



**IRTEMS**

H2020-MSCA-IF-2019,  
Grant Agreement 896417

**IRTEMS project closure workshop:**  
Modelling instantaneous road transport emissions  
February 13, 2024



# Marie Skłodowska-Curie Actions opportunities and experience

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“  
BE LESS CURIOUS ABOUT PEOPLE AND  
MORE CURIOUS ABOUT IDEAS.  
”

**- MARIE CURIE**





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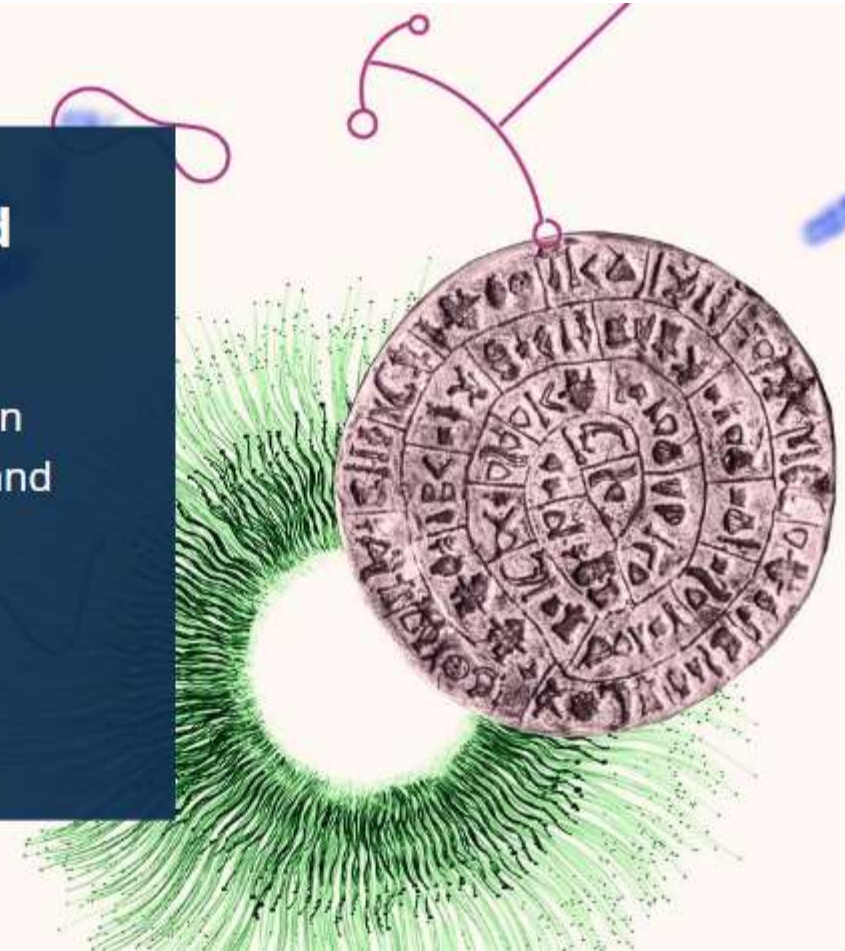


# Marie Skłodowska-Curie Actions (MSCA)

## Supporting excellence in research and innovation

The Marie Skłodowska-Curie Actions are the European Union's reference programme for doctoral education and postdoctoral training.

[Discover the MSCA](#)







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# MSCA opportunities

## **About the actions**

Find out how MSCA support excellent research and innovation

## **Doctoral Networks**

Doctoral programmes supporting excellent research in academia and other sectors

## **Postdoctoral Fellowships**

Supporting the careers of individual researchers and promoting excellence

Formerly: Individual fellowships (IF)

## **Staff Exchanges**

Promoting knowledge collaboration between organisations and sharing best practices through staff exchanges

## **COFUND**

Supporting regional, national and international programmes and postdoc fellowships through co-funding

## **MSCA and Citizens**

Bringing science closer to the public with the European Researchers' Night



# Types of MSCA-IF postdoctoral fellowships

## European Fellowships (EF)

**From 12 to 24 months**  
Researcher from any nationality

**Researcher mobility:**  
move to another EU Member State  
or Associated Country (EU MS/AC)



**1 Beneficiary** institution in EU MS/AC

## Global Fellowships (GF)

**From 24 to 36 months**  
EU MS/AC nationals or long-term residents

**Researcher mobility:**  
12-24 months  
**OUTGOING** phase → Third Country (TC)  
**MANDATORY 12** months **return** phase ←



