FAke News discovery and propagation from big Data ANalysis and artificial intelliGence Operations

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Results

Project Information

FANDANGO

Grant agreement ID: 780355

Project website ↗

DOI
10.3030/780355 ↗

Project closed

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20 October 2017

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1 January 2018

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31 March 2021

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INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

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€ 3 583 125,00

EU contribution
€ 2 879 250,00

Coordinated by
ENGINEERING - INGEGNERIA INFORMATICA SPA
🟩⬜🟥 Italy

This project is featured in...

CORDIS provides links to public deliverables and publications of HORIZON projects.

Links to deliverables and publications from FP7 projects, as well as links to some specific result types such as dataset and software, are dynamically retrieved from OpenAIRE [↗].

Deliverables

Documents, reports (16) ⌄

[Application areas business requirements and preliminary exploitation plan ↗](#)
The document will analyse the business requirements of the application areas to improve the impact of the pilots.

[Market Analysis and preliminary business requirement ↗](#)
This deliverable will report a preliminary market analysis and business requirement for the FANDANGO application areas. This report will also include the FANDANGO Innovation strategy.

[Report replicability of the solution ↗](#)

This report will describe the aspects of scalability and replicability of the big data tool.

[Technical requirements (platform and service requirements)](#) ↗

In collaboration and extension of D1.1, D1.2 and D1.3 this deliverable will define the technical work plan and system requirements necessary to fulfill the goals.

[Pilots execution and evaluation plans](#) ↗

This deliverable contains the comprehensive pilot execution and evaluation plans (PEEPs) for each pilot use-case domain, detailing how the pilots will be executed and evaluated. The document will be revised accordingly as the project progresses.

[Final Exploitation plan and technology uptake](#) ↗

This report will present a full exploitation plan and action/analysis of technology uptake from FANDANGO

[FANDANGO platform setup defining process](#) ↗

The deliverable will provide the design and the specification of every single FANDANGO component as well as the description of their implementation, integration and validation process.

[Data lake integration plan](#) ↗

This deliverable will describe how the FANDANGO project manages data throughout its life cycle, according to the regulatory framework.

[Dissemination Plan](#) ↗

This deliverable will include a description of the dissemination strategies and activities to be followed by the FANDANGO partners, as well as KPIs and metrics to be monitored.

[Data model and components](#) ↗

This deliverable will contain the organization of data elements and how are related with both internal and external modules.

[First iteration piloting and validation report](#) ↗

This deliverable contains the updated PEEPs as well as an overview of the outcomes of the first pilot iteration for each use-case domain. It will also contain the results of the validation of the different piloting activities.

[Impact Report](#) ↗

This deliverable present an assessment of the impact of the project, both qualitatively, through case studies that demonstrate its impact, and quantitatively, via the metrics developed in the Dissemination Plan (D.7.2).

[FANDANGO Reference Architecture description](#) ↗

The deliverable will define FANDANGO reference architecture describing how the FANDANGO components will interact each other.

[Data Interoperability and data model design](#) ↗

An initial list of available data will be collected very early. It contains the data which is available for starting the first pilots.

[User Requirements](#) ↗

This deliverable will collect the user requirement and will be the basis od D2.4.

[Second iteration piloting and validation report](#) ↗

This deliverable contains the updated PEEPs as well as an overview of the outcomes of the second pilot iteration for each use-case domain. It will also contain the results of the validation of the different piloting activities.

Demonstrators, pilots, prototypes (10)   ⌄

[Copy-move detection on audio-visual content prototypes](#) ↗

The deliverable will provide both: a) a report providing a detailed state of the art of the topics of Task 4.3 as well as the algorithms that are selected to be integrated in FANDANGO prototypes, and b) a prototype deliverable of the work done in Task 4.3 and will deliver the appropriate software and a report acting as manual of the provided software.

[Source credibility scoring, profiling and social graph analytics prototypes](#) ↗

The deliverable will provide both: a) a report providing a detailed state of the art of the topics of Task 4.4 as well as the algorithms that are selected to be integrated in FANDANGO prototypes, and b) a prototype deliverable of the work done in Task 4.4 and will deliver the appropriate software and a report acting as manual of the provided software.

[Software updates of the modules and prototypes](#) ↗

This is a prototype deliverable that will provide updates in all modules of WP4 following the evaluation phase as well as a report with all the necessary details on the provided software.

[Pre-processing set of tools](#) ↗

This deliverable will be formed by the software tools that normalize the incoming data.

[Lightweight data shipping components development](#) ↗

This deliverable will be a software package containing the components for data lake with its corresponding relevancy label.

