EU-FUNDED R&D INITIATIVES ON CYBER DEFENCE

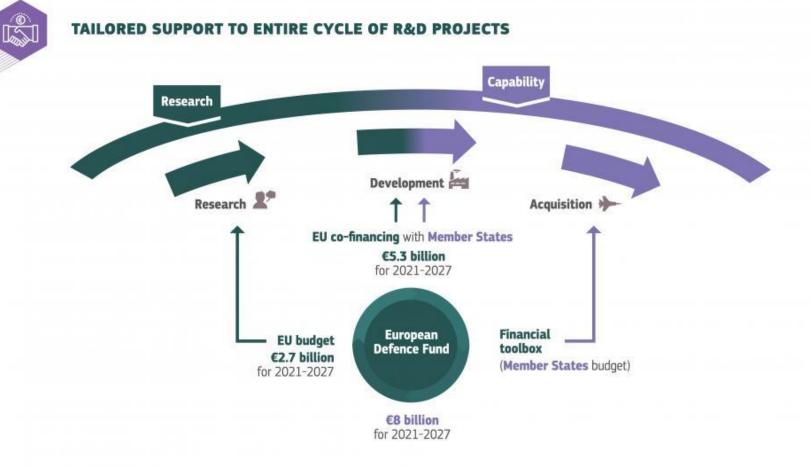
DR. GEORGIOS GARDIKIS

R&D MANAGER, SPACE HELLAS S.A.



THE EUROPEAN DEFENCE FUND (EDF)

- The
 Commission's
 initiative to
 support
 collaborative
 defence research
 and development
- Defence R&D is no longer excluded



THE EUROPEAN DEFENCE FUND (EDF)



Defence medical response, Chemical Biological Radiological Nuclear (CBRN), biotech and human factors



Space



Air combat



Information Superiority



Digital transformation



Air and missile defence



Advanced passive and active sensors



Energy resilience and environmental transition



Ground combat



Cyber



Materials and components



Force protection and mobility



Naval combat



Disruptive technologies



Open calls for innovative defence technologies

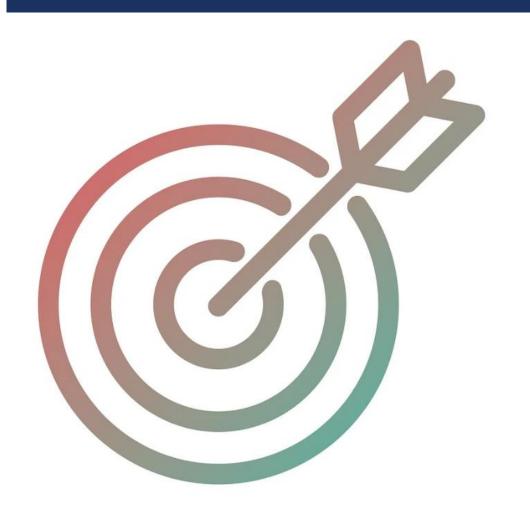
EDF – CYBERSECURITY TOPICS

- EDF Call 2021:
 - Improving cyber defence and incident management with artificial intelligence
 - Improved efficiency of cyber trainings and exercises
- EDF Call 2022 (not officially released yet):
 - Adapting Cyber Situational Awareness for Evolving Computing Environments
 - Cyber and information warfare toolbox
 - Cybersecurity and systems for improved resilience

