



DAta SIlos Breaker

A Semantic Open
Interoperability
Solution to Break
Down Data Silos



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SPIN
ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

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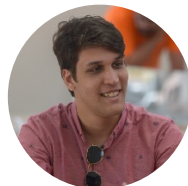
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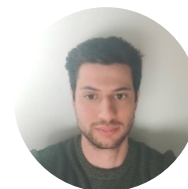
+ Team



**Cristiano
Aguzzi**



**Brenno Tondato De
Faria**



**Andrea
Ferrari**



**Luca
Roffia**



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SURPRISING THE FUTURE



Lorenzo Gigli



**Simone
Persiani**



Luca Sciullo



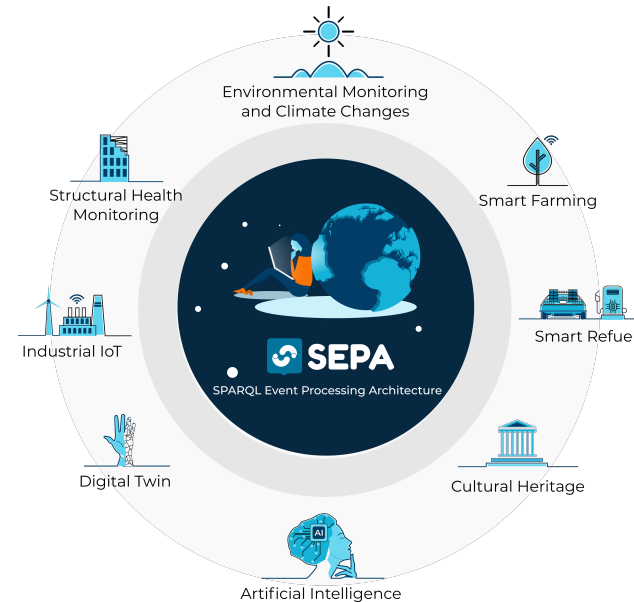
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Granata**



SPARQL Event Processing Architecture

SEPA [1] is an open-source project available on GitHub [2] providing an solution for **information interoperability** implementing FAIR principles and supporting **open vocabularies**.

SEPA implements a **publish-subscribe** mechanism over a generic SPARQL **endpoint** where clients' interactions are mediated by W3C SPARQL 1.1 Protocol (update/query) extended with a custom WebSocket protocol (subscribe/notify)



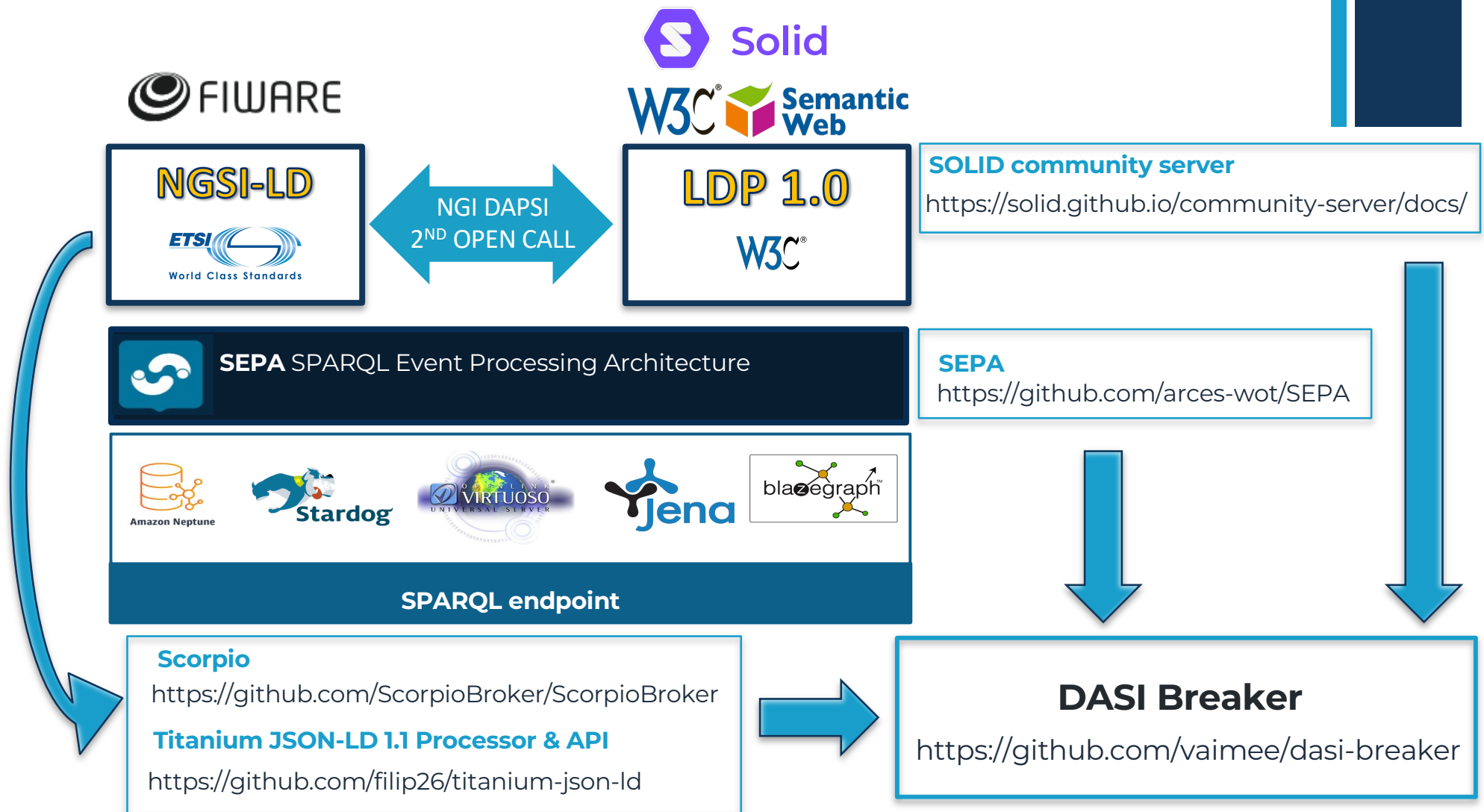
+ Executive summary



The DASI Breaker project aims to provide an **enabling technology** for developing **data portability** applications and services by extending **SEPA** with open standards and technologies:

- **ETSI NGSI-LD**
- **W3C LDP** (Linked Data Platform 1.0)
- **SOLID**

+ Implementation



+ References

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Contacts

luca.roffia@vaimee.it

<https://vaimee.it>

<https://github.com/vaimee/dasi-breaker>