



Photo-irradiation and Adsorption based Novel Innovations for Water-treatment

Fact Sheet

Project Information

PANI WATER

Grant agreement ID: 820718

[Project website](#) 

DOI

[10.3030/820718](https://doi.org/10.3030/820718) 

Project closed

EC signature date

26 October 2018

Start date

1 February 2019

End date

31 January 2024

Funded under

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

Total cost

€ 4 969 748,50

EU contribution

€ 3 576 532,50

Coordinated by

ROYAL COLLEGE OF
SURGEONS IN IRELAND



Ireland

This project is featured in...



Sustainable solutions for water management in India

Project description

Water treatment in India

Wastewater and drinking water in peri-urban and rural India is polluted by contaminants of emerging concerns (CECs) such as pesticides, pharmaceutical and personal care materials, or antibiotics. The EU-funded PANI WATER project aims to expand and confirm six prototypes that remove CECs and other pollutants from wastewater. The project will be deployed on site and in relation with local stakeholders. In fact, PANI WATER puts a particular emphasis on understanding the social context in which the technologies will be potentially deployed and it will review possible social and health impacts to provide quality analyses. It will also support wastewater treatment for the safe reuse of water in agriculture, in related industries and public water structures.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [environmental engineering](#) > [water treatment processes](#) > [drinking water treatment processes](#)

[engineering and technology](#) > [environmental engineering](#) > [water treatment processes](#) > [wastewater treatment processes](#)

[engineering and technology](#) > [civil engineering](#) > [water engineering](#) > [irrigation](#)

[engineering and technology](#) > [materials engineering](#) > [textiles](#)

[medical and health sciences](#) > [basic medicine](#) > [pharmacology and pharmacy](#) > [drug resistance](#) > [antibiotic resistance](#)



Keywords

Programme(s)

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

MAIN PROGRAMME

[H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through eco-innovation](#)

[H2020-EU.3.5.2.2. - Developing integrated approaches to address water-related challenges and the transition to sustainable management and use of water resources and services](#)

Topic(s)

[SC5-12-2018 - EU-India water co-operation](#)

Call for proposal

[H2020-SC5-2018-2019-2020](#)

[See other projects for this call](#)

Sub call

H2020-SC5-2018-1

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



ROYAL COLLEGE OF SURGEONS IN IRELAND

Net EU contribution

€ 445 110,00

Total cost

€ 445 110,00

Address

ST STEPHEN'S GREEN 123

2 Dublin

 Ireland 

Region

Ireland > Northern and Western > Border

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Participants (21)

