

Results 2022: Promising Innovations to Counter Hybrid Threats

1. CORE THEME: FUTURE TRENDS OF HYBRID THREATS

PRIMARY CONTEXT	IDEA/ INNOVATION PROPOSED 2021
1.1 Geopolitical heavyweight of domestic policy	End to End Supply Chain Visibility Labels
	Multi –Stage supply Chain disruption mitigation strategy and Digital Twins for Supply Chain Resilience
1.2 Digital escalation and AI-based exploitation	Digital connected security in response to hybrid tactics
	Commitment to Validating and Verifying AI
1.3 Rise of populism	Establishment and reinforcement of political education of democratic values
	Installation of rules for mandatory declarations

2. CORE THEME: CYBER AND FUTURE TECHNOLOGIES

PRIMARY CONTEXT	IDEA/ INNOVATION PROPOSED 2021
2.1 Space interference and counterspace weapons	7SHIELD : a holistic framework for European Ground Segment facilities that is able to confront complex cyber and physical threats
2.2 Offensive cyber capabilities	The Development of a Proactive Defensive Framework based on ML and cloud
	A fully automated incident response solution based on CT Intelligence
2.3 Disruptive innovation	The Development of a Deepfake Detection System
	Counter-Unmanned Aircraft Systems

3. CORE THEME: RESILIENT CIVILIANS, LOCAL LEVEL AND ADMINISTRATION

PRIMARY CONTEXT	IDEA/ INNOVATION PROPOSED 2021
3.1 Exploitation of existing political cleavages	Detection of Disinformation Delivery Proxy Actors
	Development of Real-Time Rapid Alert System on Disinformation
3.2 Exploitation of critical infrastructure weaknesses and economic dependencies	Impact and Risk assessment of Critical Infrastructures in a complex interdependent scenario
	Resilience Tool (Incl. Riskradar) Steinbeis Eu-Vri
3.3 Exploitation or investment in companies by foreign actors	A crawler for correlation of screened FDI with suspicious financial activity

4. CORE THEME: INFORMATION AND STRATEGIC COMMUNICATIONS

PRIMARY CONTEXT	IDEA/ INNOVATION PROPOSED 2021
4.1 Information manipulation with the aim of destabilization	Increasing capabilities to systematically assess information validity throughout the lifecycle
	Crowdsourced verification systems of fake news to counter disinformation in encrypted messaging applications
	DDS-alpha (EEAS)
4.2 Foreign interference in key information institutions	Integrated Monitoring System Against Malware Based Cyber Operations
	Integrated Monitoring System Against Cyber –enabled information Operations
4.3 Promoted ideological extremism and violence	Collection and Sentiment Analysis of targeted communication
	Identify and safeguarding vulnerable individuals