

# MAGNETO NEWS

H2020 MAGNETO Project | Newsletter Issue #2 | 21 December 2020

## KATHOLIEKE UNIVERSITEIT LEUVEN (KUL)



KU Leuven (KUL) boasts a rich tradition of education and research that dates back six centuries and is currently the largest university in Belgium in terms of research funding and expenditure. KU Leuven Centre for Information Technology and Intellectual Property Law (CITIP) is a research centre at the KUL Faculty of Law, with a staff of over 60 researchers specialized in legal and ethical aspects of IT technology and innovation. CITIP is among the founding members of the Leuven Center on Information and Communication Technology (LICT) and of the Flemish digital research and incubation center iMinds that recently merged with imec, a world-leading research and innovation hub in nanoelectronics and digital technologies ([www.imec.be](http://www.imec.be)). CITIP has a solid track record as an ethical-legal partner in large international and interdisciplinary research projects and is internationally renowned for its expertise in the areas of data protection, privacy and information security law, new media and communications law, information rights management, and

intellectual

property rights. It is currently involved in more than 50 research projects, funded by the EU (FP7 and Horizon 2020), the Belgian Research Council, FWO, and various other parties. Detailed

information can be found on <http://www.law.kuleuven.be/citip/>. During the lifetime of the MAGNETO project, KUL guides the consortium towards the development of a solution compliant with the legal and ethical framework. The outcomes of the research undertaken will be elicited in further research proposals, in potential publications, presentations, and educational activities of CITIP.



## Training

Training delivery for Law Enforcement Agency (LEA) end users has had to adapt to the restrictions imposed by the impact of COVID-19. With no scope for face-to-face contact training will now be delivered remotely in two stages across the eleven LEAs in the MAGNETO consortium. The first stage is a self-contained tutorial with short video demonstrations of the modules that are integrated into the MAGNETO platform. These comprise of seven technical modules and one module covering legal and ethical considerations. This will give students the opportunity to introduce themselves to the platform and see an example of its operation. The videos are tailored to an audience of LEA analysts and will have a voice over commentary to explain each stage. There will be no requirement to access the MAGNETO platform at this stage of the training, but it will be available through a remote server for those students wishing to have a go. The second stage of the training will consist of Workshops incorporating a training seminar and an evaluation session. This will be an interactive session to consolidate the learning from the first stage and allow students to gain a deeper understanding of MAGNETO's capabilities. At the conclusion of training, it is intended that students are able to access the MAGNETO platform, perform content analysis, analyse the outputs, form conclusions, summarise their actions and understand the legal and ethical implications of MAGNETO. The workshop will conclude with an evaluation so that students can provide their feedback on the training with particular emphasis on ideas of how to deliver training in a COVID-19 environment. There will also be an opportunity to feedback on the MAGNETO platform to assist with ongoing technical development.

## Field Demonstrations

The objective of WP8, field demonstrations, is to present the MAGNETO platform to its end-users, the practitioners and front line officers from the eleven Law Enforcement Agencies (LEAs) that are members of the MAGNETO consortium. The work-package is cyclic by design, ensuring that each release is demonstrated to LEAs, feedback sort and documented, in order to drive the constant development of further iterations of the MAGNETO platform.

LEAs have been fully involved in MAGNETO since the project's start, from the construction of Use-Cases, enabling Technical Partners to appreciate the unique challenges that LEA officers face, to providing feedback to fellow consortium members as each release of the platform is demonstrated, further refined and developed. The LEAs contributions and commitment highlight the requirement for such tools in order to combat the ever-growing volume and complexity of data that criminal cases contain.

The close links forged between LEAs and technical partners have been maintained despite the restrictions imposed by Covid19, allowing the ongoing development and refinement of the MAGNETO components to continue. Technical partners and LEA representatives have collaborated to enable the platform to be loaded onto



## AJUNTAMENT DE SABADELL (SAB)



Ajuntament de Sabadell

**POLICIA**  
Municipal  
**Sabadell**



Sabadell is a medium-sized city with 213,644 h. and 37.79 km2, with 249 police officers and 12 administration personnel. The main goal of the organisation is to offer a public service that contributes to the maintenance of the well-being and security of the citizens by the free exercise of the rights and freedoms.

