Project Information

NEMO
Grant agreement ID: 860441

Funded under
SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

Total cost
€ 6 564 892,50

EU contribution
€ 6 564 892,50

Coordinated by
FUNDACION CARTIF
Spain

Project description

Lower CO2 emissions and noise from vehicles

Cars are responsible for around 12 % of total EU emissions of carbon dioxide (CO2), the main greenhouse gas. This is why monitoring CO2 emissions from passenger cars is a top priority for the EU. So is reducing the noise produced by passenger cars, as increasing numbers of people are being affected by traffic noise. The EU-funded NEMO project will develop a turn-key solution for the integration of new systems into existing infrastructure in order to measure emissions and noise levels. To identify noisy and polluting vehicles, a new, autonomous remote-sensing system
will be fitted to tolling or access systems. NEMO will also provide a holistic solution to mitigate the noise and emissions of passing vehicles.

**Fields of science**

- natural sciences > chemical sciences > catalysis > photocatalysis
- engineering and technology > environmental engineering > remote sensing
- engineering and technology > environmental engineering > air pollution engineering
- natural sciences > earth and related environmental sciences > environmental sciences > pollution

**Keywords**

- Noise
- Exhaust emission
- Low Emission Zones
- Monitoring
- Real driving emissions
- Pollution mitigation

**Programme(s)**

- H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

**Topic(s)**

- LC-MG-1-9-2019 - Upgrading transport infrastructure in order to monitor noise and emissions

**Call for proposal**


See other projects for this call

**Sub call**

- H2020-MG-2019-TwoStages

**Funding Scheme**
Coordinators

FUNDACION CARTIF

Net EU contribution
€ 506 250,00

Address
Pq tecnologico boecillo 205
47151 Boecillo
Spain

Region
Centro (ES) > Castilla y León > Valladolid

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

Other funding
€ 0,00

Participants (17)

M+P RAADGEVENDE INGENIEURS BV

Netherlands
Net EU contribution
€ 583 596,25

Address
Visserstraat 50
1431GJ Aalsmeer

Region
West-Nederland > Noord-Holland > Groot-Amsterdam

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

Links
MUELLER-BBM Industry Solutions GMBH

Germany

Net EU contribution
€ 413,261.25

Address
Helmut-a.-mueller-str. 1-5
82152 Planegg

Region
Bayern > Oberbayern > München, Landkreis

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

Other funding
€ 0.00

MULLER-BBM RAIL TECHNOLOGIES GMBH

Germany

Net EU contribution
€ 435,000.00

Address
Robert-koch str. 11
82152 Planegg

Region
Bayern > Oberbayern > München, Landkreis

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

Links
AGENZIA REGIONALE PER LA PROTEZIONE AMBIENTALE DELLA TOSCANA

Italy

Net EU contribution

€ 186,875,00

Address
Via ponte alle mosse 211
50144 Firenze

Region
Centro (IT) > Toscana > Firenze

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

Other funding

€ 0,00

SINTEF AS

Norway

Net EU contribution

€ 308,892,50

Address
Strindvegen 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

Other funding
€ 0,00

GATE 21
Denmark
Net EU contribution
€ 299 375,00

Address
Liljens kvt 2
2620 Albertslund

Region
Danmark > Hovedstaden > Københavns omegn

Activity type
Other

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

Other funding
€ 0,00

UNIVERSITE GUSTAVE EIFFEL
France
Net EU contribution
€ 304 632,50

Address
5 boulevard descartes campus de marne-la-vallee
77454 Marne-la-vallee
UNIVERSIDAD DE CANTABRIA
Spain
Net EU contribution
€ 400 125,00
Address
Avenida de los castros s/n
39005 Santander
Region
Noroeste > Cantabria > Cantabria
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

OPUS RS EUROPE SL
Spain
Net EU contribution
€ 1 042 668,75
Address
Calle gaztambide, num. 45
28015 Madrid
Comunidad de Madrid

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

Other funding
€ 0,00

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COMUNE DI FIRENZE

Italy

Net EU contribution
€ 191 125,00

Address
Piazza signoria 1
50122 Firenze

Region
Centro (IT) > Toscana > Firenze

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

Other funding
€ 0,00

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FEDERATION EUROPEENNE POUR LE TRANSPORT ET L'ENVIRONNEMENT AISBL

Belgium

Net EU contribution

8 of 12
RICARDO-AEA LTD
United Kingdom
Net EU contribution
€ 241 045,00
Address
Old shoreham road shoreham technical centre
BN43 5FG Shoreham by sea west sussex
Region
South East (England) > Surrey, East and West Sussex > West Sussex (South West)
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00
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<td>Sweden</td>
<td>€ 664 250,00</td>
<td>Skattegardsvägen 122, 162 50 Vallingby</td>
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<td>€ 460 631,25</td>
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FUNDACION DE LA COMUNIDAD VALENCIANA PARA LA INVESTIGACION, PROMOCION Y ESTUDIOS COMERCIALES DE VALENCIAPORT

Spain

Net EU contribution

€ 74 625,00

Address

Avenida muelle del turia s/n
46024 Valencia

Region

Este > Comunitat Valenciana > Valencia/València

Activity type

Research Organisations

Links

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

Other funding

€ 0,00

JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION

Belgium

Net EU contribution

€ 163 660,00

Address

Rue de la loi 200
1049 Bruxelles / brussel

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Links

Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network
AUDIOTEC INGENIERIA ACUSTICA S.A

Spain

Net EU contribution
€ 140 500,00

Address
Juanelo turriano 4
47151 Boecillo

Region
Centro (ES) > Castilla y León > Valladolid

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

Other funding
€ 0,00

EC signature date 19 March 2020
Last update: 13 June 2023

Permalink: https://cordis.europa.eu/project/id/860441

European Union, 2023