



Data-Driven Policymaking Week

Policies against radicalisation

Marieke Willems (Trust-IT)

26 April 2021





Policy Cloud
Cloud for Data-Driven Policy Management

Radicalisation



Speakers



Marieke Willems

Project Manager Trust-IT Services



Armend Duzha

Senior Project Manager and
Research Associate at Maggioli S.p.A.



Daniele Crespi

Head of the eGovernment and
Innovation Services at Maggioli S.p.A.



Tjerk Timan

Policy Researcher TNO & Policy
Cloud ICB

Policy Cloud

// The European Cloud for data-driven policy management will provide integrated reusable models and analytical tools, turning raw data into valuable and actionable knowledge towards efficient policy making.



Duration: 36 months

Jan 2020 - Dec 2022



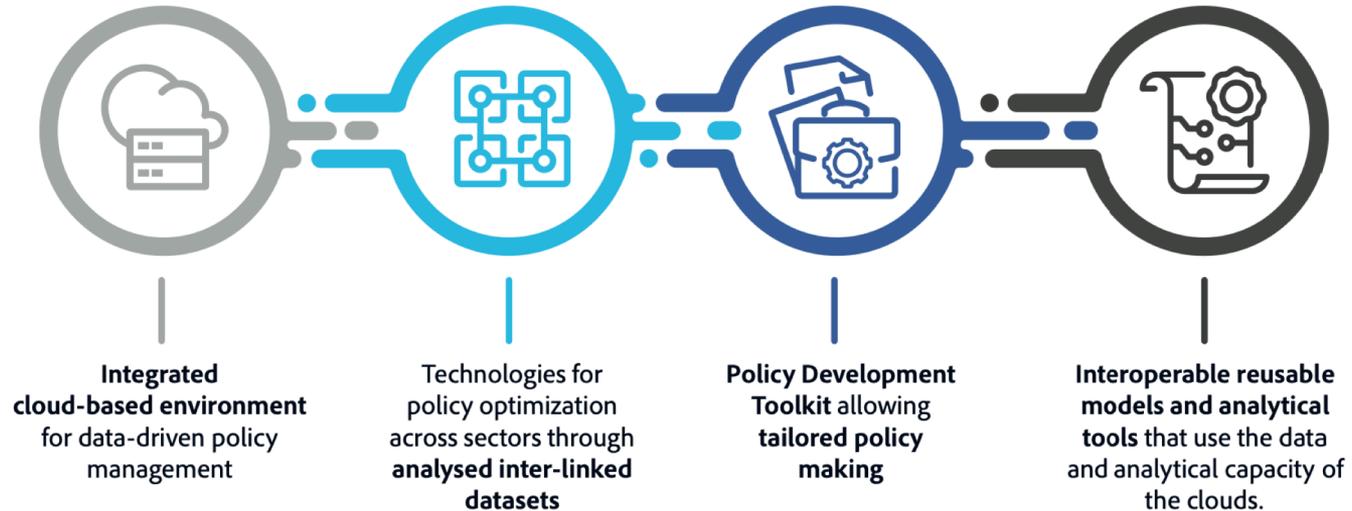
Budget: € 5.140.590



Partners: 15



Policy Cloud will deliver



Pilot Cases covering different societal challenges



URBAN POLICY MAKING

Facilitating urban policy making and monitoring through the analysis of crowdsourced data.

BULGARIA



INTELLIGENT POLICIES FOR THE FOOD VALUE CHAIN

Implementing environmental policies to boost the growth and development of the agri-food industry.

SPAIN



OPEN DATA POLICIES FOR CITIZENS

Predicting unemployment and associated risks to guide social services policy planning.

UK



POLICIES AGAINST RADICALISATION

Collecting and analysing social media data to enable policy makers to address radicalisation effectively.

