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Gaia European Network for Improved data User Services

Fact Sheet

Project Information

GENIUS

Grant agreement ID: 606740

Project closed

Start date
20 September 2013

End date
1 April 2017

Funded under
Specific Programme "Cooperation": Space

Total cost
€ 3 214 358,62

EU contribution
€ 2 493 463,00

Coordinated by
UNIVERSITAT DE BARCELONA
 Spain

This project is featured in...



Objective

GENIUS is designed to boost the impact of the next European breakthrough in astrophysics, the Gaia astrometric mission. Gaia is an ESA Cornerstone mission scheduled for launch in October 2013 and aims at producing the most accurate and complete 3D map of the Milky Way to date. A pan-European consortium named DPAC is working on the implementation of the Gaia data processing, of which the final result will be a catalogue and data archive containing more than one billion objects. The archive system containing the data products will be located at the European Space Astronomy Centre (ESAC) and will serve as the basis for the scientific exploitation of the Gaia data. The design, implementation, and operation of this archive are a task that ESA has opened up to participation from the European scientific community. GENIUS is aimed at significantly contributing to this development based on the following principles: an archive design driven by the needs of the user community; provision of exploitation tools to maximize the scientific return; ensuring the quality of the archive contents and the interoperability with existing and future astronomical archives (ESAC, ESO, ...); cooperation with the only other two astrometric missions in the world, nanoJASMINE and JASMINE (Japan); and last but not least, the archive will facilitate outreach and academic activities to foster the public interest in science in general and astronomy in particular. GENIUS fits seamlessly into existing Gaia activities, exploiting the synergies with ongoing developments. Its members actively participate in these ongoing tasks and provide an in-depth knowledge of the mission as well as expertise in key development areas. Furthermore, GENIUS has the support of DPAC, several Gaia national communities in the EU member states, and will establish cooperation with the Japanese astrometric missions already mentioned.

Fields of science (EuroSciVoc)

[natural sciences](#) > [physical sciences](#) > [astronomy](#) > **[astrophysics](#)**

[natural sciences](#) > [computer and information sciences](#) > [data science](#) > **[data processing](#)**



Programme(s)

[FP7-SPACE - Specific Programme "Cooperation": Space](#)

Topic(s)

Call for proposal

FP7-SPACE-2013-1

[See other projects for this call](#)

Funding Scheme

[CP-FP - Small or medium-scale focused research project](#)

Coordinator



UNIVERSITAT DE BARCELONA

EU contribution

€ 615 439,68

Total cost

No data

Address

GRAN VIA DE LES CORTS CATALANES 585

08007 Barcelona

 **Spain** 

Region

Este > Cataluña > Barcelona

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (13)



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

 France

EU contribution

€ 454 036,40

Address

RUE MICHEL ANGE 3

75794 Paris 

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



THE UNIVERSITY OF EDINBURGH

 United Kingdom

EU contribution

€ 360 893,25

Address

OLD COLLEGE, SOUTH BRIDGE

EH8 9YL Edinburgh 

Region

Scotland > Eastern Scotland > Edinburgh

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



UNIVERSITEIT LEIDEN

 Netherlands

EU contribution

€ 389 352,75

Address

RAPENBURG 70

2311 EZ Leiden 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



CONSORCI DE SERVEIS UNIVERSITARIS DE CATALUNYA

 Spain

EU contribution

€ 133 800,00

Address

CALLE DEL GRAN CAPITA 2 NEXUS BUILDING

03034 Barcelona 

Region

Este > Cataluña > Barcelona

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



ISTITUTO NAZIONALE DI ASTROFISICA

Italy

EU contribution

€ 100 080,00

Address

VIALE DEL PARCO MELLINI 84
00136 Roma

Region

Centro (IT) > Lazio > Roma

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

Spain

EU contribution

€ 8 766,92

Address

CALLE SERRANO 117
28006 Madrid

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)

Total cost
No data



UNIVERSITE DE GENEVE

 Switzerland

EU contribution

€ 50 000,40

Address

RUE DU GENERAL DUFOUR 24
1211 Geneve 

Region

Schweiz/Suisse/Svizzera > Région lémanique > Genève

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#) 
- [Website](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost
No data



UNIVERSITE LIBRE DE BRUXELLES

 Belgium

EU contribution

€ 49 980,00

Address

AVENUE FRANKLIN ROOSEVELT 50
1050 Bruxelles / Brussel 

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



FUNDACAO DA FACULDADE DE CIENCIAS DA UNIVERSIDADE DE LISBOA FP

Portugal

EU contribution

€ 86 000,40

Address

CAMPO GRANDE EDIFICIO C1 PISO 3
1749 016 Lisboa

Region

Continente > Área Metropolitana de Lisboa > Área Metropolitana de Lisboa

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



UNIVERSITY OF BRISTOL

United Kingdom

EU contribution

€ 29 982,00

Address

BEACON HOUSE QUEENS ROAD
BS8 1QU Bristol

Region

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE

 United Kingdom

EU contribution

€ 152 731,20

Address

TRINITY LANE THE OLD SCHOOLS
CB2 1TN Cambridge 

Region

East of England > East Anglia > Cambridgeshire CC

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



KOKURITSU DAIGAKU HOJIN KYOTO DAIGAKU

 Japan

EU contribution

€ 49 200,00

Address

YOSHIDA HONMACHI 36-1 SAKYO KU

606 8501 Kyoto 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



INSTITUTO NACIONAL DE TECNICA AEROESPACIAL ESTEBAN TERRADAS

 Spain

EU contribution

€ 13 200,00

Address

CR TORREJON AJALVIR KM 4 2

28850 Torrejon De Ardoz Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data

Last update: 10 March 2023

Permalink: <https://cordis.europa.eu/project/id/606740>

European Union, 2025