The Municipal Police must be a close and a quality service that integrates proactive policies of efficient work and proximity to the citizens. Professionalism and respect to the rules are the fundamental tool of our work, offering fair and equitable treatment for all, excluding any form of discrimination and guaranteeing respect for the dignity and diversity of people.

The Police of Sabadell is in charge and investigates most of the crimes that occur in the city -the rest are a competence of the Catalan police, "Mossos d'Esquadra"), that includes: traffic security felony, injury crimes, crimes against freedom and sexual freedom, crimes against the collective security (drug trafficking and drug use), etc., that are those with a higher prevalence in the city. Also, we have a special service to assist victims of different offenses, especially victims of gender violence, and a canine unit designated especially for drug cases.

The security in terms of reactive intervention is important, but the prevention is more important, because the philosophy is to try to solve problems before they occur. In fact, we have several prevention and awareness campaigns underway, including prevention workshops in schools.



In MAGNETO, the Local Police of Sabadell provides data to test different scenarios and also acts as an end-user, providing feedback to improve the different tools of the platform, with the expectation that the platform will help us to work more efficiently and reduce the offenses with an adequate prevention and intervention if needed.

the hardware held by LEAs. Enabling MAGNETO to leave the research labs of technical partners and be set to enter the high-tech crime units of consortium LEAs across Europe.

Future deliverables within the work package will see the MAGNETO platform deployable to LEAs beyond the MAGNETO consortium.

### Ethical and Legal Framework

KUL is involved in the work under WP9 on the legal and ethical frameworks relevant for the MAGNETO platform, WP1 and WP11 on research ethics and WP5 on evidence handling and. In particular, WP9 Ethical and Legal framework, led by KUL with contributions by CBRNE, provides a detailed analysis of, amongst other, the risks surveillance and forensic tools carry for fundamental rights like privacy, data protection and due process, data protection principles and safeguards in law enforcement, and ethics considerations concerning surveillance and research governance. Moreover, under WP9, a legal and ethical impact assessment, including a Data Protection Impact Assessment (DPIA) for law enforcement authorities as well as an Ethical and Misuse Risk Assessment, is developed. The work takes into account the MAGNETO tools and data processing activities therein, as well as the MAGNETO safeguards, in order to deliver well informed templates to be further developed when the platform is deployed. In terms of ethical requirements for research, the MAGNETO project is equipped with a Data Management Plan (DMP) as well as the dedicated WP11, whereby the Consortium is informed on data protection safeguards for research as well as misuse and dual-use risks and mitigation measures. Most recently, KUL contributed in the development of the court-proof forensic evidence toolset, whereby the conditions for evidence admissibility, reliability and interpretability are elaborated upon. Before the completion of the MAGNETO project in April 2021, the remaining work within the Ethical and Legal Framework entails a final version of the DMP, ensuring the proper handling of research data, as well as the final version of the legal and ethical impact assessment including a checklist of legal requirements implemented in the MAGNETO technical design. In addition, recommendations will be formulated for the deployment of MAGNETO-like systems and for policy makers on the basis of potentially identified legal gaps or barriers.

### MAGNETO 2020

2021 will be the last year of MAGNETO Project. After identifying LEAs requirements and mixed them with innovative capabilities of the consortium, a huge set of research tools have been designed by the partners. We are currently in the main test phase by organizing demonstration of MAGNETO capabilities on different LEAs cases of our consortium. MAGNETO LEA partners are testing the MAGNETO platform from their own premises to respect data privacy and security and prove that MAGNETO platform is integrated in LEAs processes. It also improves the central question of tool acceptance as it leverages the unit habits.

Following our last straight line, we will deploy the final version of the platform and demonstrate it as widely as possible with a final wide event.

All MAGNETO partners are very pleased to wish you pleasant, safe and healthy end of the year celebrations!

**Dr. David Faure**

Scientific & Technical Coordinator of MAGNETO project



*Season's Greetings*

