



LE GIORNATE DI POLIZIA LOCALE E SICUREZZA URBANA

**CONVEGNO E MOSTRA ESPOSITIVA INTERNAZIONALE
DI TECNOLOGIE, SOLUZIONI E SERVIZI**

41ª EDIZIONE - 15-16-17 settembre 2022

NESTOR AGENDA SHORT ABSTRACTS

SOFOKLIS EFREMIDIS

SESSIONE

BW3 - H2020 PROJECT NESTOR SESSION

16/09/2022 – 15.00 - 17.00

41st LOCAL POLICE AND URBAN SECURITY CONFERENCE

Riccione, Italy, 15 – 17 September 2022



H2020 Project NESTOR Session

www.nestor-project.eu

September 16, 2022, 15:00 – 17:00

Agenda

15:00 – 15:05	Welcome	Dr. Sofoklis Efremidis MAGGIOLI, moderator
15:05 – 15:15	NESTOR's Vision, Mission, Objectives, and Values	Ms. Giannoula Halvatzi HELLENIC POLICE, Police Colonel, Project Coordinator
15:15 – 15:35	NESTOR Project Overview	Ms. Mirela Rosgova KEMEA, Project Manager
15:35 – 15:45	NESTOR Greek Field Trials at Evros	Mr. Dimosthenis Kamargios HELLENIC POLICE, Police Major, Head of Border Management, Alexandroupolis
15:45 – 16:10	NESTOR Technical Overview	Mr. George Dolias CERTH, Technical Coordinator
16:10 – 16:20	HP preparedness for advanced surveillance technologies	Mr. Antreas Kompolitis HELLENIC POLICE, IT Department
16:20 – 16:40	The Integrated NESTOR Platform	Mr. George Dolias On behalf of SATWAYS, System Integrator
16:40 – 17:00	A Standardization Roadmap for Border Management	Mr. Pertti Woitsch Woitsch Consulting Oy, Standardization Coordinator

Short Abstracts

NESTOR's vision, mission, objectives, and values

Ms. Giannoula Halvatzi, Police Colonel, Hellenic Police, Project Coordinator

The presentation gives an introduction to the EU project NESTOR, focusing on its motivation and long term vision, its objectives and the means by which the project plans to achieve them, as well as the fundamental ethical principles, including handling of personal data, that guide the work of the project.

NESTOR Project Overview

Ms. Mirela Rosgova, KEMEA, Project Manager

The presentation introduces the objectives of the EU project NESTOR and the capabilities of the NESTOR, platform, which incorporates a variety of mixed reality functionalities for the accurate detection and improved sensing, customizing a fully functional next generation holistic border surveillance system for maritime and land border areas.

NESTOR Greek Field Trials at Evros

Mr. Dimosthenis Kamargios, Police Major, Hellenic Police

Greek – Bulgarian – Turkish border is a significant crossroad of cultures, persons and products. Border surveillance is nowadays a challenge for Law Enforcement Agencies and Borderguards. The selected areas for the NESTOR trials combine both land and sea border. NESTOR technologies form an interoperable network to detect, assess and respond to illegal activities in border surveillance missions in both land and maritime operations. The complete NESTOR concept will be assessed in three international trials that include both land and maritime border operations to succeed in the implementation of an holistic operational framework.

NESTOR Technical Overview

Mr. George Dolias, CERTH, Technical Manager

The presentation focuses on introducing the technologies that will be used to fulfilling the main objectives of the deployed NESTOR platform. The NESTOR Border Command Control and Coordination intelligence (BC3i) system uses cutting-edge Artificial Intelligence and Risk Assessment technologies and fuses in real-time surveillance data as well as analysis of web and social media data, sharing a pre-frontier intelligent picture to local, regional and national command center operators in an AR environment.

HP preparedness for advanced surveillance technologies

Mr. Antreas Kompolitis, Hellenic Police, IT

The involved Law Enforcement Agencies are already using technical means for border surveillance such as cameras, radars, UxVs. But the collected data are mainly incomplete while systems that process them are not interoperable, thus making it difficult to react promptly, or easily transmit useful information to the field units. A platform to integrate sensor and publicly accessible data, incorporate CISE and ERUROSUR interoperability in a common user interface with Augmented Reality visuals that will enhance proactivity and support Decision Making in field Operations is needed right now while the Law Enforcement Agencies are ready to embrace and use it.



The Integrated NESTOR Platform

Mr. George Dolias, on behalf of SATWAYS, System Integrator

NESTOR integrates ground-breaking technologies towards the delivery of a fully functional autonomous surveillance and coordination platform of remotely controlled heterogeneous single or swarms of unmanned vehicles for land and maritime surveillance, as well as external enhanced sensing technologies. All technologies form an interoperable network to detect, assess and respond to hazardous situations for border surveillance missions in both land and maritime operations through a modular and Service-Oriented Architecture, the communications infrastructure, the Interoperability layer based on EUROSUR and CISE models, and the Command Control and Coordination intelligence (BC3i) fully modular system.

A Standardization Roadmap for Border Management

Mr. Pertti Woitsch, CEO, Woitsch Consulting Oy

As there are no European or International Standards addressing Border Management, the NESTOR project plans to establish a standardisation roadmap related to this domain. The roadmap activities will be carried out in cooperation with other EU-funded research projects, CEN-CENELEC and relevant European authorities such as the European Commission and FRONTEX.