

# Fact Sheet

## Earth Observation applications for climate change adaptation & mitigation: The EIFFEL project



### About

#### Objectives

Revealing the role of GEOSS as the default digital portal for building climate change adaptation and mitigation applications by offering to the Earth Observation community the ground-breaking capacity of exploiting existing GEOSS datasets.

#### What we do

##### Contribution

LIBRA AI is leading the Augmenting GEOSS data exploration activities of the project, develops the EIFFEL NLP-based cognitive search engine and a range of metadata enrichment and curation mechanisms. The company is also coordinating the partners exploitation efforts.

#### Solution

The project will develop added-value services interoperable with GEOSS using cognitive search and metadata augmentation tools based on AI, including NLP. Moreover, 5 diverse CC adaptation and mitigation applications will be deployed and evaluated during the project.

##### Impact

The cognitive search component is the backbone of the visualisation engine, that allows GEOSS Portal users and the CC apps teams, to detect GEOSS data objects that cannot get accessed with the existing search engine. In addition, Metadata augmentation tactics are critical for extracting quality and informative Metadata empowering the search results and provide further information to the end user.

### Facts

Duration: June 2020 – May 2024

EU-funding: 5 M

Call Identifier: H2020-LC-CLA-2020-2

Partners: 19 from 8 EU-countries

 [www.eiffel4climate.eu](http://www.eiffel4climate.eu)

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