

 Content archived on 2024-06-18



Gravitational Wave Initial Training Network

Fact Sheet

Project Information

GRAWITON

Grant agreement ID: 606176

[Project website](#) 

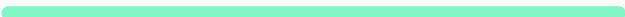
Project closed

Start date

1 February 2014

End date

31 January 2018



Funded under

Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities (2007 to 2013)

Total cost

€ 3 670 303,56

EU contribution

€ 3 670 303,56

Coordinated by

EUROPEAN GRAVITATIONAL
OBSERVATORY(EGO)
(OSSERVATORIO GRAVITAZIO
NALEEUROPEO)

 Italy

This project is featured in...



Objective

The GraWIToN project aims to train 13 ESRs in the gravitational wave search field. This research field is in an impressive expansion period, thank to a new generation of detector under installation in these years, to the promise of the exciting discovery in 5 years from now of this kind of signal, predicted in the General Relativity of Einstein, to the enlarging of the world wide scientific community, with new actors coming from emerging countries and thanks to the boosting action due to the Einstein Telescope project, previously supported by the European Commission with the FP7-Design Study tool. The ESRs will be embedded in this exciting research environment and will be trained in the cutting edge technologies adopted in the Gravitational Wave detectors. Complex optical apparatuses, high power and low noise lasers, high reflective coatings, optical simulation and modelling using parallel computing systems are the crucial technologies used in gravitational wave detectors that are extremely interesting in the industrial sector, as highlighted by the participation of 3 private companies as full participants and one as associated partner. The multidisciplinary aspect is completed by the astrophysics training, fundamental for a future researcher in this field, and by an expressly multidisciplinary module, addressed to the management and outreaching skills. The participation to this project of research institutes and universities will guarantee the possibility for the ESR to achieve to doctorate degree.

Fields of science (EuroSciVoc)

[natural sciences](#) > [physical sciences](#) > [relativistic mechanics](#)

[natural sciences](#) > [physical sciences](#) > [astronomy](#) > [observational astronomy](#) > [gravitational waves](#)

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

[engineering and technology](#) > [materials engineering](#) > [coating and films](#)

[natural sciences](#) > [physical sciences](#) > [optics](#) > [laser physics](#)



Programme(s)

[FP7-PEOPLE - Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities \(2007 to 2013\).](#)

Topic(s)

[FP7-PEOPLE-2013-ITN - Marie-Curie Action: "Initial Training Networks"](#)

Call for proposal

FP7-PEOPLE-2013-ITN
[See other projects for this call](#)

Funding Scheme

[MC-ITN - Networks for Initial Training_\(ITN\).](#)

Coordinator



EUROPEAN GRAVITATIONAL OBSERVATORY(EGO) (OSSERVATORIO GRAVITAZIO NALEEUROPEO)

EU contribution

€ 393 769,86

Total cost

No data

Address

**VIA EDOARDO AMALDI SANTO STEFANO A MACERATA
56021 Cascina**

 **Italy** 

Region

Centro (IT) > Toscana > Livorno

Activity type

Research Organisations

Links

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

Participants (8)



ISTITUTO NAZIONALE DI FISICA NUCLEARE

Italy
EU contribution
€ 788 513,88

Address
Via Enrico Fermi 54
00044 Frascati
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



LZH LASERZENTRUM HANNOVER EV

Germany
EU contribution
€ 239 668,88

Address
HOLLERITHALLEE 8
30419 Hannover

Region

Activity type

Research Organisations

Links

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

Total cost

No data



MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV

Germany

EU contribution

€ 492 537,76

Address

HOFGARTENSTRASSE 8
80539 Munchen

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

Total cost

No data



GOOCH & HOUSEGO (UK) LIMITED

United Kingdom

EU contribution

€ 302 656,64

Address

DOWLISH FORD
TA19 0PF ILMINSTER 

Region
South West (England) > Dorset and Somerset > Somerset

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](#) 

Total cost
No data



THE UNIVERSITY OF BIRMINGHAM

 United Kingdom
EU contribution
€ 618 513,28

Address
Edgbaston
B15 2TT Birmingham 

Region
West Midlands (England) > West Midlands > Birmingham

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



UNIVERSITY OF GLASGOW

 United Kingdom
EU contribution

€ 302 656,64

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](#) 

Total cost

No data



BOOSTEC SA

 France

EU contribution

€ 273 548,66

Address

Zone Industrielle
65450 BAZET 

Activity type

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

Links

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

Total cost

No data



UNIVERSITA DI PISA

 Italy

EU contribution

€ 258 437,96

Address

LUNGARNO PACINOTTI 43/44

56126 Pisa 

Region

Centro (IT) > Toscana > Pisa

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

Last update: 3 April 2017

Permalink: <https://cordis.europa.eu/project/id/606176>

European Union, 2025