ITALY

Policies Against Radicalisation



📅 26/04
🕒 14.00-15.00

Urban Policy Making Through Analysis of Crowdsourced Data



📅 27/04
🕒 14.00-15.00

Intelligent Policies for the Food Value Chain



📅 28/04
🕒 14.00-15.00

Open Data Policies for Citizens



📅 29/04
🕒 14.00-15.00



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Webinar

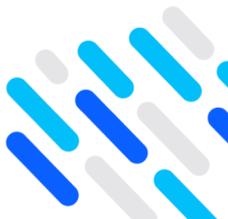
 26/04  14.00-15.00



 Data Driven
Policymaking:
**Policies Against
Radicalisation**

Agenda

- // Introduction & poll – Marieke Willems (Trust-IT)
- // The policy challenge: Policies against radicalisation – Daniele Crespi (Maggioli)
- // The Policy Cloud solution - Armend Duzha (Maggioli)
- // The bigger picture – Tjerk Timan (TNO)
- // Q&A





26/04/21

UC1: Participatory policies to prevent and counter radicalization

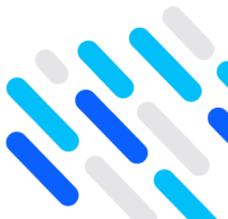
Daniele Crespi, Maggioli SpA



What is radicalization?

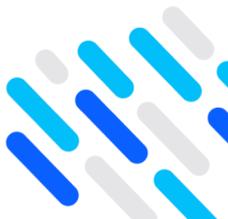
⚡ a **process** through which an individual and/or group of individuals adopts an increasingly extremist set of beliefs and aspirations. This may include, but is not defined by, the willingness to **condone, support, facilitate or use violence** to further political, ideological and religious goals.

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, Government)
 - /// European (e.g. DG HOME, RAN, Europol)
 - /// International (e.g. UNOCT, Interpol)



INTERPOL



Other important stakeholders

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



26/04/2021



Policy against radicalization – Technological solutions

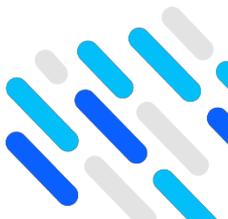
Armend Duzha
Maggioli S.p.A.



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

Main Goals

- ⚡ Reduce occurrence of 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
- ⚡ Design new policies/update existing ones to elaborate **suitable means and countermeasures to prevent radicalization**, as well as to **contrast the spreading of online propaganda**;
- ⚡ Create **measurable KPIs** and evaluate the **impact** of the (new) implemented policies



What is PolicyCLOUD?



A cloud-based **decision-support system** that allows public authorities to model, implement, evaluate and adapt cross-border, evidence-based and data-driven policies, by using interoperable and reusable models and analytical tools, while preserving privacy and security according to EU and national laws and regulations.



Added-value services

- /// Cloud Capabilities
- /// Big Data Analytics Tools
- /// Adaptive Visualization Technologies
- /// Legal, Ethics and Privacy Compliance
- /// Impact Assessment and Monitoring



Policy development toolkit

Automated tools enabling data manipulation, modelling, and visualisation



Data marketplace

Repository of exploitable data and knowledge for policy making scenarios



Policies management framework

Decision tool enabling the integration of data collection, modelling and simulation technologies



Ethics framework

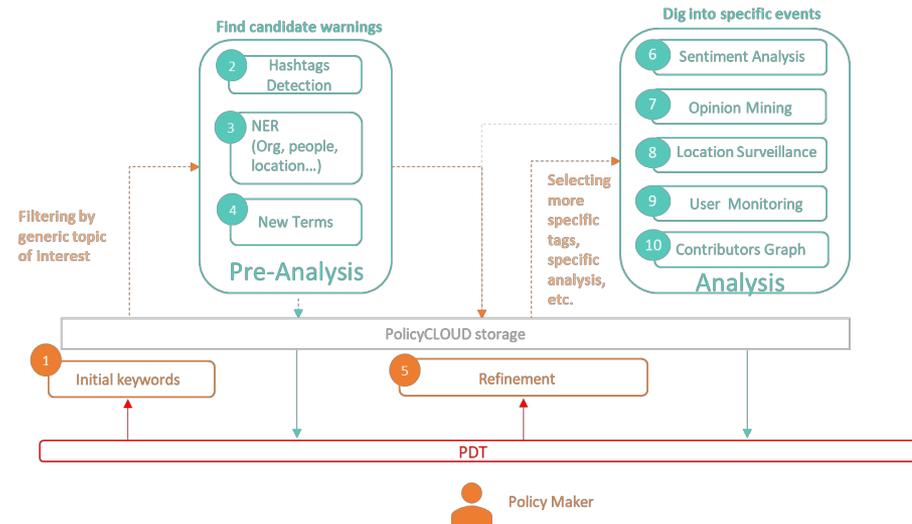
Documented approach ensuring the provision of privacy and security for sensitive data



