



## Press Release

06 June 2022

### The INGENIOUS 1st Full Scale Exercise and the 1st International Workshop on “Tools for the First Responder of the Future” were a success



The **INGENIOUS 1st International Workshop on “Tools for the First Responder of the Future”** and the **1st Full Scale Exercise (1st FSX)** took place in **Villejust, France**, on **Tuesday 24 and Wednesday 25 May 2022**, with interesting demonstrations of advanced technologies for First Responders and constructive discussions among experts in the field of Crisis Management and Security. The events generated great interest, attracting around 90 participants from Europe and worldwide.

During the hybrid Workshop, prominent speakers from industry and First Responder Agencies, both internal and external of the INGENIOUS consortium, as well as key experts from other European projects presented the latest technologies developed for First Responders. The Workshop was also honoured by the Mayor of Villejust, Mr. Igor Trickovski, who gave a brief and warm welcome to the participants.

The various smart sensors, systems and Augmented Reality technologies of which the **INGENIOUS Next Generation Integrated Toolkit (NGIT)** is composed, were demonstrated by the INGENIOUS technical partners through intriguing presentations, while the end users of the project highlighted the importance of having access to the appropriate technologies so that they can work safely and





effectively in the field. They also shared their impressions of the use of the INGENIOUS tools during the conducted testing activities as well as the user requirements approach of the project developed to identify and prioritize mission capability gaps.

Interesting **insights from the DRS-02 Cluster projects** funded by the European Commission under the same topic “Technologies for first responders” were offered during the second part of the Workshop. The 13 projects presented a variety of technologies being developed for both the first responders and the accompanying K9 Units to ensure a high level of protection, augmented operational capacity and boost their awareness. From wearable devices, robotics and smart drones to web-based and mobile applications as well as augmented and virtual reality platforms and mission critical systems, the enhanced technologies assist the First Responders to gather information quickly and reduce the time it takes to respond to emergencies with the ultimate goal of ensuring their safety. The projects shared best practices and experiences they gained in the development process and testing activities. The participating projects were: ASSISTANCE, CURSOR, FASTER, INTREPID, PathoCERT, RESPOND-A, ResponDrone, Search and Rescue, RESCUER, SIXTHSENSE, MED1stMR, TeamAware, NIGHTINGALE.

The **1st Full Scale Exercise (FSX)** demonstrated how the various tools and components of the INGENIOUS Next Generation Integrated Toolkit (NGIT) are integrated and used in combination to achieve an effective emergency response in a real scenario environment. The 2nd Prototype of the NGIT was tested in a large earthquake scenario near shore with cascading effects, e.g. destroyed/collapsed buildings, comms failure etc. The operational teams of practitioners used the technologies in realistic conditions providing valuable feedback to the techno-provider partners to further improve the tools in order to address their needs and develop the 3<sup>rd</sup> and final Prototype of the INGENIOUS Toolkit.

The presentations and recording of the workshop are available at <https://ingenious-first-responders.eu/the-ingenious-1st-fsx-and-the-1st-international-workshop-on-tools-for-the-first-responder-of-the-future-were-a-success/>

-----

## About INGENIOUS

**INGENIOUS** is a 42-month project funded by the European Union and the Republic of Korea under the Horizon 2020 Research and Innovation Programme. This research initiative develops an integrated, reliable and cost-effective technology solution that ensures a high level of protection and augmented operational capacity, assisting the First Responders in saving more lives with less risk. The **Next Generation Integrated Toolkit (NGIT) for Collaborative response of INGENIOUS** consists of state-of-the-art technological equipment integrated in the uniform, boots and helmet of the First Responder to facilitate seamless and resilient interconnectivity and boost her/his awareness. The NGIT includes, among other tools and components, wearables, communication and localisation components, sensors, add-ons delivering augmented reality functions, an advanced K9 vest, smart devices in the air and on the ground, such as self-exploring drones, multi-fusion and expert reasoning modules, web and mobile applications.





More information about the INGENIOUS technologies and activities are available on the [INGENIOUS website](#).

Follow us on **Twitter** ([@INGENIOUS EU](#)) or **LinkedIn** ([@INGENIOUS EU](#)) to be up-to-date.

#### NOTES TO THE EDITOR

<b>Project Duration:</b>	<b>1 September 2019 – 28 February 2023 (42 months)</b>
<b>Coordinator</b>	Institute of Communication and Computer Systems (ICCS)
<b>Consortium:</b>	<ol style="list-style-type: none"> <li>1. INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS (ICCS), Greece</li> <li>2. UNIVERSITEIT TWENTE (ITC), Netherlands</li> <li>3. DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV (DLR), Germany</li> <li>4. CS GROUP (DXT), France</li> <li>5. FUNDACION TEKNIKER (TEK), Spain</li> <li>6. EXUS SOFTWARE MONOPROSOPI ETAIRIA PERIORISMENIS EVTHINIS (EXUS), Greece</li> <li>7. SINTEF AS (SINTEF), Norway</li> <li>8. ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS (CERTH), Greece</li> <li>9. TOTALFORSVARETS FORSKNINGSINSTITUT (FOI), Sweden</li> <li>10. SATWAYS – PROIONTA KAI YPIRESIES TILEMATIKIS DIKTYAKON KAI TILEPIKINONIAKON EFARMOGON ETAIRIA PERIORISMENIS EFTHINIS EPE (STWS), Greece</li> <li>11. ALPES LASERS SA (ALPES), Switzerland</li> <li>12. TECHNISCHE UNIVERSITAET WIEN (TUW), Austria</li> <li>13. CY.R.I.C CYPRUS RESEARCH AND INNOVATION CENTER LTD (CYRIC), Cyprus</li> <li>14. UNIVERSIDAD POMPEU FABRA (UPF), Spain</li> <li>15. SINGULARLOGIC ANONIMI ETAIREIA PLIROFORIAKON SYSTIMATON KAI EFARMOGON PLIROFORIKIS (SLG), Greece</li> <li>16. KOREA INSTITUTE OF ROBOT AND CONVERGENCE (KIRO), Korea (Republic of)</li> <li>17. GOBIERNO VASCO - DEPARTAMENTO SEGURIDAD (ERTZ), Spain</li> <li>18. ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS (APHP-SAMU), France</li> <li>19. SODERTORNS BRANFORSVARSFORBUND (SBFF), Sweden</li> <li>20. I.S.A.R. GERMANY STIFTUNG GGMBH (ISAR), Germany</li> <li>21. Police Service of Northern Ireland (PSNI), United Kingdom</li> <li>22. ELLINIKI OMADA DIASOSIS ATTIKIS (HRTA), Greece</li> <li>23. TRILATERAL RESEARCH LIMITED (TRI), Ireland TRILATERAL RESEARCH LTD (TRI UK)</li> </ol>
<b>Financial Contribution:</b>	E.U.: 8.616.111,25€ Republic of Korea: 345.000,00€
<b>Contact person:</b>	<b>Dr. Angelos Amditis</b> (ICCS), Project Coordinator E-mail: <a href="mailto:a.amditis@iccs.gr">a.amditis@iccs.gr</a>

