

EPRS

EUROPEAN
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RESEARCH
SERVICE



European Science-Media Hub

Tackling disinformation in science

Bringing scientists, journalists and policymakers
together : communicate better sound science to all!

Vitalba Crivello
Varese, 9 December 2019

<https://sciencemediahub.eu>

ESMH Our Projects



01 Training for journalists

This are opportunities for journalists to follow seminars & help improve their ability to identify trustworthy sources and report on sound science.

02 Knowledge sharing

Make information available to journalists, other media and citizens about new scientific developments and scientific topics that attract media attention.

03 Media monitoring & Intelligence

Tools to follow the most popular topics in science & tech on different platforms, magazines, newspapers and social media.

04 Networking

Create a common working platform among policymakers, scientists and media involving science, academia, educational and research organizations.



Trainings for Journalists

Trainings for Journalists



For whom ?

This trainings are made for journalists and all media representatives.



How ?

We organize physical or online seminars on current technological developments.



For ?

The goal is to improve the ability to identify trustworthy sources & report on sound science.



“Fighting Disinformation in the digital Age”

Seminar for journalists

A debate with key experts on the use of technology and analytical techniques in the context of contemporary electoral campaigns.

Tuesday 6 & Wednesday 7 November 2018 - European Parliament, Brussels.



Want
to
talk
to
the
press

“Tackling disinformation and misinformation in science”

Seminar for journalists

Scientists and journalists teamed up to discuss about the need to ensure
better circulation of sound scientific information.

Wednesday 6 February 2019 - European Parliament, Brussels



NEWS



“AI & Journalism”

ESMH Summer school for young journalists

An overview of AI and journalism, exploring some selected issues like algorithms and ethics. The programme included hands-on trainings on the use of new technologies for digital communication as well as the discussions of the case studies on the potential impact of AI on journalism and communication.

Tuesday 4 June-Friday 7 June 2019 - European Parliament, Strasbourg.



Knowledge
Sharing



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EUROPEAN SCIENCE-MEDIA HUB

BRINGING SCIENTISTS, JOURNALISTS AND POLICYMAKERS TOGETHER : COMMUNICATE BETTER SOUND SCIENCE TO ALL!

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rise and limitations
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A website for Everybody

Communicate better sound science to all

Our website makes information available to journalists, other media and citizens about new scientific developments, as well as about scientific topics that attract media attention and promote information based on evidence.

<https://sciencemediahub.eu>

EUROPEAN TECH INITIATIVES FIGHTING DISINFORMATION

13 European projects against Disinformation

ColInform

A Horizon 2020 EU-funded project to promote the interaction between researchers, journalists, private sector, non-profit sector and citizens against misinformation

Comrades

A H2020 EU project developing open-source, community resilience platform, designed by communities, for communities, to help them reconnect, respond to, and recover from crisis situations. It is developing technology for detecting crisis-related misinformation.

Dante

DANTE supports law enforcement authorities and counter terrorisms in their everyday work. The proposed system will reduce the required investigation time by utilizing automatic processes for detecting relevant terrorist-related data in surface/deep/ dark web.

Eunomia

The Eunomia project aims to assist users in determining the trustworthiness of social media information by providing a platform and software tools enabling users to vote on the trustworthiness of each social media post.

Fandango

It verifies 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 in three specific domains Climate, Immigration and European Context.

InVid

InVID has developed services to detect, authenticate and check the reliability and accuracy of newsworthy video files and video content spread via social media.

PHEME

The PHEME project develops machine learning algorithms to identify, track, and verify the veracity of online rumours.

Provenance

This project will develop an intermediary-free platform to content verification. It will use blockchain to record, in a secure and verifiable manner, multimedia content that is uploaded and registered by content creators or identified by monitoring social media content.

Reveal

The REVEAL project developed technology for image verification and high-level analysis of social media, including reputation, influence and credibility of information.

SoBigData

The SoBigData project is developing a research infrastructure (RI) for large-scale social media analysis. Analysis of online disinformation and social debates during elections is one of the target application.

