

COLLABORATIVE DOCTORAL PARTNERSHIPS – CALL 2020

THEMATIC FIELD 2: Smart, connected and clean mobility

JRC RESEARCH AREA DESCRIPTION

The JRC is the reference point in the Commission for independent, reliable and timely scientific and technical evidence on energy, transport and climate policies in the EU's transition to a carbon neutral society.

The JRC is recognized for its anticipatory capacity, solid expertise and ability to propose and implement interdisciplinary research supporting the policy cycle.

Mobility is more and more crucial for the EU and very important for all the EU citizens.

Smart mobility requires rethinking in view of growing effectiveness while reducing the environmental impact.

Already today great effort is made mainly towards cleaner fuels, electrification of transport, hydrogen and fuel cells; several examples are available often at low scale.

Additional smart solutions allowing greater mobility with lower impact on the environment and health need to be further deployed to enlarge the scope.

The aspects of clean and sustainable mobility are crucial together with social and market aspects.

MAIN POLICY FIELDS

- Transport
- Energy
- Climate

LINKS / URL WEBSITES

- <https://trimis.ec.europa.eu/dashboard>
- <https://ec.europa.eu/jrc/en/about/jrc-site/petten>
- <https://ec.europa.eu/jrc/en/research-topic/air-quality>

LINKS / REFERENCES TO PUBLICATIONS

- Environmental Research, Volume 182, March 2020, 109071 Particulate emissions from L-Category vehicles towards Euro 5
- TRANSPORT 2019 Volume 34 Issue 4: 455–466 A framework for the taxonomy and assessment of new and emerging transport technologies and trends
- Environment International Volume 133, Part A, December 2019, 105158 Urban pollution in the Danube and Western Balkans regions: The impact of major PM2.5 sources
- Applied Energy Volume 215, 1 April 2018, Role of hydrogen tanks in the life cycle assessment of fuel cell-based auxiliary power units
- Technological Forecasting and Social Change Volume 151, February 2020, 119847 Analysis and testing of electric car incentive scenarios in the Netherlands and Norway
- Energies, Published: 15 November 2019, The Role of Infrastructure for Electric Passenger Car Uptake in Europe
- Transportation Research Part D: Transport and Environment Volume 78, January 2020, 102180
- Clean energy and transport pathways for islands: A stakeholder analysis using Q method