

H2020

- Project type: STREP
- Project length: 1 year
- Short description:

Terrorist takedown is information system which with use of drones take picture of peoples on events and proccessing pictures, with use of artificial inteligence and machine learning algorithms, and anylizing if there is suspicious people.

TERRORIST ATTACKS

- ATTENTION!!!
- FOLLOWING PICTURES CONTAIN DISTURBING CONTENTS

SPAIN TERROR ATTACKS: 13 KILLED AND 100 INJURED (THEGUARDIAN NEWS)





BASTILLE DAY IN NICE, 86 DEAD, 434 INJURED (WIKIPEDIA)





ANY SOLUTION? ANY IDEA?

Terrorist takedown maybe?

Terrorist takedown will have great impact on world security and he will helped to deal with threat once for all.

FUNCTIONALITY

- Drones will be remotely navigated by system, taking pictures of faces and sending they to system
- System will have sophisticated algorithms to compare pictures and many other operations



Part.no.	Participiant organisation name	Part. Short name	Country
1(coordinator)	Faculty of Mathematics, University of Belgrade, http://www.matf.bg.ac.rs	MATF	Serbia
2	Swiss Federal Institute of Technology https://www.ethz.ch	ETHZ	Switzerland
3	Secret Intelligence Service https://www.sis.gov.uk	MI6	United Kingdom
4	National Intelligence Service http://www.nis.gr	NIS	Greece
5	Security Information Agency http://www.bia.gov.rs/	BIA	Serbia
6	Faculty of mechanical engineering, University of Belgrade http://www.mas.bg.ac.rs	MAS	Serbia

PARTICIPANTS

UNIVERSITY OF BELGRADE, FACULTY OF MATHEMATICS, MATF

 Faculty of mathematics have more than 6000 graduate mathematicians, 400 doctors of mathematics and computer sciences, 700 Magisters of Science and many specialists. Numerous graduates occupy various positions in research institutions, government offices, companies and schools in the country and abroad. Department for Informatics and Computer Science have big impact on development of Computer Science in Serbia.



UNIVERSITY OF BELGRADE, FACULTY OF MECHANICAL ENGINEERING, MAS

 MAS perform basic, applied, development and scientific research to improve education and scientific research in the areas of production engineering and application computers, machinery (transport, construction and mining machinery), agricultural mechanical engineering, motor vehicles and trailers (transport, labor and special) effectiveness of mechanical systems, thermodynamics, thermal power, hydropower, railway engineering, shipbuilding, aviation, military mechanical engineering, weapons systems, and cosmic technology. Organizing scientific conferences and seminars, cooperation with educational, scientific and other organizations at home and abroad.



ETH ZURICH

At ETH Zurich, students discover an ideal environment for independent thinking, researchers a climate which inspires top performance. Situated in the heart of Europe, yet forging connections all over the world, ETH Zurich is pioneering effective solutions to the global challenges of today and tomorrow. ETH Zurich is one of the Europe leader in development of Machine Learning and Artificial Intelligence.





SECURITY INFORMATION AGENCY SERBIA, BIA

 The Security-Information Agency (BIA) is established on the bases of the Law on the Security-Information Agency which came into effect on July 27, 2002, as a special organization of the Government of the Republic of Serbia, with legal entity status. BIA is a civil, national security service and a part of a unique security intelligence system of the Republic of Serbia. It functions on the bases and within the framework of the Constitution, laws, other regulations and general acts, national security strategy, defense strategy and defined security-intelligence policy of the Republic of Serbia. Competences of the Security-Information Agency are: -protection of the security of the Republic of Serbia; -research, gathering, processing and assessment of security-intelligence data and findings significant for the security of the Republic of Serbia, as well as informing the relevant state authorities on the said data...



SECRET INTELLIGENCE SERVICE UK, MI6

 The Secret Intelligence Service (SIS), commonly known as MI6, is the foreign intelligence service of the government of the United Kingdom, tasked mainly with the covert overseas collection and analysis of human intelligence (HUMINT) in support of the UK's national security. SIS is a member of the country's intelligence community and its Chief is accountable to the country's Foreign Secretary. The stated priority roles of SIS are counter-terrorism, counter-proliferation, providing intelligence in support of cyber security, and supporting stability overseas to disrupt terrorism and other criminal activities.