SOMA

The European Observatory Against Disinformation coordination action will support experts by providing them with useful disinformation detection and analysis tools and infrastructure and connection with a wide community of experts working in this area.

SocialTruth

SocialTruth aims to create an open, democratic, pluralistic and distributed ecosystem, providing easy access to content verification services, ensuring scalability and establishing trust in a completely decentralized environment.

WeVerify

WeVerify is developing an advanced content verification platform for collaborative, decentralised content verification, tracking, based on human-in-the-loop machine learning algorithms. Misleading and fabricated content will be exposed as such, both through micro-targeted debunking and a blockchain-based public database of known fakes.

12 THINGS WE CAN DO NOW TO PREPARE FOR DEEPFAKES

recommended by the WITNESS organization

01

De-escalate rhetoric

... and recognise that this is an evolution, not a rupture of existing problems, and that our words create many of the harms we fear.

02

Recognise existing harms

... that are manifest in gender-based violence and cyberbullying.

03

Inclusion and human rights

Demand that responses reflect, and be shaped by, a global and inclusive approach, as well as by a shared human rights vision.

04

Global threat models

Identify threat models and desired solutions from a global perspective.

05

Building on existing expertise

Promote cross-disciplinary and multiple solution approaches, building on existing expertise in misinformation, fact-checking, and open-source intelligence (OSINT).

06

Connective tissue

Empower key frontline actors like media and civil liberties groups to better understand the threat and connect to other stakeholders/experts.

07

Coordination

Identify appropriate coordination mechanisms between civil society, media, and technology platforms around the use of synthetic media.

08

Platform and tool-maker responsibility

Determine what we want & don't want from platforms & companies commercialising tools or acting as channels for distribution, including in terms of authentication, manipulation detection tools, & content moderation based on what platforms find.

09

Shared detection capacity

Prioritise shared detection systems and advocate that investment in detection matches investment in synthetic media creation approaches.

10

Research

Support research into how to communicate 'invisible-to-the-eye' video manipulation and simulation to the public.

11

Shape debate on infrastructure choices

... and understand the pros and cons of who, globally, will be included, excluded, censored, silenced, and empowered by the choices we make on authenticity or content moderation.

12

Promote ethical standards

... on usage in political and civil society campaigning.



Media Intelligence



Media Intelligence



Europe Media Monitoring (EMM)

- **Bi-weekly ESMH Press Review**: selection of most debated scientific topics from traditional media sources
- **Live feed of data and statistics in selected categories** accessible in different, easily readable graphical ways (mid-2019)

Tools for Innovation Monitoring (TIM)

- **Identification of academics and scientific institutes**

Social Media Monitoring tool

- **Find, organise and collaboratively verify content**
- Run **analytics** on Twitter content to gather additional insight for specific items



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TWO WEEKS OF SCIENCE - ESMH PRESS REVIEW

Agriculture &
Environment

Transport & Energy

Information society

Food & Health

Science policy &
Communication

EU initiatives

Curious news



A Scientific Press Review

Most popular Science & Tech topics on mainstream media

- Published every two weeks
 - Seven reading sections
- In the spotlight: different reading angles of a trending topic
 - Based on EMM technology



The European Science
The ESMH
know

Europe Media Monitoring (EMM)

Bi-weekly ESMH Press Review
selection of most debated scientific
topics from traditional media
sources

Live feed of data and statistics in
selected categories accessible in
different, easily readable graphical
ways (mid-2019)

Information Society
Life Science
Innovation and Global Networking
Integrity
Communication
Cloud
Biological Innovation
Digital Media
Science Funding
Public Interest
Research Career
Knowledge Sharing
Knowledge Network
Citizen Science
Expertise and Knowhow
General Categories
Searches
Defined Feeds

ESMH > SciencePolicyCommunication > ESMH-Bots >

15. Oct 29. Oct 12. Nov 26. Nov 10. Dec 24. Dec 7. Jan 21. Jan 4. Feb

Chart Local Filter >

Imobiliárias Brognoli e Terraz anunciam parceria e lançam ...
noticias-terra-br 28 Mar 2019 14:20, Language: pt en fr it de >>
Uma parceria entre a Brognoli Imóveis, que atua há 63 anos na Grande Florianópolis, e a Terraz, fundada no setor imobiliário digital da capital catarinense. As duas empresas anunciaram nesta quinta, 21 de março, a união de suas forças para criar uma nova plataforma digital para o mercado imobiliário.
This article also triggered: ESMH-BigData; ESMH-AllCategories; (more info)