**1 Beneficiary** institution in EU MS/AC  
+  
**1 Partner** organisation in TC

Beneficiary and Partner Organization can be **academic** or **non-academic** sector

Adapted from OPE (UPM)



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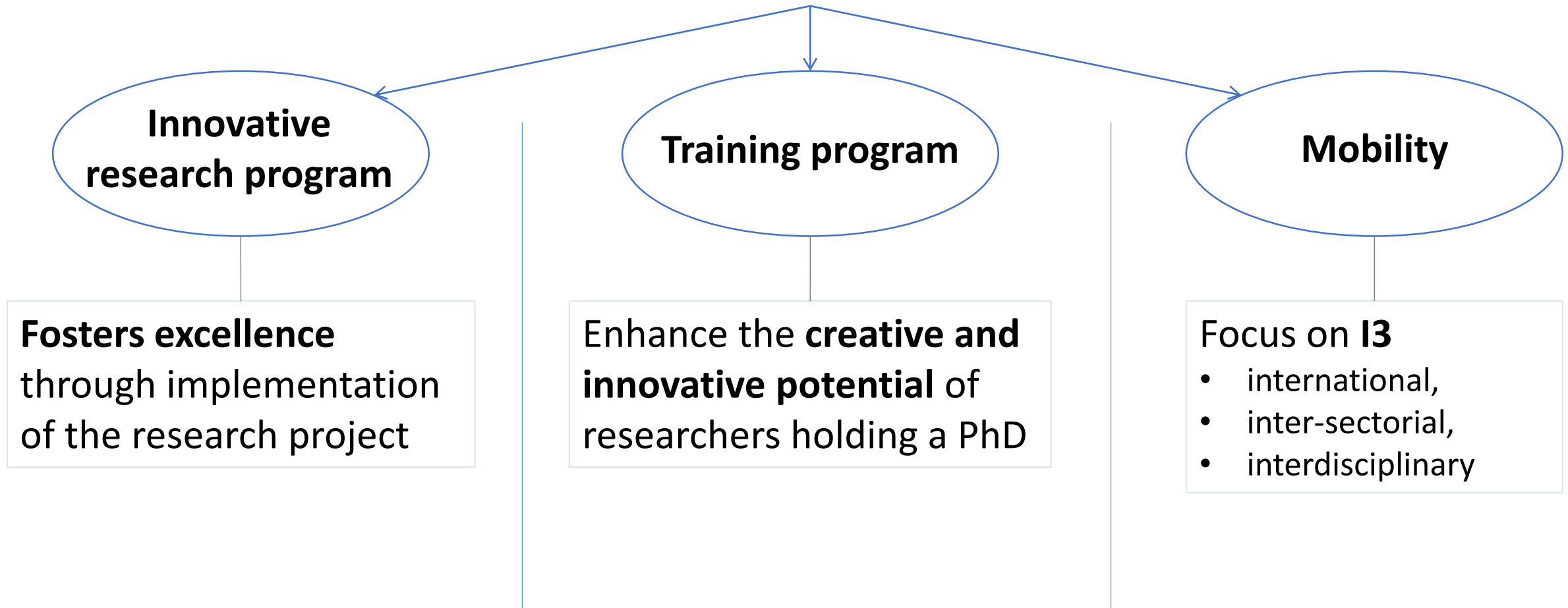


# MSCA-IF 2020 Call statistics





# MSCA-IF-GF key aspects covered





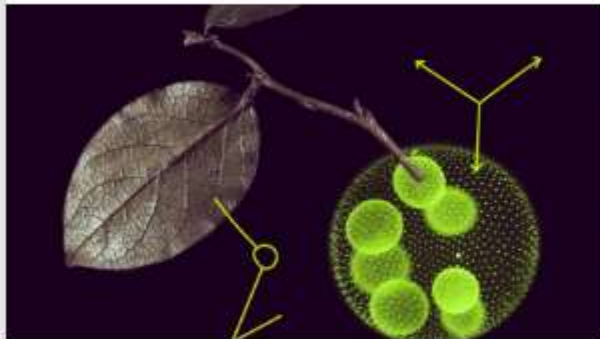
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# Next MSCA postdoctoral fellowship call: 2024

## Postdoctoral Fellowships



### Postdoctoral Fellowship call schedule

- The most recent call for this action is now **closed**.
- The next call will open on **9 April 2024**.

