

Use of integrated and cooperative IT tools capable of combining heterogeneous data coming from different information systems, such as the data warehouse, the data mart, big data and the data-driven approach (activated within the ‘ReGiS’ information system, ‘Arachne’ and ‘Integrated Anti-Fraud Platform – PIAF’)

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Abstract

The correct use of financial resources provided by the European Union is one of the most important commitments to all Member States within a context of renewed economic development. In particular, frauds have always been of specific concern to Europe. The Integrated Anti-Fraud Platform (PIAF), co-financed by the European Commission, has been developed by the Italian State General Accounting Department of the Ministry of Economy and Finance, in partnership with the European Anti-Fraud Office (OLAF), following the approval of the proposal SEP-210594505 submitted as a response to the call for tender HERCULE-TA-AG-2019 launched on 15/03/2019 by the European Commission.

The objective of PIAF is to consolidate and strengthen the fight against fraud and other illegal activities to the detriment of the EU budget by providing technical and operational support to national and transnational investigations. The platform, which is available to Managing Authorities, Audit Authorities, COLAF and, more generally, to all Public Administrations, interacts and collects data from heterogeneous national and European external sources, allowing to generate an information card inherent to a physical or legal entity, providing useful assessment support for possible fraud detection and to prevent illicit situations. The use of PIAF supports the evaluation phase through an overall view of heterogeneous data coming from different information systems provided within a single platform.

PIAF has been developed using a scalable and modular architecture based on microservices and allows data to be stored in databases capable of hosting a large amount of data.

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