2nd Interdisciplinary WORKSHOP on...

... big data and Earth Observation services for journalists

Co-organised by

School of Journalism and Mass Communications

Supported by the EU SnapEarth project

"Fostering Earth Observation market uptake thanks to natural and holistic access to added value data generated through cutting-edge Artificial Intelligence technologies"

June 30th, 2022

11:00-12:50

Location: Information Technologies Institute - CERTH

6th Km Harilaou -Thermi, 57001, Thessaloniki, Greece

Hybrid workshop, also accessible via the following link
https://global.gotomeeting.com/join/754782973

Executive Summary of the Workshop

Cause

Users coming from the press community can find that the traditional synthesis of an article based on analysing and filtering large data sets for the purpose of creating or elevating a news story, has become nowadays more complicated and time consuming. With the rise of new deep learning and big data technologies, data from different modalities like Earth Observation (EO) images, articles and posts from Twitter can be used to provide new automatic tools for Media services and finally create new technological breakthroughs in journalism.

Furthermore, the use of new technologies (Artificial Intelligence, cloud computing) can provide added-value services for the analysis of big data, such as EO data.

Effect

SnapEarth project aims to facilitate access to Earth Observation (EO) data for non-experts thanks to EO data labelling and indexation innovations and access from the Qwant search engine. Within SnapEarth, a platform is developed that operates in a cloud environment and is designed to address the huge volume of data issues, produced from EO satellite missions, to process them and extract useful information and make this data easily accessible.

SnapEarth introduces several pilot projects, among which is the **EarthPress** pilot.

EarthPress (https://snapearth.eu/services/earth-press) is a web-based platform that aims to provide services to editors and journalists, allowing them to enrich the content of their publications and articles with EO data, by providing an almost ready to be published article.

The focus of EarthPress is disasters' reporting (e.g. floods, fires). A report with the before/after depiction of a disaster is generated and accompanied by rough statistics on the impacted area (e.g. surface, type of land cover/ land use affected) and EO images depicting the affected areas. This report is enriched with data collected from citizens journalism posted on social networks, including textual information, multimedia and processed EO images and numerical data concerning the damage that has occurred due to a disaster, e.g., the damage (in percentage) occurred in a building after an earthquake. By providing an almost ready to be published article, EarthPress allows editors and journalists to spend their time on trimming and finalizing the generated article, therefore reducing the time spent on writing an article.

Programme

11:00 – 11:10

Introduction to the workshop

Presenter: Anastasis Drosou, Centre for Research and Technology Hellas (CERTH),

11:10 – 11:30

The SnapEarth Project

- Introduction to the project's scope

Presenter: Vasiliki Avgikou, Centre for Research and Technology Hellas (CERTH)

11:30 – 12:10

The EarthPress solution

- Introduction to the EarthPress solution (scope and functionalities)
- Presentation of the EarthPress platform
- Demo presentation

Presenter: Alexandros Zamichos, Centre for Research and Technology Hellas (CERTH)

12:10 – 12:25

Coffee Break

12:25 – 12:50

Discussion session

- Completion of feedback forms
- Discussion
- Wrap-up and conclusion

Virtual Room

 [SnapEarth] 2nd National Workshop (CERTH-ITI & AUTH-SoMJ)

You can also join the meeting from your computer, tablet or smartphone.
https://global.gotomeeting.com/join/754782973

Contact

Vasiliki Avgikou. avgikou@iti.gr
Anastasios Drosou, drosou@iti.gr