

The Bypass Project

11:30am - 13:30pm, May 26

#dataweek2021



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ATOS Research & Innovation



BODYPASS ambition

- Creation of a platform to exchange 3D data between different partners from different sectors as healthcare and consumer goods sectors.



Context and challenges to answer

Secure Data Access



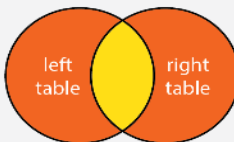
BODYPASS

Secure and traceable combination of query results.

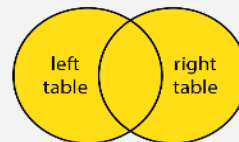
Data Querying



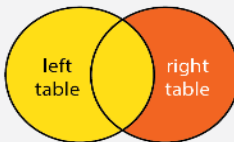
INNER JOIN



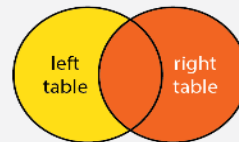
FULL JOIN



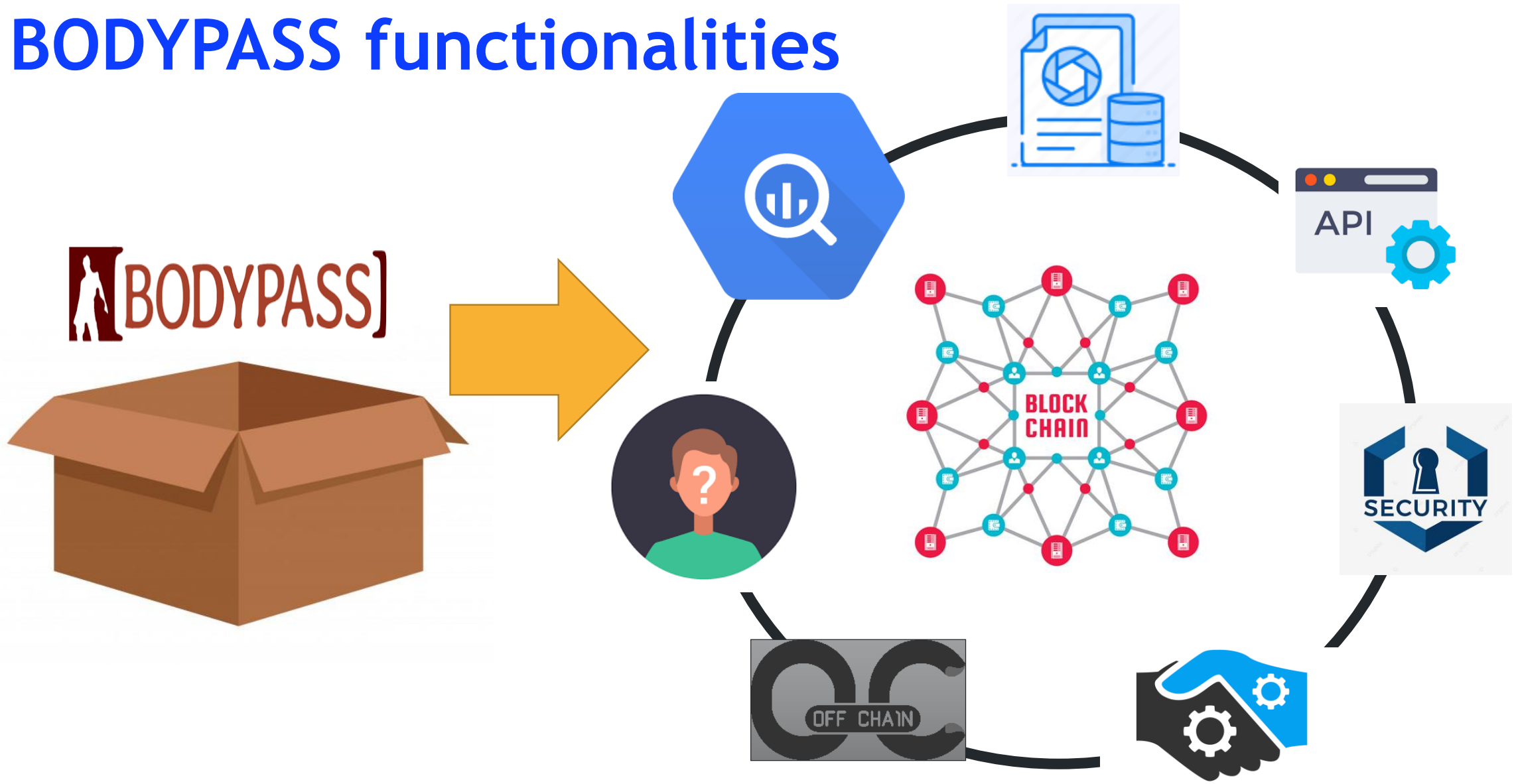
LEFT JOIN



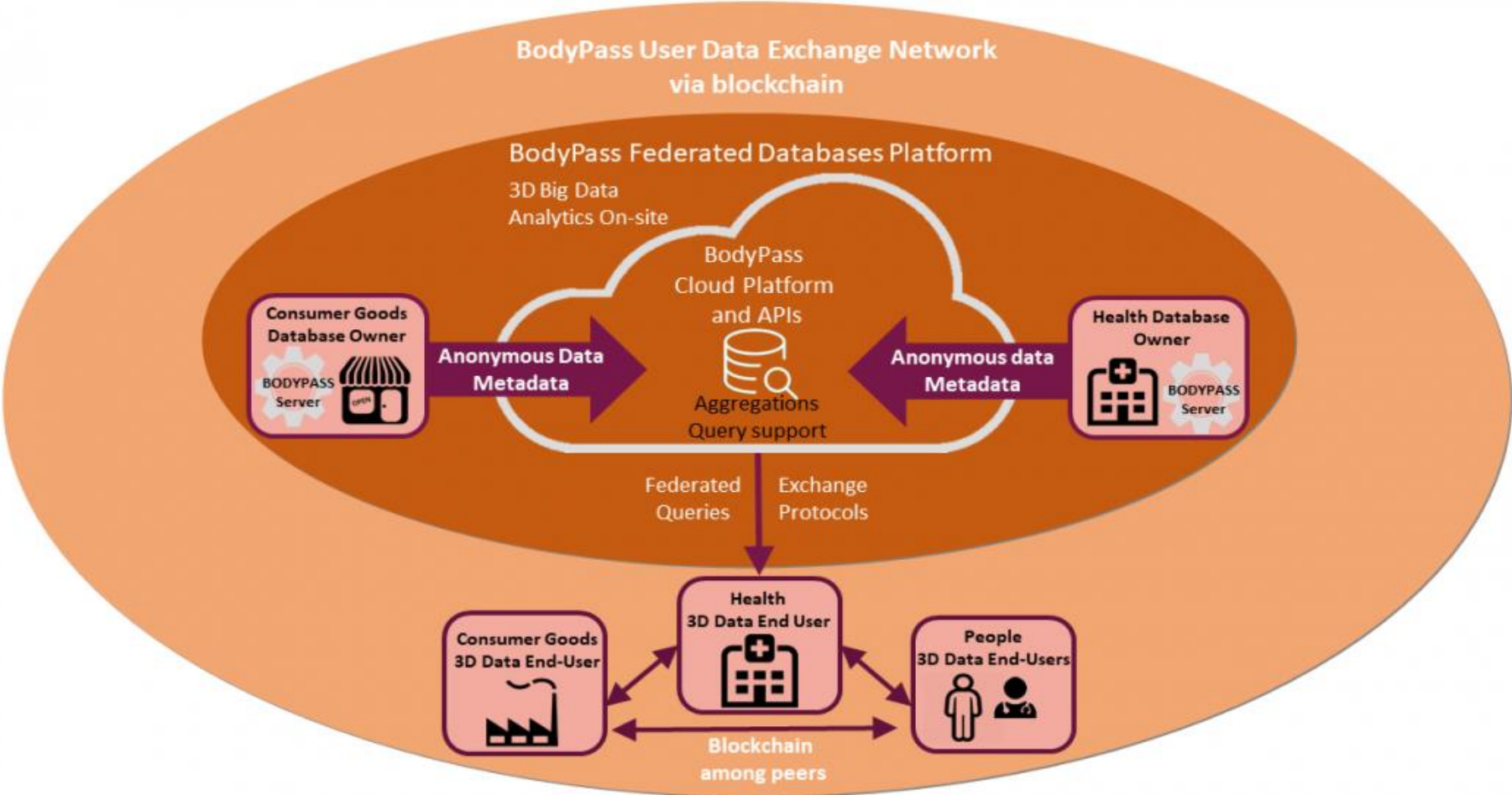
RIGHT JOIN



BODYPASS functionalities



BODYPASS conceptual approach



Why blockchain technology?