Requirement Analysis

Functional requirements

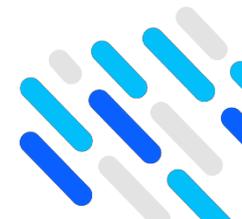
- ⚡ Visualisation tools
- ⚡ Opinion Mining
- ⚡ Sentiment Analysis
- ⚡ Social Dynamics
- ⚡ Behavioural data analytics



Requirement Analysis

// Data requirements

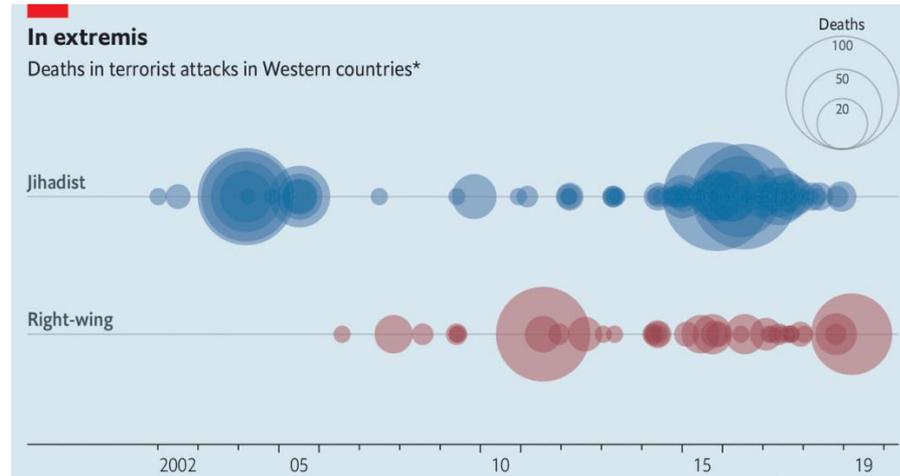
- // Open datasets: GDT and RDWTI
- // Social media: Twitter, Facebook, Reddit
- // Web pages