**Deadline Sept. 11, 2024**

Check the upcoming call for MSCA Postdoctoral Fellowships 2024 →





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# MSCA experience



**H2020-MSCA-IF-2019-GF**

**IRTEMS**

**Instantaneous road traffic  
modelling system for cities**

**Funded under Grant Agreement 896417**

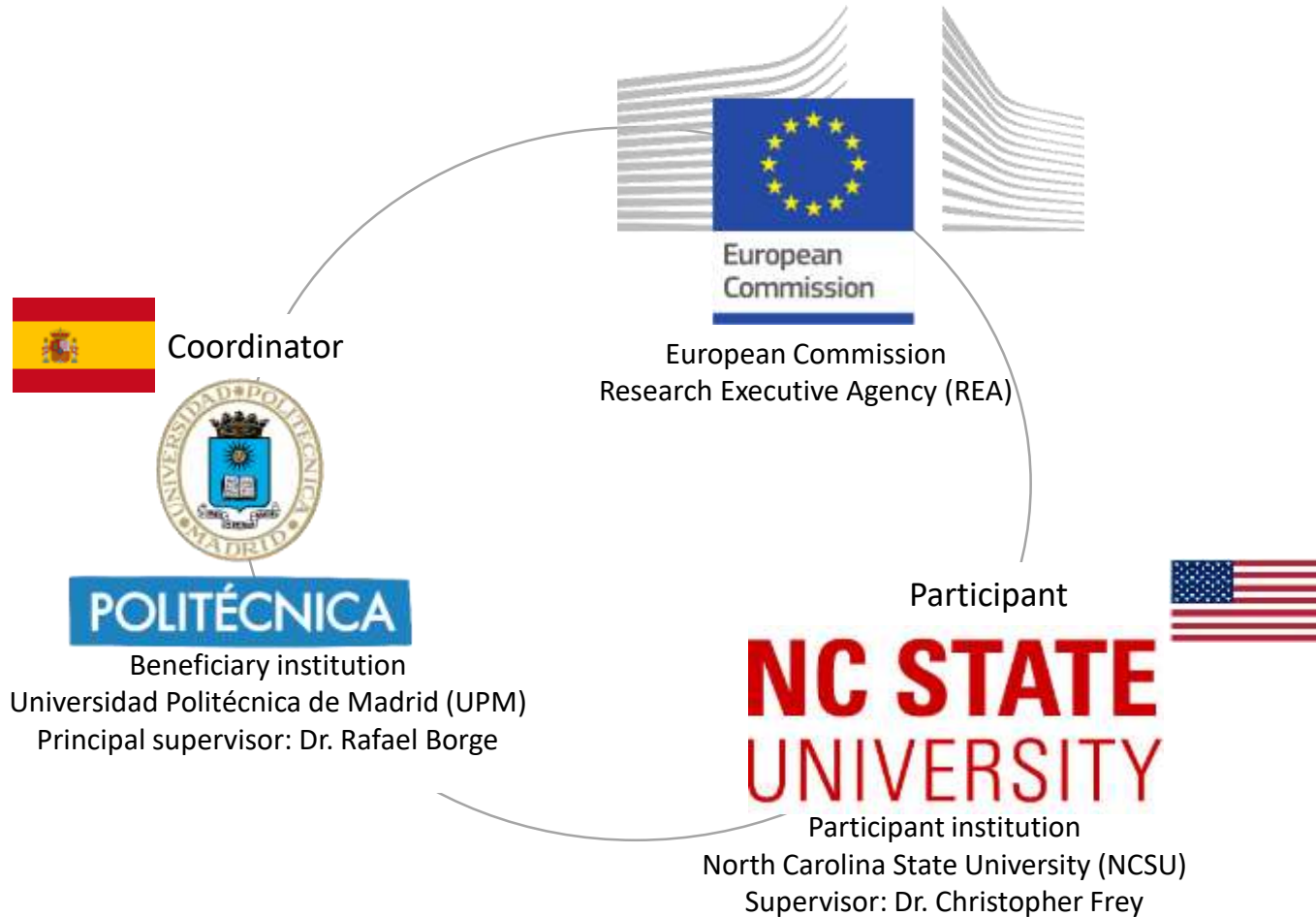


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# IRTEMS consortium





**Other involved entities**

 Traffic model  
aimsun.