 INTERNATIONAL PARTNER 

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH 

 India

Net EU contribution

€ 0,00

Address

RAFI MARG 2

110001 NEW DELHI 

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data

 INTERNATIONAL PARTNER 

AUROVILLE FOUNDATION 

 India

Net EU contribution

€ 0,00

Address

CENTRE FOR URBAN RESEARCH ADMNISTRATIVE AREA
605101 Auroville 

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

 INTERNATIONAL PARTNER

BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE SOCIETY-BITS 

 India

Net EU contribution

€ 0,00

Address

VIDYA VIHAR
333031 Pilani 

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

No data



UNIVERSIDAD REY JUAN CARLOS

 Spain

Net EU contribution

€ 384 575,00

Address

CALLE TULIPAN
28933 Mostoles 

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

€ 384 575,00



NATIONAL UNIVERSITY OF IRELAND MAYNOOTH

 Ireland

Net EU contribution

€ 307 202,50

Address

CO KILDARE
W23 Maynooth 

Region

Ireland > Eastern and Midland > Mid-East

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

€ 307 202,50



SOCIETY FOR DEVELOPMENT ALTERNATIVES

 India

Net EU contribution

€ 0,00

Address

B-32 TARA CRESCENT OUTUB INSTITUTIONAL AREA
110016 Delhi 

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 254 100,00



INNOVA SRL

 Italy

Net EU contribution

€ 284 937,50

Address

VIA GIACOMO PERONI 386
00131 Roma 

SME 

Yes

Region

Centro (IT) > Lazio > Roma

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

€ 284 937,50



KWALITY PHOTONICS PRIVATE TTD

 India

Net EU contribution

€ 0,00

Address

29AB, ELECTRONIC COMPLEX KUSHAIGUDA
500062 Hyderabad 

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

€ 272 525,00



CENTRO DE INVESTIGACIONES ENERGETICAS MEDIOAMBIENTALES Y TECNOLOGICAS

 Spain

Net EU contribution

€ 320 183,75

Address

AVENIDA COMPLUTENSE 40
28040 MADRID 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 407 683,75

UNIVERSIDAD DE ALMERIA

 Spain

Net EU contribution

€ 87 500,00

Address

CARRETERA SACRAMENTO CANADA

04120 Almeria 

Region

Sur > Andalucía > Almería

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 CYPRUS

 Cyprus

Net EU contribution

€ 300 000,00

Address

AVENUE PANEPISTIMIOU 2109 AGLANTZI

1678 Nicosia 

Region

Κύπρος > Κύπρος > Κύπρος

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 300 000,00



UNIVERSITY OF ULSTER

 United Kingdom

Net EU contribution

€ 372 367,50

Address

CROMORE ROAD

BT52 1SA Coleraine 

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 372 367,50



ATLANTIC TECHNOLOGICAL UNIVERSITY

 Ireland

Net EU contribution

€ 259 937,50

Address

PORT ROAD

F92 FC93 Letterkenny 

Region

Ireland > Northern and Western > Border

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 259 937,50



AQUASOIL SRL

 Italy

Net EU contribution

€ 217 656,25

Address

VIA GRAVINELLA, 18

72015 Fasano Br 

SME 

Yes

Region

Sud > Puglia > Brindisi

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

€ 217 656,25



UNIVERSITA DEL SALENTO

 Italy

Net EU contribution

€ 160 000,00

Address

PIAZZA TANCREDI 7

73100 Lecce 

Region

Sud > Puglia > Lecce

Activity type

Higher or Secondary Education Establishments

Links

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

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

Total cost
€ 160 000,00



BUCKINGHAMSHIRE NEW UNIVERSITY

 United Kingdom

Net EU contribution
€ 277 062,50

Address
QUEEN ALEXANDRA ROAD
HP11 2JZ High Wycombe 

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

Activity type
Higher or Secondary Education Establishments

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

Total cost
€ 277 062,50



UNIVERSIDAD DE SANTIAGO DE COMPOSTELA

 Spain

Net EU contribution
€ 160 000,00

Address
COLEXIO DE SAN XEROME PRAZA DO OBRADOIRO S/N
15782 Santiago De Compostela 

Region
Noroeste > Galicia > A Coruña

Activity type
Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 160 000,00



SOCIETY FOR TECHNOLOGY AND ACTION FOR RURAL ADVANCEMENT

 India

Net EU contribution

€ 0,00

Address

B 32 TARA CRESCENT QUTUB INSTITUTIONAL AREA

110016 New Delhi 

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 265 647,00



BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE SOCIETY-BITS

 India

Net EU contribution

€ 0,00

Address

VIDYA VIHAR

333031 Pilani 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

Total cost
€ 178 964,00



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

India

Net EU contribution
€ 0,00

Address
RAFI MARG 2
110001 NEW DELHI

Activity type
Research Organisations

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

Total cost
€ 421 980,00

INTERNATIONAL PARTNER

Team Trust of the Auroville Foundation

India

Net EU contribution
€ 0,00

Address
Saracon Campus
605 111 Auroville

Activity type
Other

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

Total cost

No data

Last update: 28 October 2024

Permalink: <https://cordis.europa.eu/project/id/820718>

European Union, 2025

