EU RESEARCH AND INNOVATION PROJECTS IN ARTIFICIAL INTELLIGENCE

DISINFORMATION

April 2021

The Commission is proposing rules to ensure AI technology is trustworthy and a set of actions to boost AI excellence and strengthen Europe's leading position in the development of human-centric, sustainable, secure and inclusive AI. The Commission will continue to fund AI-projects that benefits people, businesses and governments.

Some examples of EU-funded research and innovation projects using Artificial Intelligence to advance our knowledge and provide solutions in the fight against disinformation.

IMPROVING PANDEMIC RESPONSE

The objective of the **HERoS project** is to improve the efficiency of the response to the coronavirus outbreak. It aims to help responders to public health emergencies make informed decisions. To this end, the project is developing a new method for categorising and filtering information from social media to better counter coronavirus rumours and misinformation.

EU contribution: € 2 860 000

HUMANS AND AI IN THE FIGHT AGAINST DIGITAL HATE AND DISINFORMATION

In 2016, the European Commission launched the Code of Conduct together with major IT companies in an effort to respond rapidly to the proliferation of hate speech online. In this fight against online hate speech, the **AI4Dignity project** will investigate the role of artificial intelligence (AI).

EU contribution: € 150 000

AI AND FREEDOM OF EXPRESSION: IMPLICATIONS FOR DEMOCRACY

The use of algorithms in digital media to personalise content has important implications for the democratic role of the media. The **PERSONEWS project** is one of the first to examine, in depth, the impact of algorithmic news recommendations for both users and news media providers. It is shedding important light on how much we should really be concerned and what safeguards and innovations we can put in place to ensure the ongoing protection of freedom of expression and media diversity.

EU contribution: € 1 480 000

FAKE NEWS DETECTION IN SOCIAL NETWORKS USING GEOMETRIC DEEP LEARNING

The GoodNews project applies deep learning technology for the detection of fake news. It aims to build the technological capability for algorithmic fake news detection in social media using a novel paradigm. Instead of following the traditional approach of analysing the news content, it will analyse the news spreading patterns in social networks. The algorithmic core of this project is based on a novel class of geometric deep learning algorithms developed in the LEMAN (Learning on Manifolds and Graphs) project.

EU contribution: € 150 000

AI TO HELP DETECT FAKE NEWS

The FANDANGO project aims to aggregate and verify different typologies of news data, media sources, social media, open data, so as to detect fake news and provide a more efficient and verified communication for all European citizens. As such, the project aims to break data interoperability barriers providing unified techniques and an integrated big data platform to support traditional media industries to face the new "data" news economy with increased transparency under the Responsible, Research and Innovation prism.

EU contribution: € 2 880 000

WIDER AND ENHANCED VERIFICATION

The WeVerify project aims at addressing advanced content verification challenges through a participatory verification approach, open source algorithms, low-overhead human-in-the-loop machine learning and intuitive visualizations. Social media and web content will be analysed for detection of disinformation; contextualised within the broader social web and media ecosystem; and misleading and fabricated content will be exposed as such, both through micro-targeted debunking and a blockchain-based public database of known fakes.

EU contribution: € 2 500 000

FIGHTING FAKE NEWS WITH TRUST AT THE TIMES OF COVID-19

The SocialTruth project is developing an innovative and distributed platform aimed at verifying content and author credibility and detecting disinformation on social media; The platform includes a "Digital Companion" which can be used by both professionals (i.e. journalists) and individuals (social media users).

EU contribution: € 2 500 000

PROVIDING VERIFICATION ASSISTANCE FOR NEW CONTENT

The Provenance project is developing a secure and distributed solution for content verification equipped with tools and technologies for multimedia verification.

EU contribution: € 2 439 000

MAKING IT EASIER TO VERIFY ONLINE CONTENT

The Eunomia project is prototyping a decentralised, intermediary-free and open-source solution for determining the original source of a piece of content on social media; how the content has spread and been modified in an information cascade; and how likely the content is to be trustworthy.

EU contribution: € 2 455 000

More funded projects in the fight against disinformation available here

MORE INFORMATION ON HOW
Research and Innovation contributes to AI policy

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