[Development of project website ↗](#)

A platform for ongoing public engagement, including areas for news releases, project reports and technical documentation. Will include links to tools and source code created by the project, as well as datasets.

[Multilingual text analytics for misleading messages detection prototypes ↗](#)

The deliverable will provide both: a) a report providing a detailed state of the art of the topics of Task 4.2 as well as the algorithms that are selected to be integrated in FANDANGO prototypes, and b) a prototype deliverable of the work done in Task 4.2 and will deliver the appropriate software and a report acting as manual of the provided software.

[Ground truth development for FANDANGO system assessment ↗](#)

This deliverable will implement the data gathering tasks and data preparation for ML models.

[Machine learnable scoring for fake news decision making prototypes ↗](#)

The deliverable will provide both: a) a report providing a detailed state of the art of the topics of Task 4.5 as well as the algorithms that are selected to be integrated in FANDANGO prototypes, and b) a prototype deliverable of the work done in Task 4.5 and will deliver the appropriate software and a report acting as manual of the provided software.

[Spatio-temporal analytics and out of context fakeness markers prototypes ↗](#)

The deliverable will provide both: a) a report providing a detailed state of the art of the topics of Task 4.1 as well as the algorithms that are selected to be integrated in FANDANGO prototypes, and b) a prototype is a prototype of the work done in Task 4.1 and will deliver the appropriate software and a report acting as manual of the provided software.

Open Research Data Pilot (1)   ⌄

[Data Management Plan ↗](#)

This deliverable will describe how the FANDANGO project manages data throughout its life cycle, in order to be compliant to the regulatory framework.

Publications

Peer reviewed articles (1) ⌄

[Volume-of-Interest Aware Deep Neural Networks for Rapid Chest CT-Based COVID-19 Patient Risk Assessment 🔗](#)

Author(s): Anargyros Chatzitofis, Pierandrea Cancian, Vasileios Gkitsas, Alessandro Carlucci, Panagiotis Stalidis, Georgios Albanis, Antonis Karakottas, Theodoros Semertzidis, Petros Daras, Caterina Giannitto, Elena Casiraghi, Federica Mrakic Sposta, Giulia Vatteroni, Angela Ammirabile, Ludovica Lofino, Pasquala Ragucci, Maria Elena Laino, Antonio Voza, Antonio Desai, Maurizio Cecconi, Luca Balzarini, Arturo
Published in: International Journal of Environmental Research and Public Health, Issue 18/6, 2021, Page(s) 2842, ISSN 1660-4601
Publisher: Int. J. Environ. Res. Public Health
DOI: 10.3390/ijerph18062842

Conference proceedings (4) ⌄

Artificial Intelligence against disinformation: the FANDANGO practical case
Author(s): F. Nucci, S. Boi, M. Magaldi
Published in: IFDAD 2020, 2020
Publisher: IFDAD

Embedding Big Data in Graph Convolutional Networks
Author(s): G. Palaiopanos, P. Stalidis, T. Semertzidis, N. Vretos, P. Daras
Published in: 2019 IEEE International Conference on Engineering, Technology and Innovation, 2019
Publisher: IEEE

FANDANGO un approccio centrato sulla AI per contrastare la disinformazione
Author(s): Francesco Nucci, Massimo Magaldi, Luca Bevilacqua
Published in: Ital-IA, 2019
Publisher: Ital-IA

A Multi-Modal approach for FAke News discovery and propagation from big Data ANalysis and artificial inteliGence Operations
Author(s): D. Martín-Gutiérrez, G. Hernández-Peñaloza, J.M. Menéndez, F. Álvarez

Published in: NEM Summit, 2020
Publisher: Nem summit

Datasets

Datasets via OpenAIRE (1)

Dataset related to article "Volume-of-Interest Aware Deep Neural Networks for Rapid Chest CT-Based COVID-19 Patient Risk Assessment" [↗]
Author(s): Anargyros Chatzitofis; Pierandrea Cancian; Vasileios Gkitsas; Alessandro Carlucci; Panagiotis Stalidis; Georgios Albanis; Antonis Karakottas; Theodoros Semertzidis; Petros Daras; Caterina Giannitto; Elena Casiraghi; Federica Mrakic Sposta; Giulia Vatteroni; Angela Ammirabile; Ludovica Lofino; Pasquala Ragucci; Maria Elena Laino; Antonio Voza; Antonio Desai; Maurizio Cecconi; Luca Balzarini; Arturo Chiti; Dimitrios Zarpalas; Victor Savevski
Published in: Zenodo

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Permalink: https://cordis.europa.eu/project/id/780355/results

European Union, 2025