



RECYCLABLE MATERIALS DEVELOPMENT at ANALYTICAL RESEARCH INFRASTRUCTURES

Fact Sheet

Project Information

ReMade-at-ARI

Grant agreement ID: 101058414

DOI

[10.3030/101058414](https://doi.org/10.3030/101058414)

EC signature date

26 May 2022

Start date

1 September 2022

End date

31 August 2026

Funded under

Research infrastructures

Total cost

€ 13 728 333,00

EU contribution

€ 13 679 983,00

Coordinated by

HELMHOLTZ-ZENTRUM
DRESDEN-ROSSENDORF EV
 Germany

Project description

Making new materials for the circular economy

The fact remains that the production and use of plastic is not a good practice in terms of the EU's Circular Economy Action Plan. The development of new materials that are not only highly recyclable but also competitively functional is more important than ever. In this context, the EU-funded ReMade-at-ARI project will serve as a central hub for the development of new materials for a circular economy. It will coordinate access to several dozen European analytical research infrastructures to spark a shift to the circular economy, which is needed to address the decrease in finite resources.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [environmental engineering](#) > [waste management](#) > [waste treatment processes](#) > **[recycling](#)**

[social sciences](#) > [economics and business](#) > [economics](#) > **[sustainable economy](#)**



Keywords

[Research Infrastructures](#)

[Circular Economy](#)

[Sustainability challenge](#)

[Materials analysis](#)

[trans-national access](#)

[ultra-high resolution materials analysis](#)

Programme(s)

[HORIZON.1.3 - Research infrastructures](#) MAIN PROGRAMME

[HORIZON.1.3.2 - Opening, Integrating and Interconnecting Research Infrastructures](#)

Topic(s)

[HORIZON-INFRA-2021-SERV-01-04 - Research infrastructures services enabling the development of materials for a circular economy](#)

Call for proposal

[HORIZON-INFRA-2021-SERV-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-RIA - HORIZON Research and Innovation Actions](#)

Coordinator



HELMHOLTZ-ZENTRUM DRESDEN-ROSSENDORF EV

Net EU contribution

€ 2 328 603,75

Total cost

€ 2 343 603,75

Address

BAUTZNER LANDSTRASSE 400

01328 Dresden

 **Germany** 

Region

Sachsen > Dresden > Dresden, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Participants (43)



RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITAT BONN

 **Germany**

Net EU contribution

€ 317 650,00

Address

REGINA PACIS WEG 3

53113 Bonn 

Region

Nordrhein-Westfalen > Köln > Bonn, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 317 650,00



LUNDS UNIVERSITET

 Sweden

Net EU contribution

€ 825 370,00

Address

Paradisgatan 5c
22100 Lund 

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](#) 

Total cost

€ 825 370,00



CONSORCIO PARA LA CONSTRUCCION EQUIPAMIENTO Y EXPLOTACION DEL LABORATORIO DE LUZ SINCROTRON

 Spain

Net EU contribution

€ 430 868,00

Address

CARRER DE LA LLUM 2-26
08290 Cerdanyola Del Valles Barcelona 

Region

Este > Cataluña > Barcelona

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

€ 430 868,00



TEKNOLOGISK INSTITUT

 Denmark

Net EU contribution

€ 640 125,00

Address

GREGERSENSVEJ 1
2630 Taastrup 

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

€ 640 125,00



LASERLAB-EUROPE AISBL

 Belgium

Net EU contribution

€ 580 000,00

Address

RUE DU TRÔNE 98
1050 Bruxelles / Brussel 

Region

Activity type

Other

Links

[Contact the organisation](#)

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

[HORIZON collaboration network](#)

