Computational Analysis of Semantic Change Across Different Environments

Fact Sheet

Project Information

**CASCADE**

Grant agreement ID: 101119511

Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

€ 0,00

EU contribution

€ 2 192 270,40

Coordinated by

UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK

Ireland

Start date

1 January 2024

End date

31 December 2027

Objective

This network aims to train early-stage researchers to develop and apply innovative methodologies for Computational Analysis of Semantic Change Across Different Environments (CASCADE), i.e. to identify, analyse and interrogate how meaning is expressed in language in diverse contexts, with a shared focus on the impact of time (diachronic text analytics).

CASCADE responds to a skills deficit within the academic, public and commercial sectors: the need for people able to retrieve, critically evaluate and make better use of the large volumes of textual data that characterise our contemporary information society (the 'data deluge'). The consortium is a collaboration of some of Europe’s
world-leading universities and companies from the United Kingdom, Belgium, Finland, Ireland, and Germany.

The overall training approach will consist of beneficiaries 'matching up' to host and support 10 individual research projects, in addition to 10 secondments, and reinforced by a programme of network-wide Training Camps and Research Conventions. The key deliverables from each research project, in addition to the anticipated doctoral theses for ESRs 1 to 10, will include 12 co-authored articles for experts, Wikipedia articles for a general audience, and new software and algorithms.

The network's unique selling point for potential researchers is its emphasis on computational linguistics and humanities scholarship as skills that bring value and competitive edge to organisations concerned with semantically-aware information retrieval. These organisations might be academic or commercial, involved in early stage R&D (methods development) or early adoption of new methods (methods application).

**Fields of science**

natural sciences > computer and information sciences > software

**Keywords**

diachronic text analysis  
distributional semantics  
concept modelling  
machine learning  
history of ideas  
data economy  
large text datasets

**Programme(s)**

HORIZON.1.2 - Marie Skłodowska-Curie Actions (MSCA)

**Topic(s)**

HORIZON-MSCA-2022-DN-01-01 - MSCA Doctoral Networks 2022

**Call for proposal**

HORIZON-MSCA-2022-DN-01
Funding Scheme

HORIZON-TMA-MSCA-DN - HORIZON TMA MSCA Doctoral Networks

Coordinator

UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK
Net EU contribution
€ 572 976,00

Address
Western road
T12 YN60 Cork
Ireland

Region
Ireland > Southern > South-East

Activity type
Higher or Secondary Education Establishments

Links

Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

Participants (3)

KATHOLIEKE UNIVERSITEIT LEUVEN
Belgium
Net EU contribution
€ 525 240,00

Address
Oude markt 13
3000 Leuven

Region
Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network

Other funding
€ 0,00

HELSINGIN YLIOPISTO
Finland

Net EU contribution
€ 572 976,00

Address
Yliopistonkatu 3
00014 Helsingin yliopisto

Region
Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network

Other funding
€ 0,00

UNIVERSITAT DES SAARLANDES
Germany

Net EU contribution
Partners (9)

Lexical Computing Ltd

United Kingdom

Net EU contribution

€ 0.00

Address

Freshfield rd 71
BN2 0BL Brighton

SME

Yes

Region

South East (England) > Surrey, East and West Sussex > Brighton and Hove

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
UNIVERSITY OF GLASGOW

United Kingdom

Net EU contribution
€ 0,00

Address
University avenue
G12 8QQ Glasgow

Region
Scotland > West Central Scotland > Glasgow City

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

UNIVERSITAT ZU KOLN

Germany

Net EU contribution
€ 0,00

Address
Albertus magnus platz
50931 Köln

Region
Nordrhein-Westfalen > Köln > Köln, Kreisfreie Stadt

Activity type
Higher or Secondary Education Establishments

Links
UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN

Ireland

Net EU contribution

€ 0,00

Address

Belfield
4 Dublin

Region

Ireland > Eastern and Midland > Dublin

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding

€ 0,00

STICHTING NETHERLANDS E-SCIENCE CENTER

Netherlands

Net EU contribution

€ 0,00

Address

Science park 402
1098 XH Amsterdam

Region

West-Nederland > Noord-Holland > Groot-Amsterdam
VICESSE RESEARCH GMBH

Austria

Net EU contribution

€ 0,00

Address
Paulanergasse 4/8
1040 Vienna

Region
Ostösterreich > Wien > Wien

Activity type
Research Organisations

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN - KNAW

Netherlands

Net EU contribution

€ 0,00

Address
Kloveniersburgwal 29 het tripenhuis
1011 JV Amsterdam
West-Nederland > Noord-Holland > Groot-Amsterdam

Activity type
Research Organisations

Links
- Contact the organisation
- Website
- Participation in EU R&I programmes
- HORIZON collaboration network

Other funding
€ 0,00

James Hallam Ltd
United Kingdom
Net EU contribution
€ 0,00
Address
156 south street
RH4 2HF Dorking

South East (England) > Surrey, East and West Sussex > East Surrey

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
- Contact the organisation
- Participation in EU R&I programmes
- HORIZON collaboration network

Other funding
€ 0,00

THE UNIVERSITY OF SHEFFIELD
United Kingdom
Net EU contribution
€ 0,00
Address
Firth court western bank
S10 2TN Sheffield

Region
Yorkshire and the Humber > South Yorkshire > Sheffield

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

EC signature date 10 July 2023
Last update: 14 July 2023

Permalink: https://cordis.europa.eu/project/id/101119511

European Union, 2023