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SU-FCT02-2018-2019-2020: Technologies to enhance the fight against crime and terrorism
Sub-topic 3: [2020] Money flows tracking

I am in search of a coordinator for a possible proposal dealing with the above topic

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Competencies

- *Strong competencies in several CS and AI domains, from knowledge representation to computational linguistics, (intelligent) information retrieval, knowledge management, IoT, analysis of news in the terrorism domain, etc., see DBLP (https://dblp.uni-trier.de/pers/hd/z/Zarri:Gian_Piero), ResearchGate (https://www.researchgate.net/profile/Gian_Piero_Zarri), Google Scholar etc.*

- *Strong experience in dealing with European projects in several roles, as project partner, as coordinator of an European consortium, as evaluator of Esprit, FP6, FP7, Horizon 2020 etc. proposals…*

- *The skills I can bring:*
  - *a proposal idea, already sufficiently elaborated, in the money flows tracking domain;*
  - *a long experience in concretely drafting European proposals according to the last EC requirements.*

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Project idea

A truism: investigating illegal money flows situations implies detecting all the deviations from the "standard behavioral patterns" adopted, e.g., by the LEAs.

How to detect these deviations? Through an in-depth analysis of the suspicious operations.

The proposal: implementing this analysis according to two strictly integrated lines of action:

- *Collecting all the potentially useful information coming, e.g., from STRs (Suspicious Transaction Reports), CTRs (Currency Transaction Reports), financial institution account records, real estate records, corporate registries, brokerage accounts, etc. All this information must be filtered, aggregated, and represented according to a normalized formal description using, e.g., NKRL, an AI language already used in terrorism/security domains.*

- *Exploiting the mass of the formalized information thanks to the set-up and use of a collection of "generalized if/then rules" to be used, through the use of appropriate AI inference engines, to discover the deviations from the "standard behavioral patterns" and detecting then money laundering, terrorist financing activities, arm/drug/human beings trafficking etc.*

A provisional abstract of the proposal is available.

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