EDIDP PANDORA PROJECT - IDENTITY

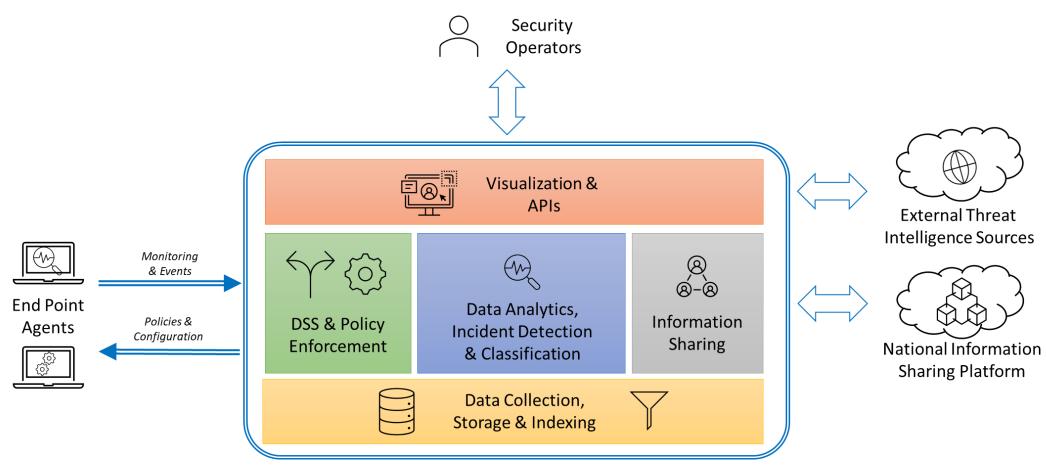
Proposal title	PANDORA: Cyber Defence Platform for Real-time Threat Hunting, Incident Response and Information Sharing
Topic identifier	EDIDP-CSAMN-SSS-2019 : Software suite solution, enabling real-time cyber threat hunting and live incident response, based on shared cyber threat intelligence (PESCO Project CTISP)
Coordinator	Space Hellas S.A.
Consortium	15 organizations, 8 Member States
Total budget	7.63 M€
Duration	24 months (December 2020 – November 2022)

PANDORA PROJECT MISSION

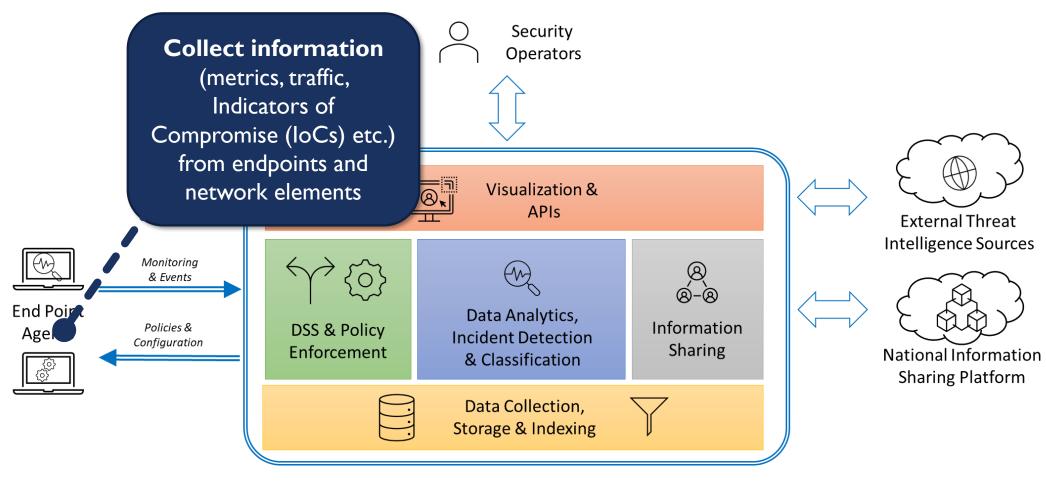


"To contribute to <u>EU cyber defence</u> capacity building, by designing and implementing an open technical solution for real-time threat hunting and incident response, focusing on <u>endpoint protection</u>, as well as <u>information sharing</u>."

