

i3-MARKET

I3-MARKET DPIA APPROACH - IDEMIA

DPIA 101

20 June 2022



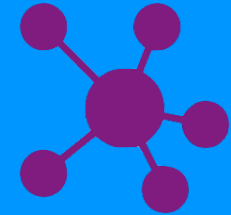
Marketplaces



Open Source



Security, Privacy
and Trust



Semantics



Intelligent, Interoperable, Integrative and deployable
open source MARKET place backplane with trusted and secure
software tools for incentivising the industry data economy



NUI Galway
O'f Gaillimh

SIEMENS Atos



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



guardtime



IBM

GFT



UNPARALLEL



Telesto
Technologies
Information Communication Technologies

Agenda

PART 1

- Overall introduction
- Wide variety of integration use cases
- Market Place integration life cycle
 - On Boarding Focus
 - Run Focus
 - Off Boarding Focus

PART 2

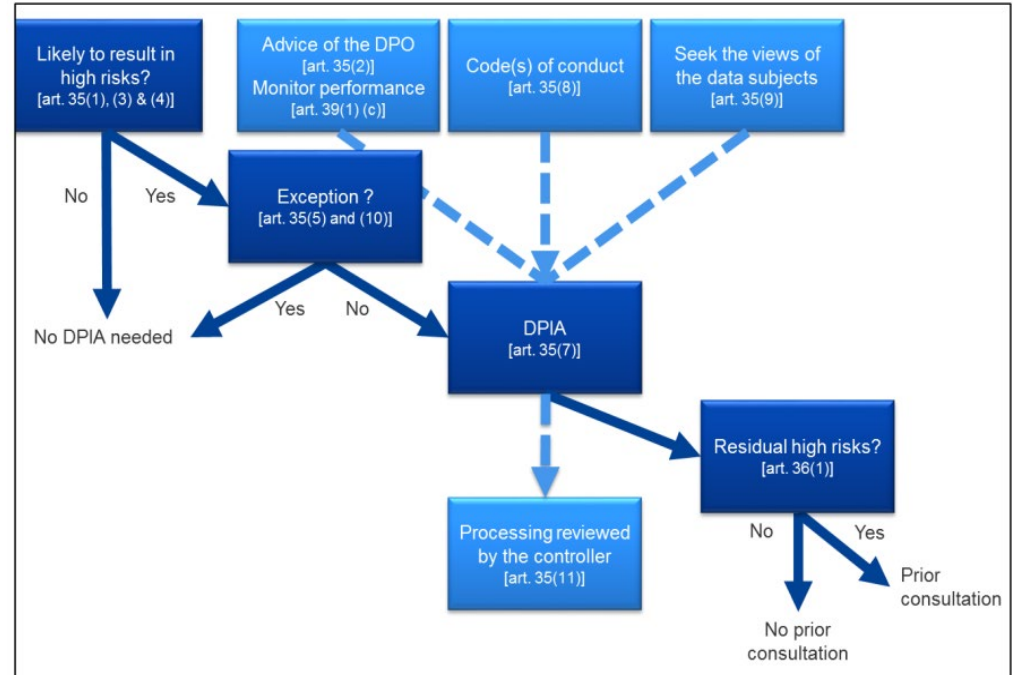
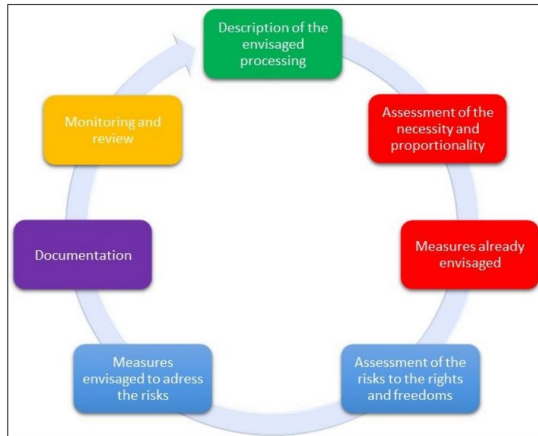
- Why a meta DPIA ?
- Regulatory environment
- 2 steps Consent management

