

PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 EARLY STAGE GRANT LASTING 12 MONTHS FOR CONDUCTING RESEARCH PURSUANT TO ART. 22 OF LAW NO. 240/2010 AT THE DEPARTMENT OF MANAGEMENT, INFORMATION AND PRODUCTION ENGINEERING (SC 13/D1 - STATISTICS - SSD SECS-S/02 - STATISTICS FOR EXPERIMENTAL AND TECHNOLOGICAL RESEARCH) PROJECT H2020 "TOWARDS MORE EARTHQUAKE-RESILIENT URBAN SOCIETIES THROUGH A MULTI-SENSOR-BASED INFORMATION SYSTEM ENABLING EARTHQUAKE FORECASTING, EARLY WARNING AND RAPID RESPONSE ACTIONS (TURNkey)" (CUP F54I19000220006) TYPE B

announced with decree of the Chancellor Rep. no. 753/2019 of 15.11.2019 and posted on the official registry of the University on 21.11.2019

CODE N. 19AR005

RESEARCH PROJECT

"Development of statistical methods and models for the real-time analysis of data from earthquake early warning systems based on smartphones"

Research structure: Department of Management, information and production engineering

Duration of the grant: 12 months

Scientific Area: 13 - Economics and statistics

Academic recruitment field: 13/D1 - Statistics

Academic discipline: SECS-S/02 - Statistics for experimental and technological research

Scientific Director: Prof. Francesco Finazzi

The research grant is part of the H2020 TURNkey project which aims to develop methods and technology able to mitigate the seismic risk at European level. As project partner, the University of Bergamo develops early warning systems based on smartphone technology. In this context, the research project plans to develop statistical methods and models capable of analyzing data from the smartphone network in real time. Methods and models will be implemented in a statistical software environment, preferably MATLAB