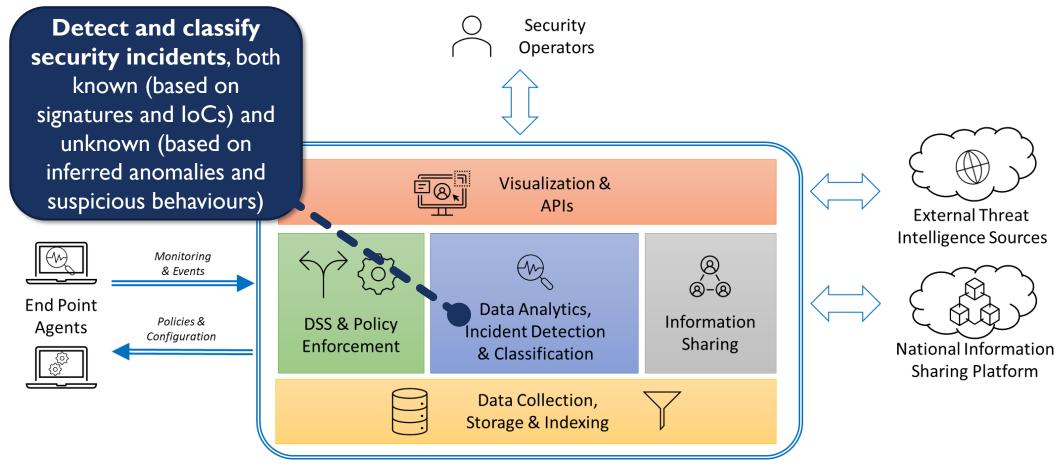
PANDORA PLATFORM – KEY COMPONENTS



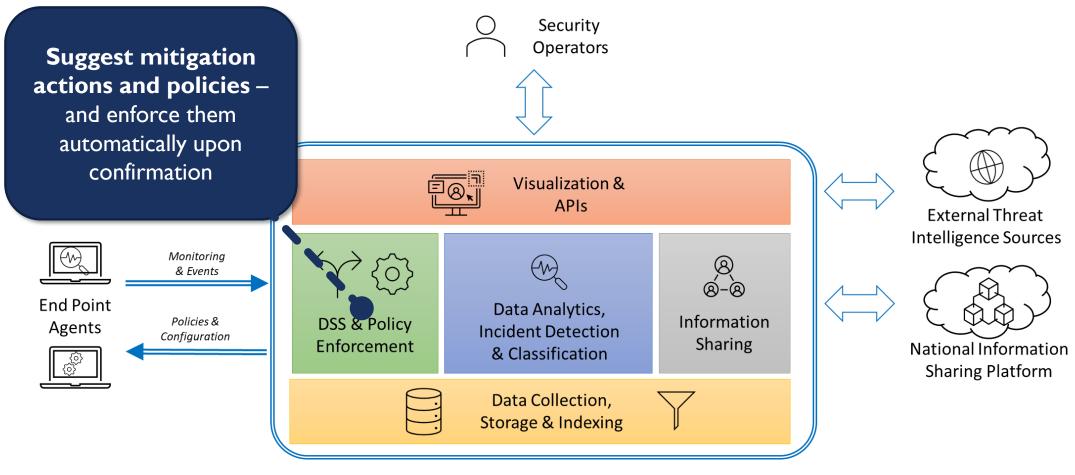
PANDORA PLATFORM – KEY FEATURES (1/5)



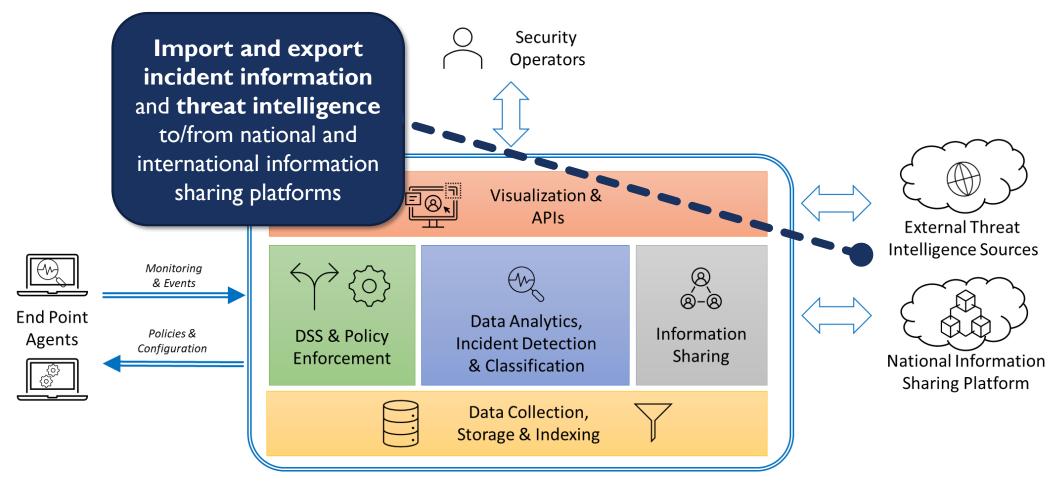
PANDORA PLATFORM – KEY FEATURES (2/5)



