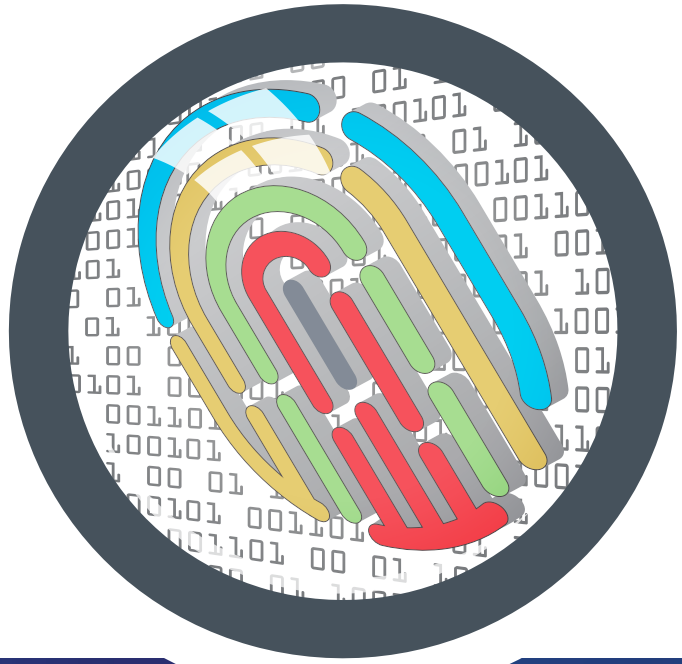
RISEN Consortium

RISEN
REAL TIME ON-SITE FORENSIC TRACE QUALIFICATION

RISEN
REAL TIME ON-SITE FORENSIC TRACE QUALIFICATION



PROJECT COORDINATOR

ENEA – Italian National Agency for New Technologies, Energy and Sustainable Economic Development

KEMEA

Fraunhofer ICT

Military University of Technology

UNIVERSITÀ DEGLI STUDI DI BERGAMO

CREO

PARTICLE

VTT

FFI Forsvarets forskningsinstitutt – Norwegian Defence Research Establishment

DIN

vH&S

POLITIET

Fraunhofer IAF

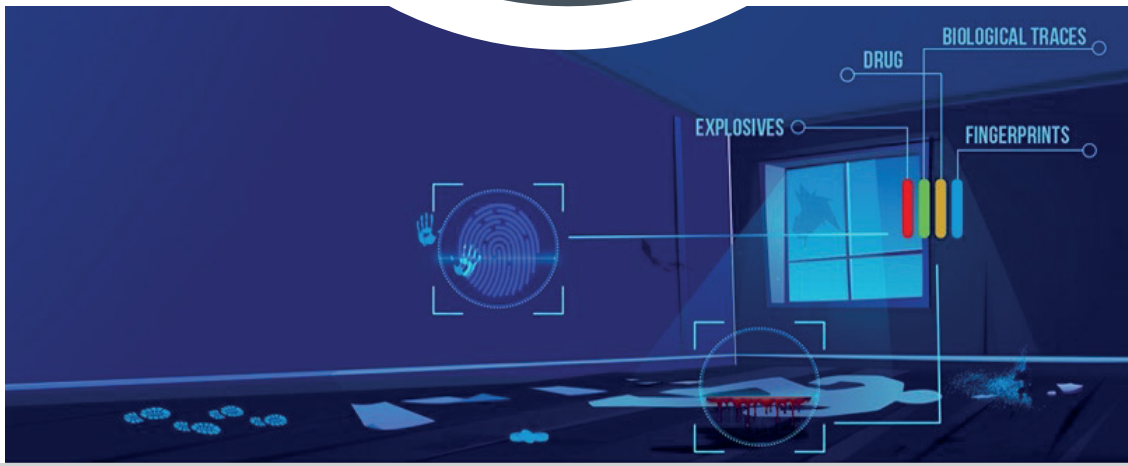
Netherlands Forensic Institute – Ministry of Justice and Security

Polisen – Swedish Police

Fraunhofer IPMS

MaSaTECH

State Forensic Science Bureau Republic of Latvia



https://www.risen-h2020.eu

risen@enea.it

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 883116.

What is RISEN about?

While time is an important factor for the successful outcome of crime investigation, the traditional forensic examinations are usually time consuming. It can be very problematic when investigations are underway and quick results are needed. Traces must be detected on-site as soon as possible before they degrade and loose forensic information important for criminal investigation. The aim of the RISEN project is the development of a set of real-time contactless sensors for the optimization of detection, visualisation, identification and interpretation of the trace on-site, with a consequent reduction of the time and resources in the laboratory. The RISEN project will develop and demonstrate contactless, non-destructive, automated sensors to identify, select and label trace materials. Data will be acquired in-situ and in real-time, processed and sent to a 3D augmented crime scene investigation system to produce an interactive 3D model of the scene with position and labelling of traces and relative results of the on-site analysis, to be available at any time for several purposes in the criminal justice system. The identified traces will be digitally marked and inventoried, and a digitalised chain of custody will be established in real-time implementing mechanisms that assure data integrity over its lifecycle.

Key actions

- Scenario definition, user and system requirements
- Trace qualification
- Technology preparation, development and delivery
- Data fusion
- Validation
- Training
- Trials
- Standardisation
- Compliance with legal and ethical aspects
- Cost-effectiveness assessment

Facts and figures

RISEN (Real time on-site forensic trace qualification) is a four-year Research and innovation action, coordinated by ENEA, which has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 883116 (Fight against crime and Terrorism, topic SU-FCT02-2019 Technologies to enhance the fight against crime and terrorism, Sub-topic 1 Trace qualification).

Coordinator	Dr. Roberto Chirico (ENEA)
Funding programme	Horizon 2020
Call	Fight against crime and Terrorism
SU-FCT02-2019	Technologies to enhance the fight against crime and terrorism
Sub-topic 1	Trace qualification
Type of action	RIA
Project duration	July 2020 - June 2024
Number of partners	20
Overall budget	€ 6'995'876.25
Total EU funding	€ 6'995'876.25