How Will Google's Innovation Continue Beyond Its 20th Year?
thetimes 28 Mar 2019 11:55, Language: en fr it de >>
As millions of people came online in the late 1990s they needed help figuring out what each webpage was all about. Web indexes and search engines sprang up. When Google was founded in September 1998, it had to come up with a way to organize the vast amount of information on the web.
This article also triggered: ESMH-InternetofThings; ESMH-AllCategories; (more info)

letters March 28: Gunning for change. Plus other letters to the editor March 28 Updated
theglobeandmail 28 Mar 2019 11:07, Language: en fr it de >>
Elizabeth Renzetti rightly identifies a gun ban as a safety issue for minorities, for abused or threatened women and safety of our public spaces. What almost always gets left out in the gun-ban discussion is the suicide problem.
This article also triggered: ESMH-researchercareer; ESMH-AllCategories; (more info)

Saiba como proteger
bonde 27 Mar 2019 20:57, Language: pt en fr it de >>
Não são só os computadores e aparelhos de celular que correm risco de invasão e roubo de dados. Com as feiras de internet particular por meio de equipamentos eletroeletrônicos domésticos, como televisões do tipo SmartTV, os dados também podem ser roubados.
This article also triggered: ESMH-Robotics; ESMH-AllCategories; (more info)

(Duplicate) Anti-vax movement called threat to vaccine campaigns in developing world
ottawacitizen 27 Mar 2019 12:08, Language: en fr it de >>
In this photograph taken on February 27, 2019, a Malagasy child is inoculated with Measles Vaccine during a Level 2 (CSB 2) in the village of Anivorano, North Antsiranana on the outskirts of Antsiranana. - At least 926 children were vaccinated.
This article also triggered: ESMH-AllCategories; (more info)