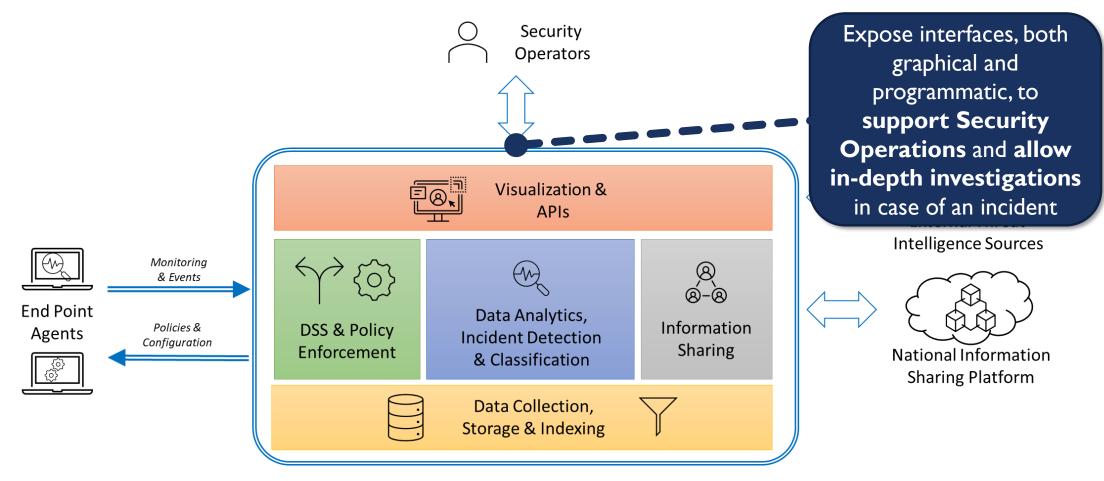
PANDORA PLATFORM – KEY FEATURES (3/5)



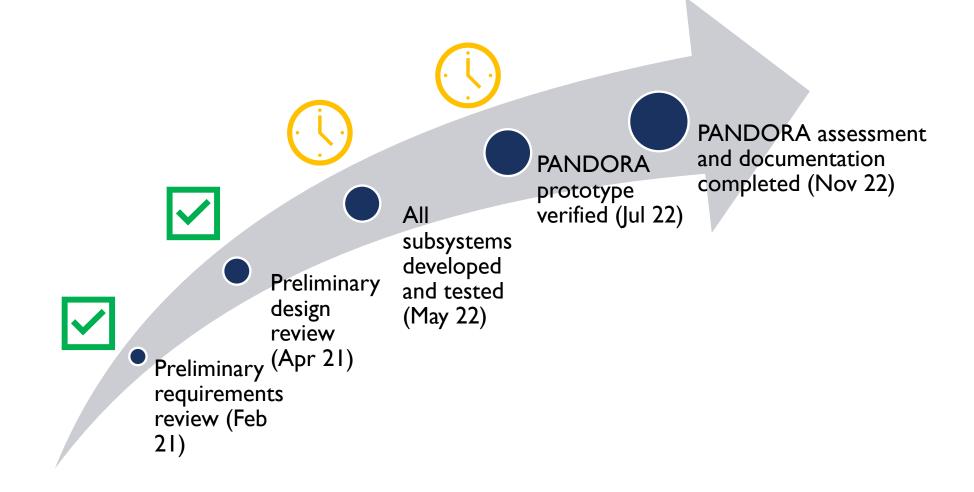
PANDORA PLATFORM – KEY FEATURES (4/5)



PANDORA PLATFORM – KEY FEATURES (5/5)



