

Weight n/a

Power Requirements n/a

LOGISTICAL PARAMETERS

Durability n/a

Environmental Considerations n/a

Shelf Life n/a

Consumables n/a

Calibration Requirements n/a

Repairs n/a

Repair Options n/a

Maintenance Costs n/a

SPECIAL REQUIREMENTS

Operator Skills Basic computer skills

Training Required No

Training Available No

Manuals Available Deliverable 2.7

Support Equipment

Communication Capability Same as host device

Tamper Resistance

Warranty No

Testing Information

Applicable Regulations

Summary of TOXI-Triage Technologies



Number	Detector name	Technology	Unit Cost (<500€ to >5k€)	CAS Detected (All to None)	TICs/TIMs Detected (All to None)	Sensitivity (1/10 ILDH for all CAS/TICs to No detection)	Resistance to Interferents (Responds only to Cas/TICs to Many Interferents)	Response Time (<10s to >2mins)	Start Up Time (<30s to >30mins)	Detection States (All states to no capability)	Alarm Capability (Audible and Visible to No alarm)	Portability (Handheld to >25kg)	Battery Needs (Standard to Specialised)	Power Capabilities (Battery to AC)	Operational Environment (All to Restricted)	Durability (Rough handling to Stationary)	Operator Skill Level (None to Specialist)	Training Requirements (None to >8hours)
D4.4	BreathSpec®	Breath Analysis	●	●	●	●	●	●	●	●	●	●	⊗	●	●	●	●	●
D4.1	ChemProDM	Stand off IMS detectors	●	●	●	●	●	●	●	●	●	●	⊗	●	●	●	●	●
D4.1	T4i DOVER™	stand-off GC-PID detector	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D4.1	mini-IMS	Stand off IMS detectors	●	●	●	●	●	●	●	●	●	●	⊗	●	●	●	●	●
D4.2	RanidFly	Stand off R/N	●	●	●	●	●	●	●	●	●	●	⊗	●	●	●	●	●
D4.3	HSI	Stand off detection	⊗	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D4.5	GDA-P	Personal IMS Detection	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D5.4	GDA-X	Stand off detection	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
D4.5	SLGE	Spray Extraction	⊗	●	●	●	●	●	●	●	●	●	⊗	⊗	●	●	●	●
D5.3	Tag and Trace—Triage	Casualty Tracking	●	N/A	N/A	N/A	●	●	●	N/A	●	●	●	●	●	●	●	●
D5.3	Tag and Trace Sample	Sample Tracking	●	N/A	N/A	N/A	●	●	●	N/A	●	●	●	●	●	●	●	●
D5.4	TOXIMOTIVE	Social Media	●	N/A	N/A	N/A	N/A	●	●	N/A	N/A	N/A	N/A	N/A	N/A	N/A	●	●
D5.5	Integrator		⊗	N/A	N/A	N/A	●	●	●	●	●	●	●	N/A	●	●	●	●
D2.7	TOOLBOX	CBRN end-user Toolbox	N/A	N/A	N/A	N/A	●	●	●	N/A	N/A	N/A	N/A	N/A	N/A	N/A	●	●

From To N/A

 Level at which the technology achieves this criteria