Total cost

€ 934 732,00

 **THIRD-PARTY** 

STICHTING VU

 Netherlands

Net EU contribution

€ 46 872,00

Address

DE BOELELAAN 1105

1081 HV Amsterdam 

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

 **THIRD-PARTY** 

FUNDACIO INSTITUT DE CIENCIES FOTONIQUES

 Spain

Net EU contribution

€ 46 872,00

Address

AVINGUDA CARL FRIEDRICH GAUSS 3

08860 Castelldefels 

Region

Este > Cataluña > Barcelona

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data

 **THIRD-PARTY** 

FORSCHUNGSVERBUND BERLIN EV

 Germany

Net EU contribution

€ 73 500,00

Address

RUDOWER CHAUSSEE 17

12489 Berlin 

Region

Berlin > Berlin > Berlin

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data

 **THIRD-PARTY** 

INSTITUT ZA FIZIKU

 Croatia

Net EU contribution

€ 46 872,00

Address

BIJENICKA CESTA 46

10000 Zagreb 

Region

Hrvatska > Grad Zagreb > Grad Zagreb

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data

 THIRD-PARTY 

AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE

 Italy

Net EU contribution

€ 46 872,00

Address

LUNGOTEVERE GRANDE AMMIRAGLIO THAON DI REVEL 76

00196 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

 THIRD-PARTY 

CONSORCIO PARA EL DISEÑO, CONSTRUCCIÓN, EQUIPAMIENTO Y EXPLOTACION DEL CENTRO DE LASERES PULSADOS ULTRACORTOS

ULTRAI TENSOS

 Spain

Net EU contribution

€ 46 872,00

Address

EDIFICIO M5 C C/ ADAJA 8 PARQUE CIENTIFICO DE LA UNIVERSIDAD DE SALAMANCA
37185 Villamayor 

Region

Centro (ES) > Castilla y León > Salamanca

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data

 **THIRD-PARTY** 

POLITECNICO DI MILANO

 Italy

Net EU contribution

€ 46 872,00

Address

PIAZZA LEONARDO DA VINCI 32
20133 Milano 

Region

Nord-Ovest > Lombardia > Milano

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



SYNCHROTRON SOLEIL SOCIETE CIVILE

France

Net EU contribution

€ 257 702,50

Address

L ORME DES MERISIERS

91190 Saint Aubin

Region

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

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

€ 257 702,50



FYZIKALNI USTAV AV CR V.V.I

Czechia

Net EU contribution

€ 238 481,00

Address

NA SLOVANCE 1999/2

182 21 Praha 8

Region

Česko > Praha > Hlavní město Praha

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 238 481,00



UNIVERSIDADE DE COIMBRA

 Portugal

Net EU contribution

€ 304 831,00

Address

PACO DAS ESCOLAS

3004-531 Coimbra 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 304 831,00



INSTITUT MAX VON LAUE - PAUL LANGEVIN

 France

Net EU contribution

€ 376 237,50

Address

71 AVENUE DES MARTYRS

38000 Grenoble 

Region

Auvergne-Rhône-Alpes > Rhône-Alpes > Isère

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 376 237,50



USTAV FYZIKALNI CHEMIE J. HEYROVSKEHO AV CR, v. v. i.

