

02/07/2020

Participatory policies to prevent and counter radicalization

Armend Duzha, Maggioli

Plan for the discussion

// General overview on radicalization

- // Radicalization phenomena
- // Main actors and stakeholders involved

// User Requirements

- // Analytics tools
- // Visualization tools

// Data Requirements

- // Social Media
- // Open Datasets



What is radicalization?

// a **process** through which an individual (or group of individuals) adopts an increasingly extremist set of beliefs and aspirations. This may include, but is not defined by, the willingness to **condone, support, facilitate** or use **violence** to further **political, ideological, religious** or other goals.

UN Office of Counter Terrorism



Specific domains to tackle

- // prisons and judiciary system
- // migration hotspots and asylum centers
- // schools
- // religious communities
- // cities (peri-urban contexts)
- // Internet and media



Main actors involved

- // Policy makers at any level
 - // Local (e.g. municipalities, social services)
 - // Regional (e.g. regions)
 - // National (e.g. Ministries)
 - // European (e.g. DG HOME, RAN, Europol)
 - // International (e.g. UNOCT, Interpol)



Other important stakeholders

- // LEAs (police officers,...)
- // Schools (school principal, teachers,...)
- // NGOs (social workers,...)
- // EU Associations/initiatives (EFUS, EUCPN, EUNWA, ...)



Main Goals

- // Reduce occurrence of domestic radicalisation by **early identifying warning signals and risks** from social media and other data sources
- // Promote **secure access to public spaces** for more people, enriching their perception of security and safety.
- // Encourage citizen **engagement and trust in the perceived legitimacy** of public authorities (municipalities, regions, LEAs)



Strategic Objectives

- ⚡ Use of **heterogeneous data sources** to understand **hidden patterns and new trends**
- ⚡ **Extract, analyse and classify** retrieved information based on **defined ontologies** to generate useful insights about radicalization efforts and incidents
- ⚡ Create **measurable KPIs** and design new policies/update existing ones to elaborate **suitable means and countermeasures to prevent youth radicalization**, as well as to **contrast the spreading of extremism** among those detained;
- ⚡ Evaluate the **impact** of the (new) implemented policies compared the old ones



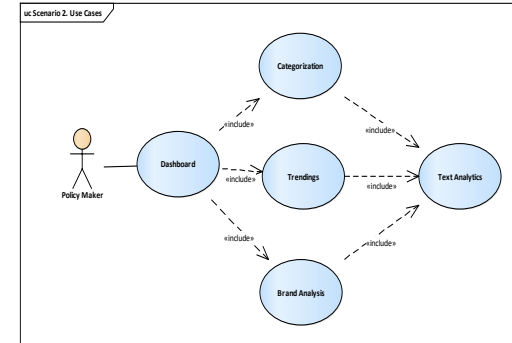
Application Scenarios

// Visualization

- // heatmap about the frequency of occurrence of incidents targeting vulnerable groups (e.g. children, minor) in the geographic proximity of a town/region

// New Entity detection

- // main actors (e.g. individuals and organized groups) that contribute to the creation of communication strategies directed to spread, both online and offline, an alternative narrative and counter-narrative



Requirement Analysis

// Functional requirements

- // Opinion Analysis
- // Sentiment Analysis
- // Hierarchical Text Mining

// Data requirements

- // Global Terrorism Database
- // Information from social networks: Twitter, Facebook, Reddit
- // RSS & Blog web pages



Section	Description
ID	REQ-PPR-12
Title	Data Analysis in near real-time
Level of detail	Stakeholder
Type	PERF
Description	Information collected from different dataset should be analysed every predefined time
Additional Information	N/A
Actor	N/A
Priority	MAN
Reference	SCE-PPR-03, SCE-PPR-05
Use Case	



Section	Description
ID	REQ-PPR-13
Title	Visualization
Level of detail	Stakeholder
Type	L&F
Description	Dashboard should show more relevant information at a glance
Additional Information	N/A
Actor	End User, Policy Maker
Priority	DES
Reference Use Case	SCE-PPR-06, SCE-PPR-07



Section	Description
ID	REQ-PPR-14
Title	Risk Prediction
Level of detail	Stakeholder
Type	L&F
Description	Dashboard should show predictions on potential risks / threats and their location
Additional Information	N/A
Actor	End User, Policy Maker
Priority	DES
Reference	SCE-PPR-06, SCE-PPR-07
Use Case	



Section	Description
ID	REQ-PPR-15
Title	Extraction of entities
Level of detail	Stakeholder
Type	FUNC
Description	More relevant entities (extremist groups and/or individuals, location) should be extracted from different sources
Additional Information	N/A
Actor	N/A
Priority	MAN
Reference Use Case	SCE-PPR-05, SCE-PPR-06, SCE-PPR-07





Policy Cloud
Cloud for Data-Driven Policy Management

GET IN TOUCH

Armend Duzha (armend.duzha@maggioli.it)



PolicyCloud has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 870675.



www.policycloud.eu



@PolicyCloudEU



PolicyCloud EU