



European Microkelvin Platform

Fact Sheet

Project Information

EMP

Grant agreement ID: 824109

[Project website](#)

DOI

[10.3030/824109](https://doi.org/10.3030/824109)

Project closed

EC signature date

13 December 2018

Start date

1 January 2019

End date

31 December 2023

Funded under

EXCELLENT SCIENCE - Research Infrastructures

Total cost

€ 9 984 192,66

EU contribution

€ 9 941 065,75

Coordinated by

RUPRECHT-KARLS-
UNIVERSITAET HEIDELBERG



Germany

Project description

Improved platform for ultra-low temperature physics research

The European Microkelvin Platform is an advanced European research infrastructure in the field of ultra-low temperature and ultra-sensitive measurement techniques with a specific focus on quantum technologies and quantum materials. The platform is continuously evolving, building on the advances achieved through previous infrastructure calls. A consortium of 17 partners from both academia and the private sector joined forces in the EU-funded EMP project to provide a comprehensive portfolio of capabilities to enhance the European research effort and innovation

potential in ultra-low temperature physics. Partners will focus on improving and upgrading the infrastructure since the lowest accessible temperatures are continuously falling.

Fields of science (EuroSciVoc)

[humanities](#) > [philosophy, ethics and religion](#) > **[philosophy](#)**



Keywords

[matter under extreme conditions](#)

[ultra-low temperatures](#)

Programme(s)

[H2020-EU.1.4. - EXCELLENT SCIENCE - Research Infrastructures](#)

MAIN PROGRAMME

[H2020-EU.1.4.1.2. - Integrating and opening existing national and regional research infrastructures of European interest](#)

Topic(s)

[INFRAIA-01-2018-2019 - Integrating Activities for Advanced Communities](#)

Call for proposal

[H2020-INFRAIA-2018-2020](#)

[See other projects for this call](#)

Sub call

H2020-INFRAIA-2018-1

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



RUPRECHT-KARLS-UNIVERSITAET HEIDELBERG

Net EU contribution

€ 1 244 858,00

Total cost

€ 1 244 858,75

Address

SEMINARSTRASSE 2

69117 Heidelberg

Germany

Region

Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Participants (16)



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

France

Net EU contribution

€ 947 140,00

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

€ 947 140,00



AALTO KORKEAKOULUSAATIO SR

 Finland

Net EU contribution

€ 1 238 172,00

Address

OTAKAARI 1

02150 Espoo 

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](#) 

Total cost

€ 1 238 172,50



USTAV EXPERIMENTALNEJ FYZIKY SLOVENSKEJ AKADEMIE VIED

 Slovakia

Net EU contribution

€ 1 062 735,00

Address

WATSONOVA 47

04001 Kosice 

Region

Slovensko > Východné Slovensko > Košický kraj

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

€ 1 062 735,00



UNIVERSITAT BASEL

Switzerland

Net EU contribution

€ 938 022,00

Address

PETERSPLATZ 1
4051 Basel

Region

Schweiz/Suisse/Svizzera > Nordwestschweiz > Basel-Stadt

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

€ 938 022,00



ROYAL HOLLOWAY AND BEDFORD NEW COLLEGE

United Kingdom

Net EU contribution

€ 1 298 356,75

Address

EGHAM HILL UNIVERSITY OF LONDON
TW20 0EX Egham

Region

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

€ 1 298 356,75



TECHNISCHE UNIVERSITAET WIEN

Austria

Net EU contribution

€ 840 415,00

Address

KARLSPLATZ 13
1040 Wien

Region

Ostösterreich > Wien > Wien

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

€ 840 415,00



UNIVERSITY OF LANCASTER

United Kingdom

Net EU contribution

€ 1 289 157,00

Address

BAILRIGG
LA1 4YW Lancaster 

Region

North West (England) > Lancashire > Lancaster and Wyre

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 1 289 157,66



PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

 Germany

Net EU contribution

€ 144 625,00

Address

BUNDESALLEE 100
38116 Braunschweig 

Region

Niedersachsen > Braunschweig > Braunschweig, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 144 625,00



CHALMERS TEKNISKA HOGSKOLA AB

 Sweden

Net EU contribution

€ 156 000,00

Address

-

412 96 Goteborg 

Region

Södra Sverige > Västsverige > Västra Götalands län

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 156 000,00



MAGNICON GMBH

 Germany

Net EU contribution

€ 172 500,00

Address

BARKHAUSENWEG 11

22339 Hamburg 

SME 

Yes

Region

Hamburg > Hamburg > Hamburg

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

€ 172 500,00



LEIDEN CRYOGENICS BV

 Netherlands

Net EU contribution

€ 117 500,00

Address

GALGEWATER 21

2311 VZ Leiden 

SME 

Yes

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

€ 117 500,00



TEKNOLOGIAN TUTKIMUSKESKUS VTT OY

 Finland

Net EU contribution

€ 209 110,00

Address

TEKNIIKANTIE 21

02150 Espoo 

Region

Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 209 110,00



CRYOCONCEPT FRANCE

 France

Net EU contribution

€ 58 750,00

Address

4 AVENUE DES ANDES
91940 Les Ulis 

SME 

Yes

Region

Ile-de-France > Ile-de-France > Essonne

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

€ 58 750,00



BASEL PRECISION INSTRUMENTS GMBH

 Switzerland

Net EU contribution

€ 159 350,00

Address

KLINGELBERGSTR 82 DEPT PHYSIK UNI BASEL
4056 Basel 

SME 

Yes

Region

Schweiz/Suisse/Svizzera > Nordwestschweiz > Basel-Stadt

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

€ 159 350,00



OXFORD INSTRUMENTS NANOTECHNOLOGY TOOLS LIMITED

United Kingdom

Net EU contribution

€ 64 375,00

Address

TUBNEY WOODS
OX13 5QX Abingdon



Region

South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Oxfordshire

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

€ 64 375,00



BLUEFORS OY

Finland

Net EU contribution

€ 0,00

Address

ARINATIE 10
00370 Helsinki



SME



Yes

Region

Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

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

€ 43 125,00

Last update: 15 April 2025

Permalink: <https://cordis.europa.eu/project/id/824109>

European Union, 2025