



PhD Research and Innovation in Synchrotron Methods and Applications in Sweden

Fact Sheet

Project Information

PRISMAS

Grant agreement ID: 101081419

DOI

[10.3030/101081419](https://doi.org/10.3030/101081419)

EC signature date

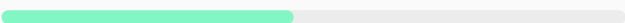
21 November 2022

Start date

1 January 2023

End date

31 December 2027



Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

No data

EU contribution

€ 5 376 000,00

Investment in EU policy priorities

Digital agenda



Clean air



Artificial Intelligence



Climate action



Biodiversity



Coordinated by

LUNDS UNIVERSITET



Sweden

Project description

Training a new cohort of scientists at Sweden’s fourth-generation synchrotron

Harnessing light-matter interactions to ‘see’ the properties and behaviours of a vast array of materials from metals to human tissue provides insight and fosters rational materials’ design for applications. Synchrotrons produce extremely intense beams of light for such purposes. The MAX IV is the world’s first fourth-generation synchrotron that is also unique in its award-winning and highly ambitious sustainability goals. With the support of the Marie Skłodowska-Curie Actions programme, the PRISMAS project will train 40 X-ray scientists at the PhD level to operate MAX IV. The new cohort will be ready to tackle some of the world’s most pressing sustainability development goals while putting the EU in a world leading position in synchrotron research.

Keywords

[synchrotron X-rays](#)

[societal challenges](#)

[interdisciplinary and intersectorial PhD training](#)

[next generation X-ray ambassadors](#)

Programme(s)

[HORIZON.1.2 - Marie Skłodowska-Curie Actions \(MSCA\)](#)

MAIN PROGRAMME

Topic(s)

[HORIZON-MSCA-2021-COFUND-01-01 - MSCA COFUND 2021](#)

Call for proposal

[HORIZON-MSCA-2021-COFUND-01](#) 

[See other projects for this call](#)

Funding Scheme

[HORIZON-TMA-MSCA-Cofund-D - HORIZON TMA MSCA Cofund Doctoral programme](#)

Coordinator



LUNDS UNIVERSITET

Net EU contribution

€ 5 376 000,00

Total cost

No data

Address

Paradisgatan 5c

22100 Lund

 Sweden 

Region

Södra Sverige > Sydsverige > Skåne län

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Partners (18)



PARTNER 

SVENSK KARNBRANSLEHANTERING AKTIEBOLAG

 Sweden

Net EU contribution

€ 0,00

Address

BOX 3091

169 03 Solna 

Region

Östra Sverige > Stockholm > Stockholms län

Activity type

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

Links

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

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

Total cost

No data



PARTNER 

VATTENFALL AB

 Sweden

Net EU contribution

€ 0,00

Address

EVENEMANGSGATAN 13

169 56 Stockholm 

Region

Östra Sverige > Stockholm > Stockholms län

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



PARTNER 

STEGRA AB

 Sweden

Net EU contribution

€ 0,00

Address

NORRA STATIONSGATAN 93

113 64 STOCKHOLM 

Region

Östra Sverige > Stockholm > Stockholms län

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



PARTNER



EUROPEAN SPALLATION SOURCE ERIC

Sweden

Net EU contribution

€ 0,00

Address

ODARSLOVSVAGEN 113
224 84 Lund



Region

Södra Sverige > Sydsverige > Skåne län

Activity type

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

Links

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

Total cost

No data



PARTNER



UNIVERSITY OF HAMBURG

Germany

Net EU contribution

€ 0,00

Address

MITTELWEG 177
20148 Hamburg 

Region
Hamburg > Hamburg > Hamburg

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



PARTNER 
ASTRAZENECA AB

 Sweden
Net EU contribution
€ 0,00

Address
Vastra Maelarhamnen
151 85 Sodertaelje 

Region
Östra Sverige > Stockholm > Stockholms län

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



PARTNER 
UNIVERSITY OF LANCASTER

 United Kingdom

Net EU contribution

€ 0,00

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

No data



PARTNER 

CHALMERS TEKNISKA HOGSKOLA AB

 Sweden

Net EU contribution

€ 0,00

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

No data



PARTNER 

UNIVERSITEIT GENT

 Belgium

Net EU contribution

€ 0,00

Address

SINT PIETERSNIEUWSTRAAT 25
9000 Gent 

Region

Vlaams Gewest > Prov. Oost-Vlaanderen > Arr. Gent

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



PARTNER 

GKN AEROSPACE SWEDEN AB

 Sweden

Net EU contribution

€ 0,00

Address

-

46181 Trollhaettan 

Region

Södra Sverige > Västsverige > Västra Götalands län

Activity type

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

Links

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

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

Total cost

No data



PARTNER 

ALFA LAVAL TECHNOLOGIES AB

 Sweden

Net EU contribution

€ 0,00

Address

RUDEBOKSVAGEN 1
221 00 Lund 

Region

Södra Sverige > Sydsverige > Skåne län

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



PARTNER 

RISE RESEARCH INSTITUTES OF SWEDEN AB

 Sweden

Net EU contribution

€ 0,00

Address

BRINELLGATAN 4
501 15 Borås 

Region

Södra Sverige > Västsverige > Västra Götalands län

Activity type

Research Organisations

Links

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

Total cost

No data



PARTNER

FORCE TECHNOLOGY

Denmark

Net EU contribution

€ 0,00

Address

PARK ALLE 345
2605 Brondby

Region

Danmark > Hovedstaden > Københavns omegn

Activity type

Research Organisations

Links

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

Total cost

No data



PARTNER

Oatly AB

Sweden

Net EU contribution

€ 0,00

Address

Företagsvägen 42
26151 Landskrona 

SME 

Yes

Region

Södra Sverige > Sydsverige > Skåne län

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



PARTNER 

FORSCHUNGSZENTRUM JULICH GMBH

 Germany

Net EU contribution

€ 0,00

Address

**WILHELM JOHNEN STRASSE
52428 Julich** 

Region

Nordrhein-Westfalen > Köln > Düren

Activity type

Research Organisations

Links

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

Total cost

No data



PARTNER 

SWERIM AB

 Sweden

Net EU contribution

€ 0,00

Address

ARONTORPSVAGEN 1

971 25 Lulea 

SME 

Yes

Region

Norra Sverige > Övre Norrland > Norrbottens län

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



PARTNER 

ALLEIMA TUBE AB

 Sweden

Net EU contribution

€ 0,00

Address

Storgatan 2

811 81 Sandviken 

Region

Norra Sverige > Norra Mellansverige > Gävleborgs län

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



PARTNER 

SKOGSSTYRELSEN

 Sweden

Net EU contribution

€ 0,00

Address

SKEPPSBROGATAN 2

551 83 Jonkoping 

Region

Södra Sverige > Småland med öarna > Jönköpings län

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

Last update: 25 November 2022

Permalink: <https://cordis.europa.eu/project/id/101081419>

European Union, 2025