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The New Era of Forensic Science: Transnational Investigations on Encrypted Platforms

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The advancement of technology has led to the increasing use of encrypted platforms in criminal activities, posing significant challenges to law enforcement agencies. These platforms make

investigations difficult. On one hand, it is about investigating platforms equipped with important degrees of encryption with servers often located in different parts of the world, exploiting the potential offered by the so-called big data. In these cases, inevitably, the police forces need the close collaboration of the investigative bodies of other States than the one in which the investigative need originated, thereby exacerbating the already known dysfunctions of transnational cooperation. On the other hand, there are critical issues of the classification nature, determined by the difficulty of identifying the category in which to ascribe the activities carried out on encrypted systems. Italian jurisprudence, in the wake of what is happening in other European states (as France, Germany, Belgium, Netherlands), has already expressed itself on the matter, with the aim of outlining a "statute" for investigations into encrypted communication platforms. It is necessary to dwell briefly on the specific case from which the various decisions on the matter originate.

Biography

Donatella Curtotti is Full Professor in Criminal Procedure at the Law Department of the University of Foggia and the Dean of the same Department. She is the Coordinator of the Degree Course in "Scienze Investigative". Professor Curtotti authored more than 150 papers, conference proceedings, essays and articles, published in the most authoritative national and international journals. She participated as a speaker at national and international conferences. She is a lecturer at doctoral schools, as well as training courses for "Polizia di Stato", "Arma dei Carabinieri" and "Scuola Superiore della Magistratura". Professor Curtotti coordinated several projects in the areas of forensic sciences, investigations, security and Digital Forensics. She is also principal investigator and co-investigator of awarded projects as "BullyBuster", included in the top-100 global list of projects solving problems related to the 17 United Nations Sustainable Development Goals by the IRCAI-UNESCO association.