



WORKSHOP

Innovative Management and Data Analysis for Urban Mobility and Bridge Structural Safety

Project SIGMUM. Innovation in statistical approaches to urban mobility and environmental data analysis (CUP: F53D23010910001 - PRIN 2022 PNRR)

- **Sara Selvaggia Guerini, Rodolfo Metulini:** Exploring time series copula models for traffic flow data
- **Muhammad Haroon Shaukat, Francesco Finazzi:** Statistical models and algorithms for the analysis of smartphone-based mobility data
- **Rodolfo Metulini, Maurizio Carpita, Manlio Migliorati:** Modelling and clustering volatility of multiple traffic flow time series with complex seasonality
- **Roxana Adam, Francesco Biancalani, Rodolfo Metulini:** Traffic restrictions and air quality: A causal inference evaluation of Milan's Area C
- **Giovanni De Luca, Luigi Spezia, Paola Zuccolotto:** Analysis and Clustering of Scottish Catchments for the interpretation of water scarcity events

Project MOST SPOKE 7. Innovation in bridge safety and management of risks from extreme traffic loads: The case study of Brescia (CUP: D83C22000690001 - PNRR 2022-2026)

- **Roberto Ventura, Benedetto Barabino:** Evaluating and real-time managing the bridge overload risk posed by extreme traffic load hazard
- **Luca Biazzo, Livio Fenga:** Denoising and forecasting model for structural monitoring of the bridge overload
- **Mattia Cefis, Maurizio Carpita:** Statistical modelling of the bridge overload risk caused by extreme traffic load hazard

Maurizio Carpita (organizer and chair)

Thursday, March 27th, 2025, 10:00 AM

Sala Biblioteca, Via S. Faustino 74/b, Brescia

