

# Digital forensics in the context of criminal investigations

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- **Treelogic**
  - Spanish SME
  - Participation in 20+ EU projects (+50% as coordinator)
  - 8 EU projects in SEC
- **Role:** Coordination
  - Big Data & Machine Learning, Computer Vision*
- **Topic:** SU-FCT02-2018 Technologies to enhance the fight against crime and terrorism; **subtopic 2** Digital forensics in the context of criminal investigations

# Proposal idea

- Software toolkit for fighting against **child sexual abuse cases**.
- Data acquisition from different sources: **Cleartnet, Darknet** and **P2P** networks.
- **Big Data** technologies for the **analysis of large volumes of data**.
- Data analysis using **AI** techniques such **Machine Learning** and **Deep learning**:
  - Analysis of **unstructured text** -> E.g. Pedophiles forums.
  - Analysis of **video** -> E.g. Detection of forged content.
  - **Steganalysis** -> Detect hidden content in files.

# Project participants

- **Proposed coordinator:** *TREELOGIC (open)*
  - *Expert in steganography*
  - *Expert in cybersecurity and digital forensics*
  - *Expert in Artificial Intelligence*
- **Looking for partners with the following expertise/ technology/ application field:**
  - *Expert in cryptography*
  - *Law Enforcement Agencies*
  - *Digital Forensic experts*
  - *Experts in Video Forensics: Forged content*
  - *Experts in Privacy and Legal issues*
  - *Experts in Criminology*
  - *System integrator.*