MAIN PROJECT MILESTONES



BASELINE TECHNOLOGIES FOR IMPLEMENTATION





kibana







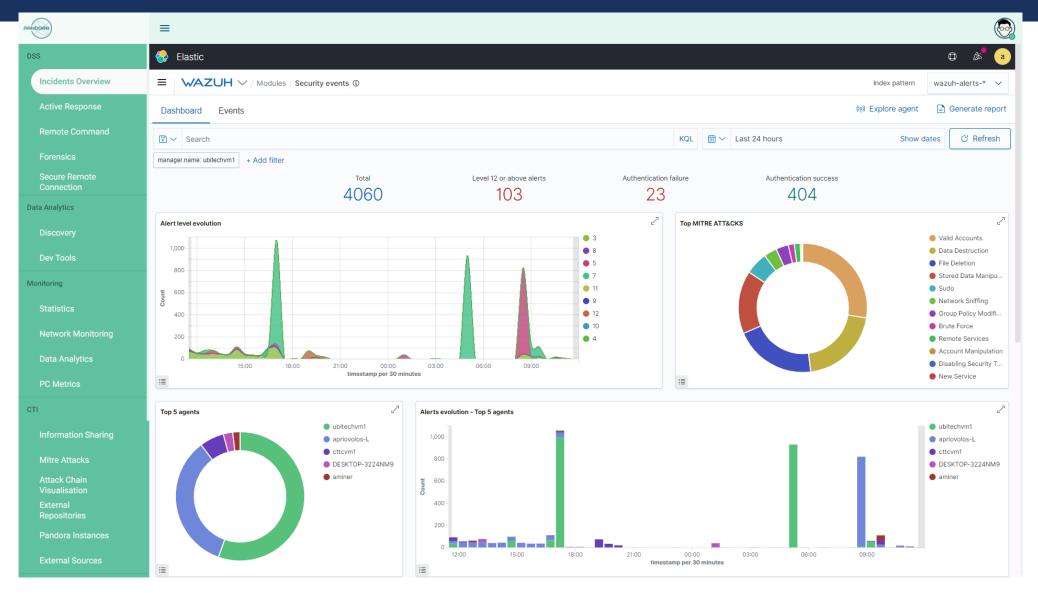




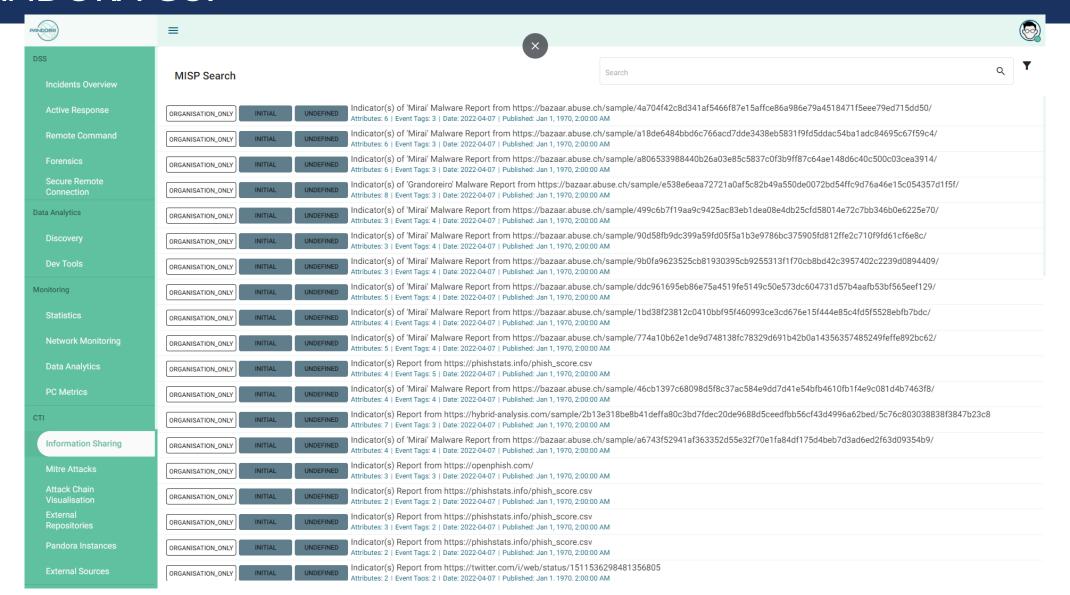




PANDORA GUI



PANDORA GUI



NEXT STEPS (IDEAS FOR FUTURE PROJECTS)

- Heavy use of Al for tasks as:
 - Intrusion detection
 - Incident classification
 - CTI export and ingest
 - Alert fusion
 - Root cause analysis
 - Generation and optimization of response actions
- Security Automation, Orchestration and Response (SOAR) in a military context
- Integration of OT cyber threats cyber/physical threat scenarios

THANK YOU FOR YOUR ATTENTION!

https://www.space.gr/en

https://www.pandora-edidp.eu/