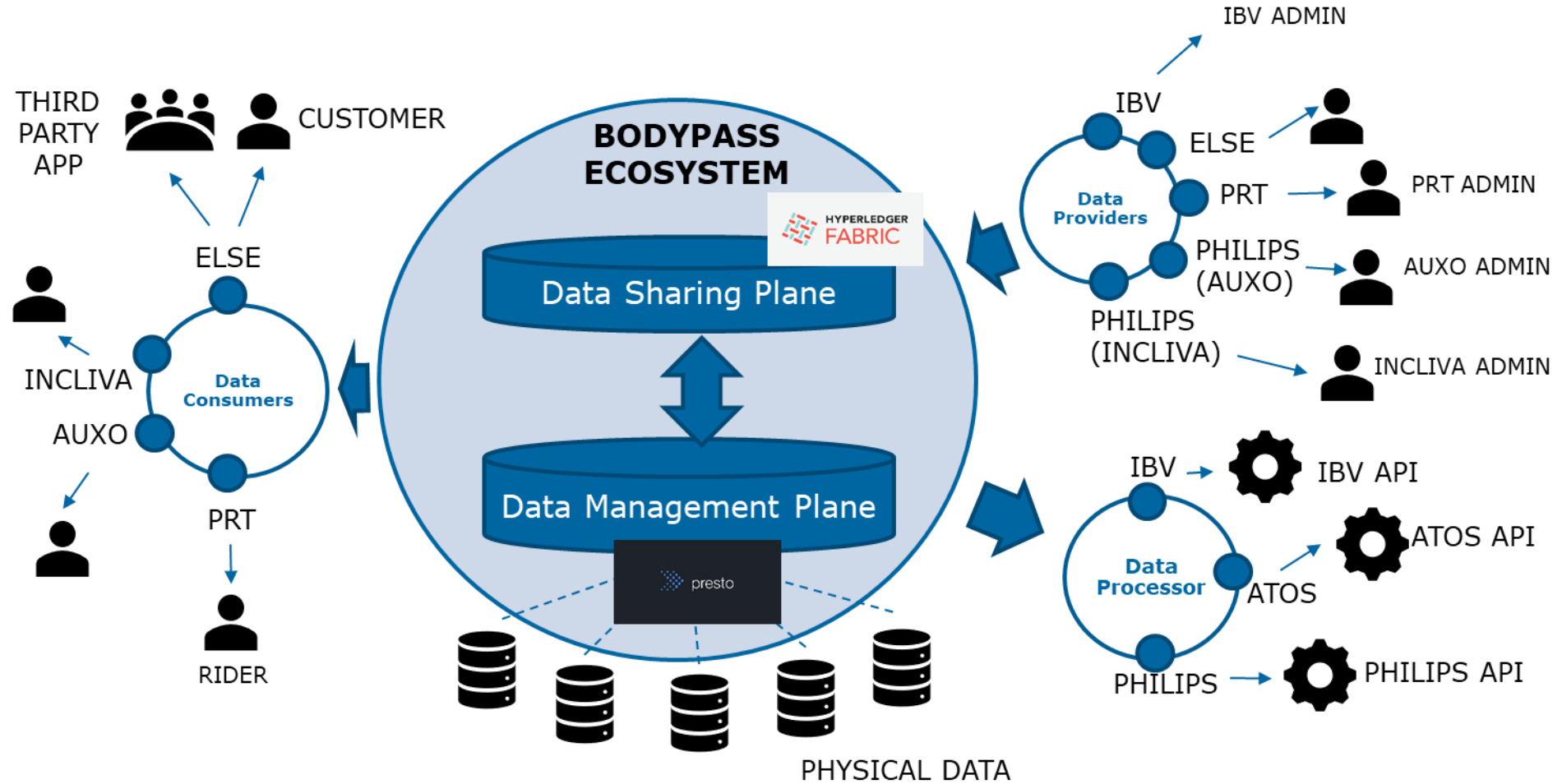
Looking at the benefits of blockchain:

- You get a history of activity, not just a snapshot in time.
- There's no one, central point of attack.
- And no centralized control.

When might you use blockchain?