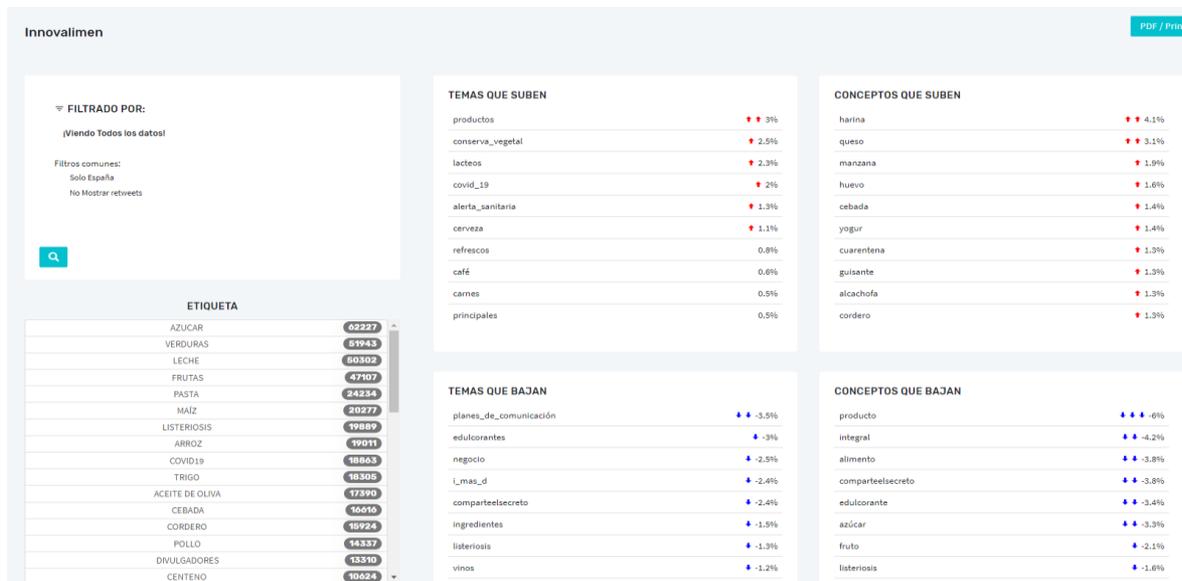
Scenario A – Radicalization incidents



Scenario B – Radicalised groups / individuals

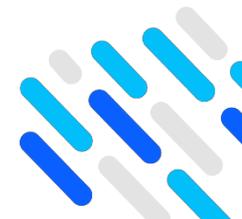
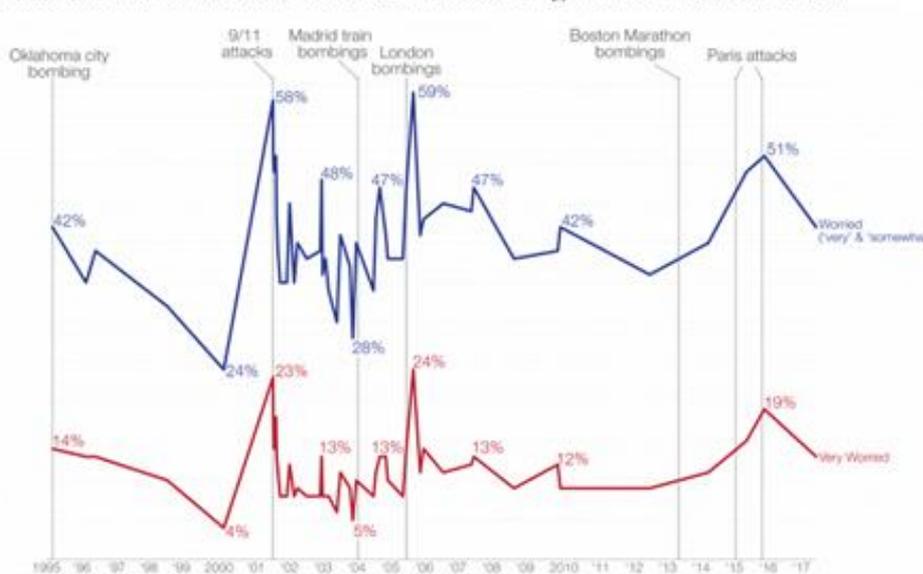


Scenario C – Trend analysis



Scenario D – Assessment of online propaganda

Share in the US who are concerned about being the victim of terrorism





Policy against radicalisation – some reflections on methods and regulation

Tjerk Timan
tjerk.timan@tno.nl



Elements of influence

Tech Policy / AI Ethics

AI is sending people to jail —and getting it wrong

Using historical data to train risk assessment tools could mean that machines are copying the mistakes of the past.

by Karen Hao

Jan 21, 2019

- Understanding of data mining lifecycle
- Interaction with policy lifecycle
- The role of regulation irt accessibility of data
- Political implications and resources