**Emission models**

   
Motor Vehicle Emission Simulator

   
Passenger car and Heavy duty Emission Model

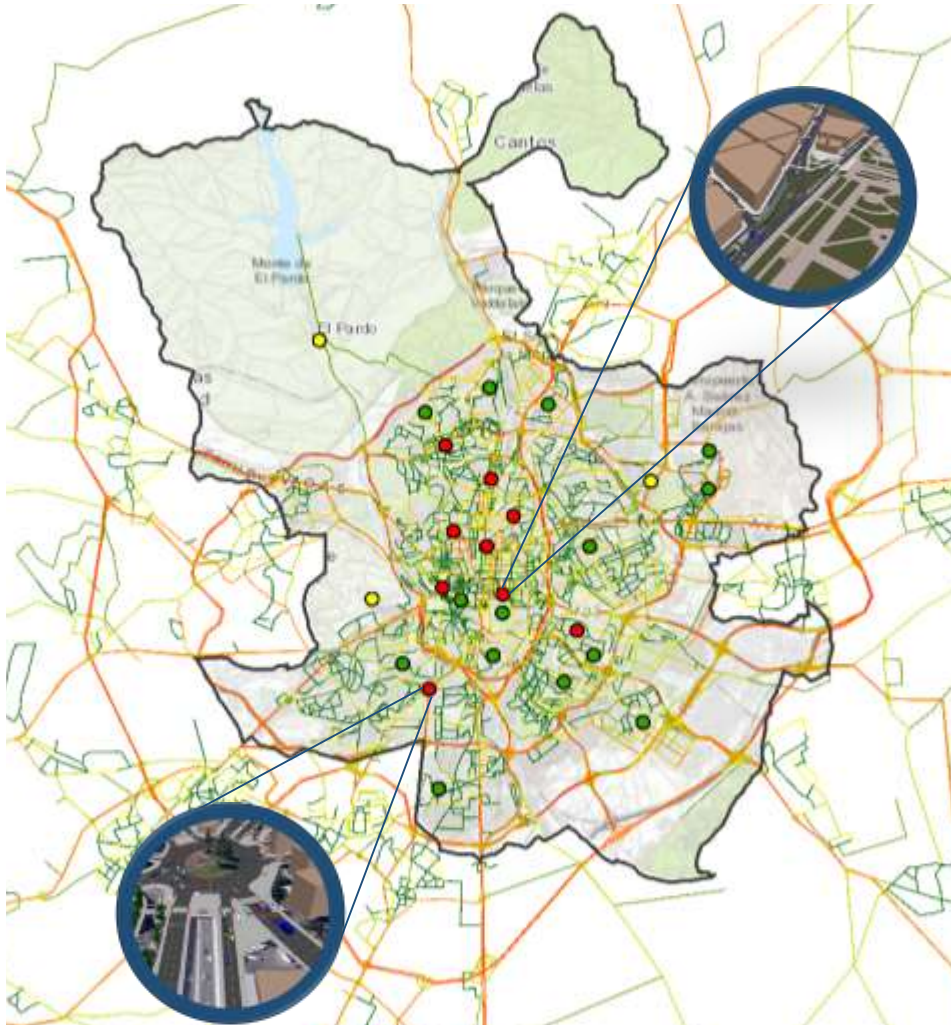


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# IRTEMS innovative research program



- Need to understand how to estimate the contribution of road traffic to atmospheric emissions at city level and in great detail.
- Understand the potential of local abatement measures.
- Improve our knowledge to tackle the impacts of air pollution in urban areas.