SECRET INTELLIGENCE SERVICE MI6

NATIONAL INTELLIGENCE SERVICE GREECE, NIS

 The National Intelligence Service (NIS) is the national intelligence agency of Greece. Originally modeled after the United States Central Intelligence Agency, it was established in 1953 as the Central Intelligence Service (CIS), specializing in intelligence gathering, counterintelligence activities and securing sensitive state communications. As Greece's primary intelligence agency, NIS is responsible for a range of domestic and foreign matters, ranging from criminal activities and civil rights violations, to terrorism and espionage.



PROJECT SCHEDULE GANTT CHART

				2018 2					2019							
	Task	Start	End	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
	work packages	1/1/18	31/12/18													
1	WP0	1/1/18	31/12/18													
2	WP1	1/1/18	31/5/18													
3	WP2	1/2/18	30/6/18													
4	WP3	1/6/18	31/10/18													
5	WP4	1/10/18	31/12/18													

The project is organized in 5 work packages:

- WP0 Project management
- WP1 Making drones
- WP2 Designing an algorithm
- WP3 Implementation
- WP4 Testing in real-life scenario

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Work packag e No.	Work Package title	Type of activi ty	Lead partic. no.	Lead partic. Short name	Person- months	Start month	End month
WP0	Project management	MGT	1	MATF	25	M1	M12
WP1	Building drones	RTD	6	MAS	40	M1	M5
WP2	Designing algorithm	RTD	1,2	MATF, ETHZ	15	M2	M6
WP3	Implementatio n	RTD	1,3,4, 5	MI6,NIS, BIA,MATF	200	M6	M9
WP4	Testing	DEM	1,3,4, 5	MI6,NIS, BIA,MATF	200	M10	M12
	TOTAL				480		

WORK PACKAGE LIST

LIST OF DELIVERABLES

Del. no.¹	Deliverable name	WP no.	Nature ²	Dissemi-nation level ³	Delivery date ⁴ (proj. month)
D0.1	Signing contract	WP0	R	PU	M1
D0.2	Monthly report of work	WP0	R	PU	M1,M2, M3,M4, M5,M6, M7,M8, M9,M10 M11,M12
D0.3	Progress report of whole project	WP0	R	PU	M12
D1.1	Building drones	WP1	P	RE	МЗ
D1.2	Installing sensores	WP1	P	RE	M4
D1.2	Installing cameras	WP1	P	RE	M5

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D2.1	Writing and documenting code	WP2	R	СО	M4
D2.2	Database is projected	WP2	P	СО	M4
D2.3	Final code documented and testing procedures written	WP2	R	СО	M6
D3.1	Gathering data from intelligence services	WP3	R	СО	М9
D3.2	Filling database with gathered data	WP3	P	СО	M9
D3.3	System is fully functional	WP3	P	СО	M10
D4.1	Report on testing results	WP4	R	СО	M12

	4			
Milestone number	Milestone name	Work packag e(s) involve d	Expected date ⁵	Means of verification ⁶
M0.1	Signed contract	WP0	M1	
M0.2	Checking on optimization of the reporting processes involved in the project (deadlines)	WP0	M1	
M0.3	End of project	WP0	M12	
M1.1	Built drones	WP1	МЗ	
M1.2	Installed sensors	WP1	M4	
M1.3	Installed cameras	WP1	M5	
M2.1	Checking implementation without bugs	WP2	М6	
M2.2	Database is created	WP2	М6	
M3.1	Gathered data from intelligence services	WP3	M8	
M3.2	Database is filled with gathered data	WP3	M9	
M3.3	System is fully functional	WP3	M10	
M4.1	Fully report on testing results	WP4	M12	

MILESTONES

WHEN THE PROJECT IS OVER

- In agreement with the government project will participate in business forums
- All countries will be able to purcharge this system and cutdown risk of terrorist attacks
- System will be more powerful with his expansion in many countries

THANK YOU FOR YOUR ATTENTION!