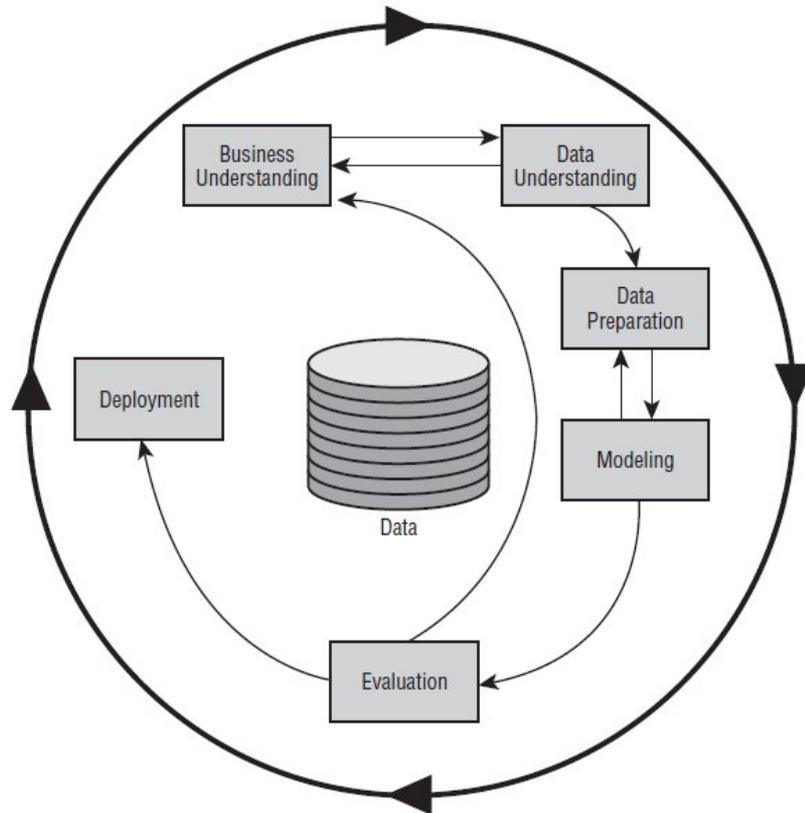


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20/12/19



Understanding of data mining lifecycle

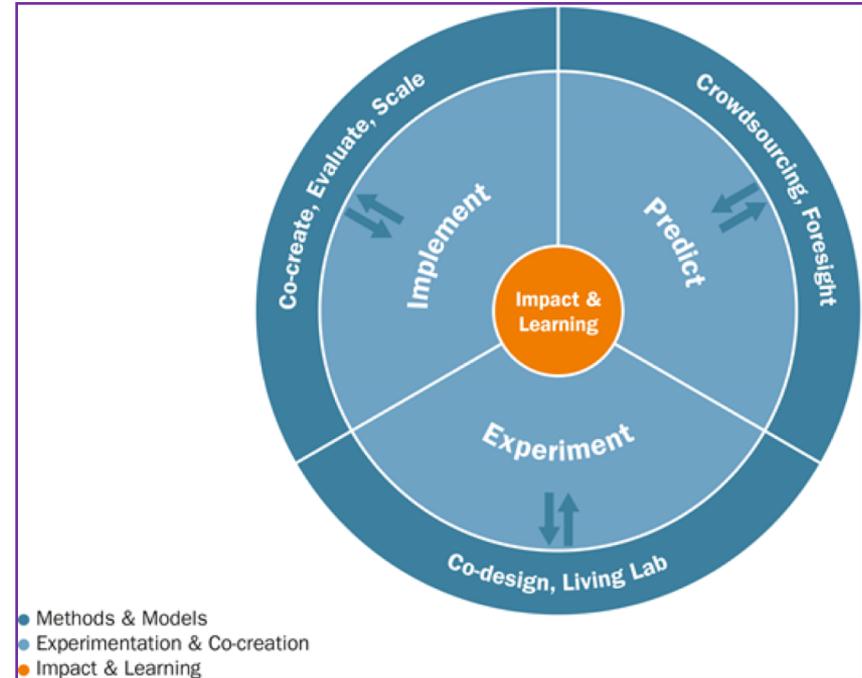


- Data mining on social media is not easy – what level of data or meta is needed? What are useful information models for this? (a tweet consists of > 20 variables)
- Radical social media audiences are moving away from mainstream: how to keep track? (post-demographics)
- Need for secure data sharing (MPC?)
- Long-term use of tools



Interaction with policy lifecycle

- Policylab as one way to understand role of data in policy lifecycle
- In which phase are we? Design-demonstrate-implement is 1-10-100 in costs and time
- In this topic area: what are the promises and impact indicators around data and AI for flagging radicalisation



Source: [Praktijkvoorbeeld: multidisciplinair aan de slag met het TNO Leer- en Expertisepunt Datagedreven werken - Digitale Overheid](#)



The role of regulation

- Principles of purpose limitation, proportionality & subsidiarity
- Many difficulties in GDPR implementation, e-evidence and cross-border data sharing
- AI regulation in-the-making – not so much aimed at Law Enforcement (but still)



Shaping Europe's digital future

Home > Library > Proposal for a Regulation on a European approach for Artificial Intelligence

POLICY AND LEGISLATION | 21 APRIL 2021

Proposal for a Regulation on a European approach for Artificial Intelligence

The Commission is proposing the first ever legal framework on AI, which addresses the risks of AI and positions Europe to play a leading role globally.



Political implications and resources

- Tools and dashboard for evidence-based policymaking: never neutral
- How big is the problem irt other problems: political choices of resource allocation
- De-facto cross border issue: how to share efforts in Europe?

Radicalisation Awareness Network (RAN)



Together
against radicalisation

The Radicalisation Awareness Network (RAN) connects frontline practitioners from across Europe with one another, and with academics and policymakers, to exchange knowledge, first-hand experiences and approaches to preventing and countering violent extremism in all its forms.





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