Anti-vax movement called threat to vaccine campaigns in developing world
ottawacitizen 27 Mar 2019 11:01, Language: en fr it de >>
In this photograph taken on February 27, 2019, a Malagasy child is inoculated with Measles Vaccine during a Level 2 (CSB 2) in the village of Anivorano, North Antsiranana on the outskirts of Antsiranana. - At least 926 children were vaccinated.
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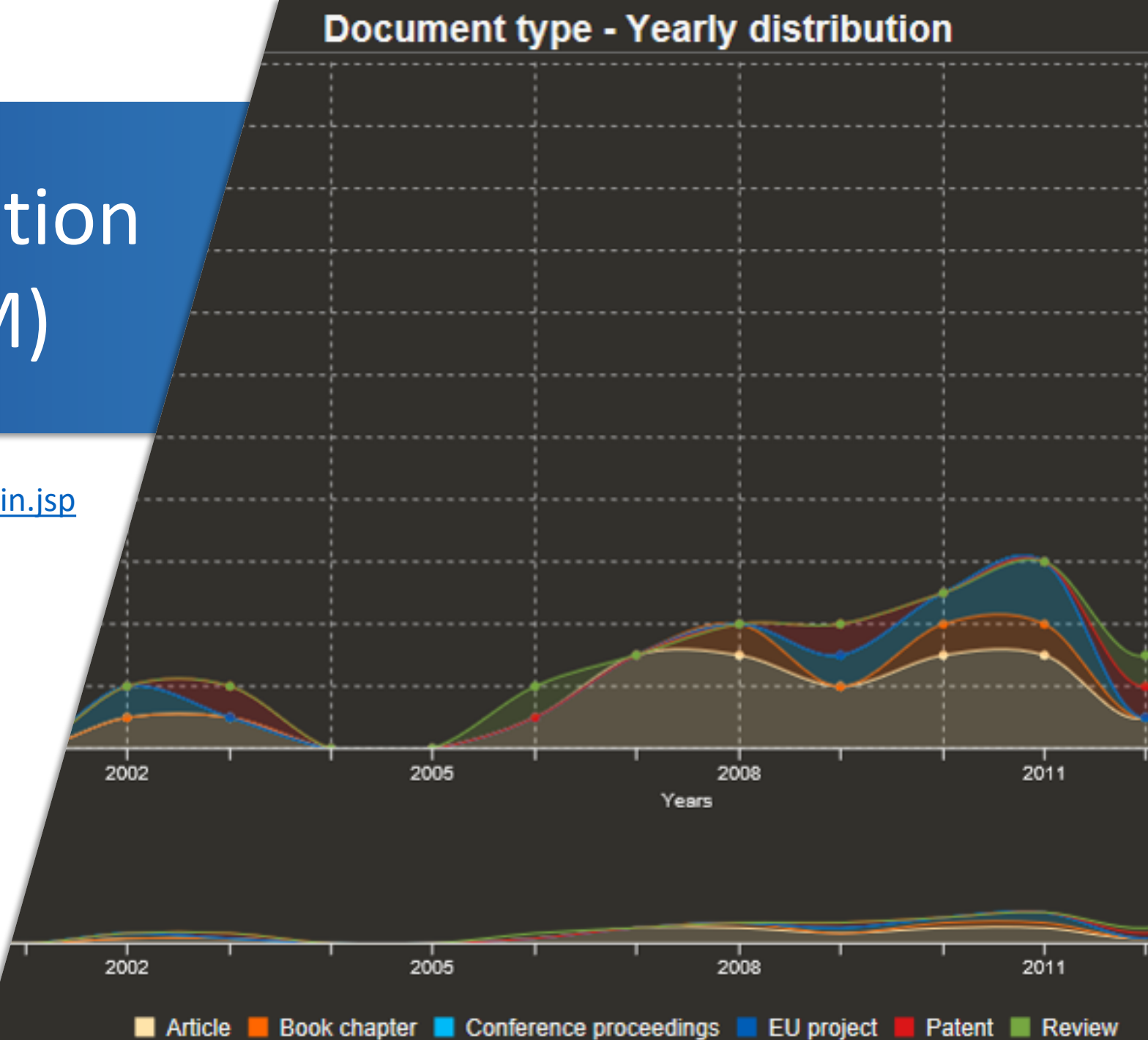
A Russian Perspective On The Ukrainian Elections - Russian TV Anchor...
memriitm 27 Mar 2019 10:41, Language: en fr it de >>
On March 31 2019, presidential elections will be held in Ukraine. The main candidates running in the election are Volodymyr Zelenskyy, a comedian, and Petro Poroshenko, former president; Yulia Tymoshenko, former premier and leader of Batkivshchyna (Fatherland); Volodymyr Zelenskyy played a key role in the election.
This article also triggered: ESMH-Cybersecurity; ESMH-AllCategories; (more info)

A user's guide to combating disinformation – how to take on dark forces
mediamonitoringafrica 27 Mar 2019 08:49, Language: en fr it de >>
At Media Monitoring Africa (MMA), we are working with social media platforms. We recently ensured that several accounts were removed, along with others which were actively spreading disinformation. 3. MMA is also working with the Internet Society to launch a world-first platform, Real411.
This article also triggered: ESMH-AllCategories; (more info)

Tools for Innovation Monitoring (TIM)

<http://tech.timanalytics.eu/TimTechnology/main.jsp>

Identification of academics and scientific institutes working on a specific science & tech topic



Social Media Monitoring

Find, organise and collaboratively verify content.

Run **analytics** on twitter content to gather additional insight for specific items.





Networking



ARE YOU AN
EXPERT
IN **SCIENCE**
COMMUNICATION?

APPLY NOW

CALL FOR EXPRESSION
OF INTEREST



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VITALBA CRIVELLO



vitalba.crivello@europarl.europa.eu



[@vitalbacrivello](https://twitter.com/vitalbacrivello)



[Vitalba Crivello](#)

Thanks!

Contact us



@Ep_ScienceTech



ESMH@europarl.europa.eu



<https://sciencemediahub.eu>