

JRC Mission

As the science and knowledge service of the European Commission, the Joint Research Centre's mission is to support EU policies with independent evidence throughout the whole policy cycle.



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European
Commission

MITICA

Monitoring Transport
Infrastructures with Connected
and Automated vehicles



MITICA



Code: 2019-IPR-A5-FGIV-011518 - ISPR

FGIV - Scientist

Exploratory Research Project – MITICA

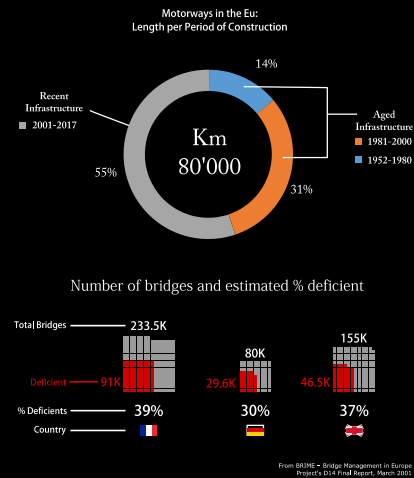
Call for Contractual Agent

**The European Commission's
science and knowledge service**

Joint Research Centre

Motivation

An aging European transportation infrastructure



The Advent of Innovative Technologies



“Cars and other vehicles are increasingly equipped with driver assistance systems, and fully autonomous vehicles are just around the corner.”

- Big data from ubiquitous sensors
- Connected and Automated vehicles (CAVs)
- Wireless Sensor networks
- Computational Capacity

Europe on the Move:

Commission completes its agenda for safe, clean and connected mobility (17/05/2018)

2019-IPR-A5-FGIV-011518

FGIV – Scientist Call

Exploratory Research Project MITICA
Monitoring Transport Infrastructures with
Connected and Automated Vehicles

Deadline: 07/06/2019 23:59 Brussels time

The European Commission Joint research Centre (JRC) offers a [vacancy for a Contract Agent](#) (with background in **Structural/Civil or Mechanical Engineering or related field with a formal content of practical mechanics**) within the Exploratory Research Project MITICA - Monitoring Transport Infrastructures with Connected and Automated Vehicles.

The candidate must be on a valid EPSO reserve list for Function Group IV contract staff or, if not, can still apply by following the steps indicated in the call.

See the call, position, rules and eligibility at

<https://recruitment.jrc.ec.europa.eu/>

The EC **JRC Exploratory Research Programme (ER)** is a strategic initiative characterised by ideas that might lead to novel results to qualitatively enrich current JRC scientific work.

The MITICA Project

The **Project MITICA** will investigate the feasibility of indirect Structural Monitoring (iSHM) from on-board sensors measurements of connected vehicles integrated with infrastructural monitoring systems (vehicle to Infrastructures V2I communication) to assess structural condition of infrastructural assets. The operational scientific research will take place in the [JRC E.4 - Safety and Security of Buildings Unit](#) in Ispra (Italy).