



PLATInum group metals Recovery Using Secondary raw materials

Fact Sheet

Project Information

PLATIRUS

Grant agreement ID: 730224

[Project website](#)

DOI
[10.3030/730224](https://doi.org/10.3030/730224)

Project closed

EC signature date
28 October 2016

Start date	End date
1 November 2016	30 April 2021

Funded under
SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials

Total cost
€ 6 994 210,00

EU contribution
€ 6 994 210,00

Coordinated by
FUNDACION TECNALIA
RESEARCH & INNOVATION
 Spain

This project is featured in...



Safety, sustainability and security for Europe's mineral processing industry

Project description

Recycling platinum group metals

Platinum group metals (PGMs) are among the rarest of Earth's elements. Widely used in the automobile, electronics and mining industries, the platinum supply cannot keep up with growing demand. Although PGMs can be recovered from secondary sources, current recycling methods are energy intensive and polluting. Therefore, the EU-funded PLATIRUS project aims to research, design and validate sustainable, low-cost technologies to separate and recover PGMs from used catalytic converters, mining and electronic equipment. It will assess and select the most efficient and cost effective technologies, which will then be demonstrated and refined. Ultimately, the project will give EU industries a competitive edge by increasing resource supplies to create new sustainable products.

Fields of science (EuroSciVoc)

[natural sciences](#) > [chemical sciences](#) > [inorganic chemistry](#) > [transition metals](#)

[engineering and technology](#) > [environmental engineering](#) > [mining and mineral processing](#)

[social sciences](#) > [economics and business](#) > [business and management](#) > [business models](#)

[natural sciences](#) > [chemical sciences](#) > [catalysis](#)



Keywords

[PGM recovery](#)

[metallurgy](#)

[hydrometallurgy](#)

[solvometallurgy](#)

[ionometallurgy](#)

Programme(s)

[H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials](#)

MAIN PROGRAMME

[H2020-EU.3.5.3. - Ensuring the sustainable supply of non-energy and non-agricultural raw materials](#)

Topic(s)

[SC5-13-2016-2017 - New solutions for sustainable production of raw materials](#)

Call for proposal

[H2020-SC5-2016-2017](#)

[See other projects for this call](#)

Sub call

H2020-SC5-2016-OneStageB

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



FUNDACION TECNALIA RESEARCH & INNOVATION

Net EU contribution

€ 1 508 508,02

Total cost

€ 1 508 508,02

Address

**PARQUE CIENTIFICO Y TECNOLOGICO DE BIZKAIA, ASTONDO BIDEA, EDIFICIO 700
48160 DERIO BIZKAIA**

 **Spain** 

Region

Noreste > País Vasco > Gipuzkoa

Activity type

Research Organisations

Links

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

Participants (12)



MONOLITHOS KATALITES KE ANAKIKLOSI ETAIREIA PERIORISMENIS EVTHINIS

Greece

Net EU contribution

€ 370 000,00

Address

VRILISSOU 83
11476 Athina



SME



Yes

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

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

€ 370 000,00



KATHOLIEKE UNIVERSITEIT LEUVEN

Belgium

Net EU contribution

€ 746 362,50

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](#) 

[HORIZON collaboration network](#) 

Total cost

€ 746 362,50



TECHNISCHE UNIVERSITAET WIEN



Austria

Net EU contribution

€ 355 820,00

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

€ 355 820,00



VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V.



Belgium

Net EU contribution

€ 1 310 633,75

Address

BOERETANG 200

2400 Mol 

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Turnhout

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 1 310 633,75



STIFTELSEN SINTEF 

 Norway

Net EU contribution

€ 169 560,00

Address

STRINDVEIEN 4

7034 Trondheim 

Region

Norge > Trøndelag > Trøndelag

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 169 560,00



CENTRO RICERCHE FIAT SCPA



Net EU contribution

€ 499 625,00

Address

STRADA TORINO 50

10043 Orbassano

Region

Nord-Ovest > Piemonte > Torino

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 499 625,00



FORD OTOMOTIV SANAYI ANONIM SIRKETI



Türkiye

Net EU contribution

€ 245 875,00

Address

AKPINAR MAH HASAN BASRI CAD NO 2 SANCAKTEPE

34885 Istanbul

Region

İstanbul > İstanbul > İstanbul

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

€ 245 875,00



BOLIDEN HARJAVALTA OY

 Finland

Net EU contribution

€ 363 218,75

Address

TEOLLISUUSKATU 1

29200 Harjavalta 

Region

Manner-Suomi > Länsi-Suomi > Satakunta

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

€ 363 218,75



JOHNSON MATTHEY PLC

 United Kingdom

Net EU contribution

€ 442 793,75

Address

2 GRESHAM STREET, 5TH FLOOR

EC2V 7AD LONDON 

Region

London > Inner London — West > Camden and City of London

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



ENV-AQUA SOLUTIONS LTD ⓘ

United Kingdom

Net EU contribution

€ 172 091,98

Address

MYTON ROAD 304
CV34 6PU Warwick

SME ⓘ

Yes

Region

West Midlands (England) > Herefordshire, Worcestershire and Warwickshire >
Warwickshire

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

€ 172 091,98



PNO INNOVATION

Belgium

Net EU contribution

€ 305 000,00

Address

EXCELSIORLAAN 51
1930 Zaventem

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Halle-Vilvoorde

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

€ 305 000,00



SINTEF AS

 Norway

Net EU contribution

€ 504 721,25

Address

STRINDVEGEN 4

7034 Trondheim 

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 504 721,25

Last update: 6 September 2024

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European Union, 2025