

Cosmian Tech SAS

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Targeted topics

<u>SU-DS03-2019-2020</u>	Digital Security and privacy for citizens and SMEs and Micro Enterprises	IA
<u>SU-DS05-2018-2019</u>	Digital security, privacy, data protection and accountability in critical sectors	IA & RIA

Competencies

Organisation competencies

- Enterprise software product development leveraging cryptography primitives (PKI, functional encryption, fully-homomorphic encryption, attribute-based encryption), peer-to-peer & blockchain stacks
- Privacy framework, data protection and privacy-by-design software core
- Enterprise software go-to-market (marketing, business development and client success development)

Organisation experience in the European project

- Cosmian has not been yet in European projects. However, its founders have won and participated in several European and national collaborative projects.

The skills you can bring

- Privacy-by-design & data protection enterprise software : product development & enterprise deployments.
- Market development and developer community build up.

Project idea

Describe your project idea

- Developing an open protocol and open-source software for **decentralized zero-knowledge data analytics**
 - enabling companies to perform data analytics without access to the confidential/personal data itself
- leveraging a) state-of-the-art cryptography techniques including functional encryption, fully-homomorphic encryption and attribute-based encryption and b) blockchain and peer-to-peer stacks

List of the complementary skills you need for your consortium

- corporations interested in leveraging the open protocol and open-source software for their own privacy-preserving or confidentiality-preserving use cases (both for internal business units and/or third parties)
- research on data protection and privacy
- privacy compliance in different sectors with strong privacy requirements