Czechia

Net EU contribution

€ 67 875,00

Address

DOLEJSKOVA 2155/3
182 00 PRAHA

Region

Česko > Praha > Hlavní město Praha

Activity type

Other

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 67 875,00



USTAV JADERNE FYZIKY AV CR

Czechia

Net EU contribution

€ 128 150,00

Address

Husinec - Řež 130
25068 Rez - Praha

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 128 150,00




DEUTSCHES ELEKTRONEN-SYNCHROTRON DESY

 Germany

Net EU contribution

€ 994 650,00

Address

NOTKESTRASSE 85
22607 Hamburg 

Region

Hamburg > Hamburg > Hamburg

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 994 650,00



ELETTRA - SINCROTRONE TRIESTE SCPA

 Italy

Net EU contribution

€ 207 896,00

Address

SS 14 KM 163.5 AREA SCIENCE PARK
34149 Basovizza Trieste 

Region

Nord-Est > Friuli-Venezia Giulia > Trieste

Activity type

Research Organisations

Links

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

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

Total cost

€ 207 896,00



INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM

 Belgium

Net EU contribution

€ 464 500,00

Address

KAPELDREEF 75

3001 Leuven 

Region

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

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 464 500,00



IDRYMA TECHNOLOGIAS KAI EREVNAS

 Greece

Net EU contribution

€ 165 781,00

Address

N PLASTIRA STR 100

70013 Irakleio 

Region

Νησιά Αιγαίου > Κρήτη > Ηράκλειο

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 165 781,00



EUROPEAN SYNCHROTRON RADIATION FACILITY

 France

Net EU contribution

€ 1 792 387,50

Address

71 AVENUE DES MARTYRS

38000 Grenoble 

Region

Auvergne-Rhône-Alpes > Rhône-Alpes > Isère

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 1 792 387,50



UNIVERSIDAD AUTONOMA DE MADRID

 Spain

Net EU contribution

€ 417 537,50

Address

CALLE EINSTEIN 3 CIUDAD UNIV CANTOBLANCO RECTORADO

28049 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 417 537,50



CENTRAL EUROPEAN RESEARCH INFRASTRUCTURE CONSORTIUM EUROPEAN RESEARCH INFRASTRUCTURE CONSORTIUM

 Italy

Net EU contribution

€ 207 435,00

Address

SS. 14, KM 163.5 IN AREA SCIENCE PARK

34149 Trieste 

Region

Nord-Est > Friuli-Venezia Giulia > Trieste

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 240 785,00



FORSCHUNGSZENTRUM JULICH GMBH

 Germany

Net EU contribution

€ 716 776,25

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

€ 716 776,25



HELMHOLTZ-ZENTRUM BERLIN FÜR MATERIALIEN UND ENERGIE GMBH

 Germany

Net EU contribution

€ 196 009,00

Address

HAHN MEITNER PLATZ 1

14109 Berlin 

Region

Berlin > Berlin > Berlin

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 196 009,00



HELMHOLTZ-ZENTRUM HEREON GMBH

 Germany

Net EU contribution

€ 65 725,00

Address

MAX PLANCK STRASSE 1

21502 Geesthacht 

Region

Schleswig-Holstein > Schleswig-Holstein > Herzogtum Lauenburg

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 65 725,00



STICHTING RADBOUD UNIVERSITEIT

 Netherlands

Net EU contribution

€ 137 120,00

Address

HOUTLAAN 4

6525 XZ Nijmegen 

Region

Oost-Nederland > Gelderland > Arnhem/Nijmegen

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 137 120,00



HUN-REN ENERGIATUDOMANYI KUTATOKOZPONT

 Hungary

Net EU contribution

€ 154 080,00

Address

KONKOLY THEGE MIKLOS UT 29-33
1121 Budapest 

Region

Közép-Magyarország > Budapest > Budapest

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 154 080,00



TECHNISCHE UNIVERSITAET MUENCHEN

 Germany

Net EU contribution

€ 154 080,00

Address

Arcisstrasse 21
80333 Muenchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 154 080,00



UNIVERSITAT WIEN

 Austria

Net EU contribution

€ 44 500,00

Address

UNIVERSITÄTSRING 1

1010 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

€ 44 500,00



UNIVERSIDAD DE SEVILLA

 Spain

Net EU contribution

€ 33 820,00

Address

CALLE S. FERNANDO 4

41004 Sevilla 

Region

Sur > Andalucía > Sevilla

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 33 820,00



RUDER BOSKOVIC INSTITUTE

Croatia

Net EU contribution

€ 71 200,00

Address

Bijenicka cesta 54
10000 Zagreb

Region

Hrvatska > Grad Zagreb > Grad Zagreb

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 71 200,00



UPPSALA UNIVERSITET

Sweden

Net EU contribution

€ 106 800,00

Address

VON KRAEMERS ALLE 4
751 05 Uppsala

Region

Östra Sverige > Östra Mellansverige > Uppsala län

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 106 800,00



INSTITUTO SUPERIOR TECNICO

 Portugal

Net EU contribution

€ 44 500,00

Address

AVENIDA ROVISCO PAIS 1

1049 001 Lisboa 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 44 500,00



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

 France

Net EU contribution

€ 44 500,00

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

€ 44 500,00



FUNDACIO INSTITUT CATALA DE NANOCIENCIA I NANOTECNOLOGIA

 Spain

Net EU contribution

€ 274 320,00

Address

CAMPUS DE LA UAB EDIFICI Q ICN2
08193 Cerdanyola Del Valles 

Region

Este > Cataluña > Barcelona

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 274 320,00



KATHOLIEKE UNIVERSITEIT LEUVEN

 Belgium

Net EU contribution

€ 129 940,00

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](#) 

Total cost

€ 129 940,00



INSTITUT JOZEF STEFAN

 Slovenia

Net EU contribution

€ 138 840,00

Address

Jamova 39

1000 Ljubljana 

Region

Slovenija > Zahodna Slovenija > Osrednjeslovenska

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 138 840,00



CONSIGLIO NAZIONALE DELLE RICERCHE

 Italy

Net EU contribution

€ 210 000,00

Address

PIAZZALE ALDO MORO 7

00185 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

€ 210 000,00



ISTITUTO NAZIONALE DI FISICA NUCLEARE

 Italy

Net EU contribution

€ 35 600,00

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

€ 35 600,00



JYVASKYLAN YLIOPISTO

 Finland

Net EU contribution

€ 21 360,00

Address

SEMINAARINKATU 15

40100 Jyvaskyla 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 21 360,00

Partners (3)



PARTNER 

PAUL SCHERRER INSTITUT

 Switzerland

Net EU contribution

€ 0,00

Address

FORSCHUNGSTRASSE 111

5232 Villigen Psi 

Region

Schweiz/Suisse/Svizzera > Nordwestschweiz > Aargau

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



PARTNER 

EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH

 Switzerland

Net EU contribution

€ 0,00

Address

Raemistrasse 101
8092 Zuerich 

Region

Schweiz/Suisse/Svizzera > Zürich > Zürich

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 

UNITED KINGDOM RESEARCH AND INNOVATION

 United Kingdom

Net EU contribution

€ 0,00

Address

POLARIS HOUSE NORTH STAR AVENUE

SN2 1FL Swindon 

Region

South West (England) > Gloucestershire, Wiltshire and Bristol/Bath area > Swindon

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data

Last update: 13 September 2022

Permalink: <https://cordis.europa.eu/project/id/101058414>