- When you want to manage and secure digital relationships or keep a decentralized, shared system of record.
- When you want to record secure transactions, especially between multiple partners.
- Where the data is in constant flux, but you want to keep a record of past actions.
- Anywhere a middleman or gatekeeper function is expensive or time-consuming.

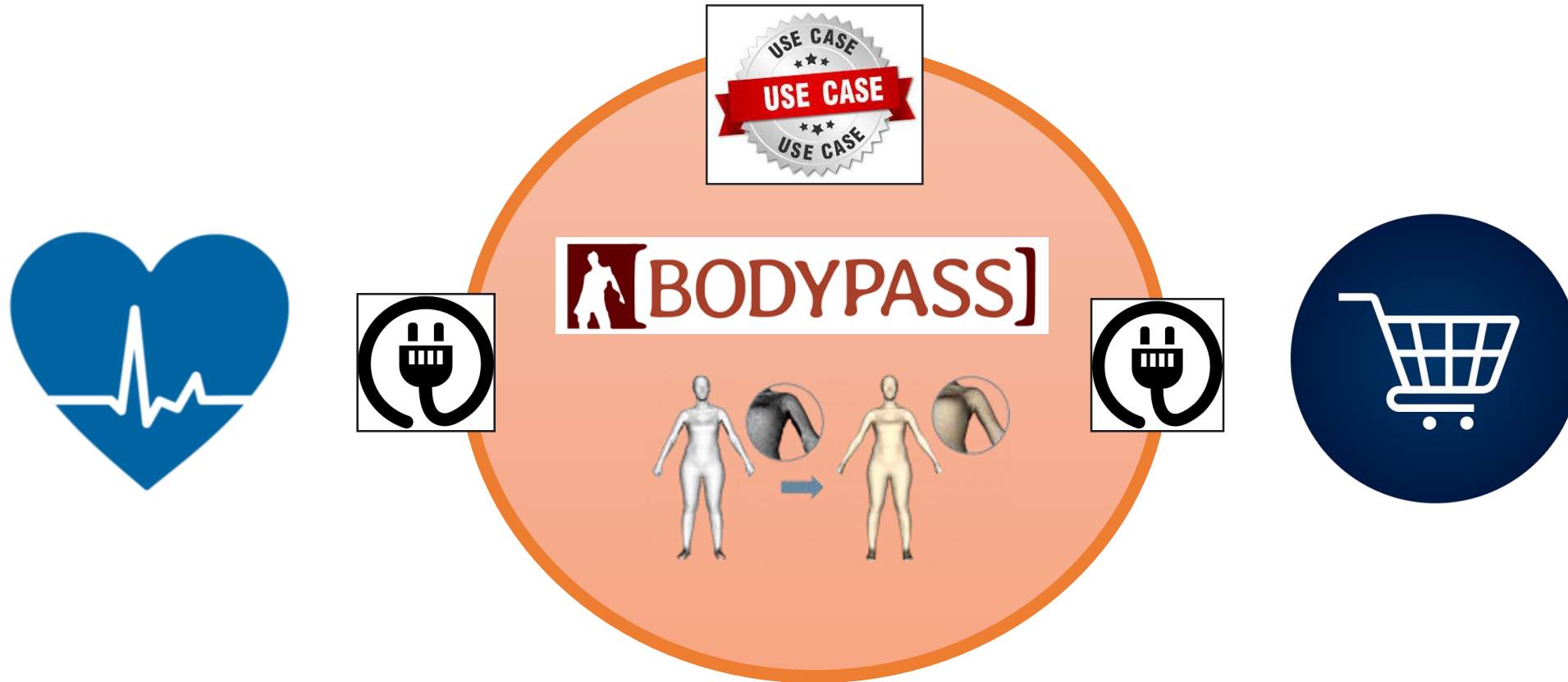
BODYPASS approach



BODYPASS value proposition.



New opportunities.



Summary and Conclusions

BODYPASS provides a **trust Data Sharing** platform based on **blockchain** approach as key technology.

BODYPPAS solution includes an **Off-Chain Data Management** layer supporting orchestration of federated queries + data querying/processing services.

BODYPASS is an **extensible** solution for new data providers.

New data providers could join BODYPASS network simply by publishing their data services in the public data services catalogue managed by the data sharing plane.

Data as a service and Insight as a service have been raised in BODYPASS as ways to achieve future data monetization.

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Thank you!



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