PART 3

- Stakeholders' dependency overview
- Marketplaces Commitments
- Key Take aways

Overall introduction DPIA and Meta DPIA

- Data Privacy Impact Assessment
- Risk based approach



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Overall introduction

Data exchange description

- Interoperability
 - SDK, Hosting diversity capacity (on MKT place premise, on cloud, MIX)
- Intelligent
 - Smart contracts , semantic engine (for large taxonomy of data traded) , conflict resolution, Blockchain based architecture
- Integrative
 - SDK (to be integrated by MKT Place) , Wallet , Examples of GUI ready to be used

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Large variety of integration use cases

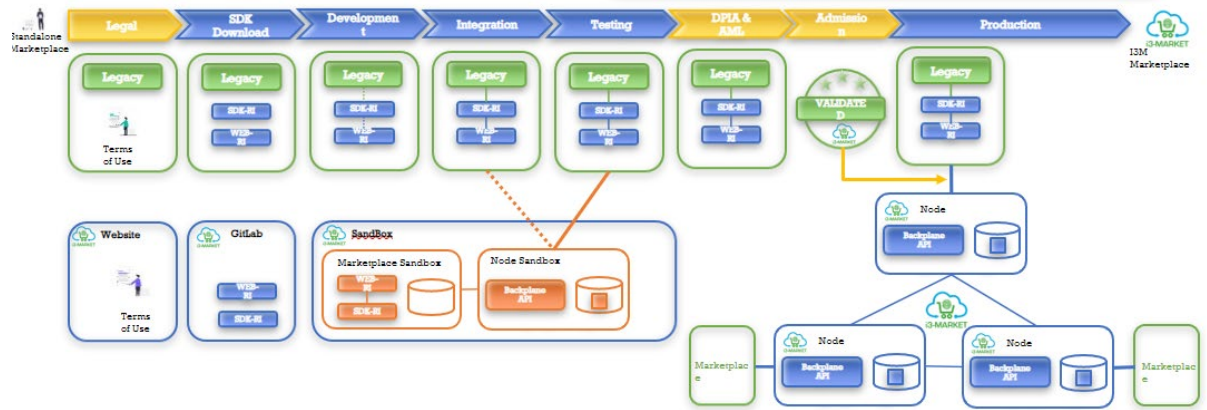
- Automotive pilot - ATOS
 - GUI available
 - Data feed
- Industrial pilot - SIEMENS
 - DB feed already developed
 - No GUI
- Well-being pilot - IBM
 - Sensitive Data Management

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On Boarding Focus



- Commitment
- Integration
- Granting

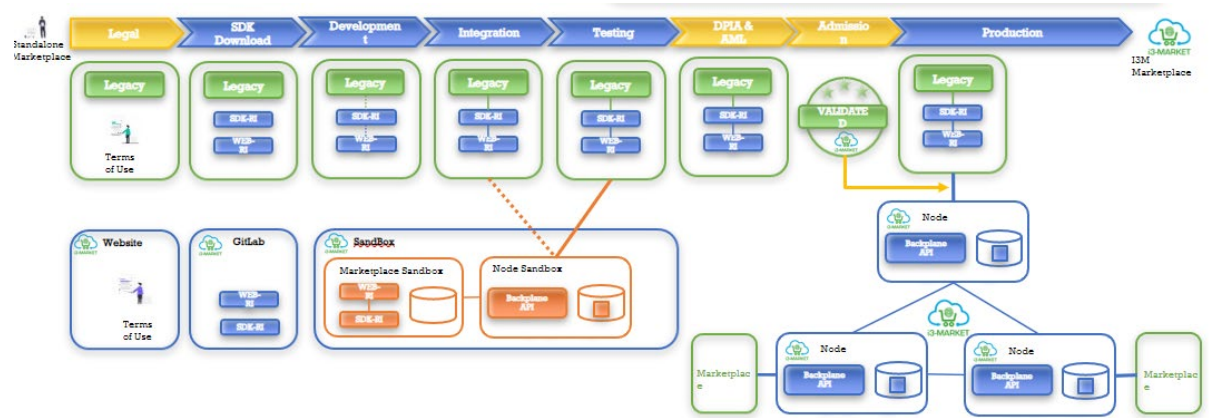


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RUN Focus



- Release Mngt
- Data monetization
- Conflict Management (Consumer/Provider)

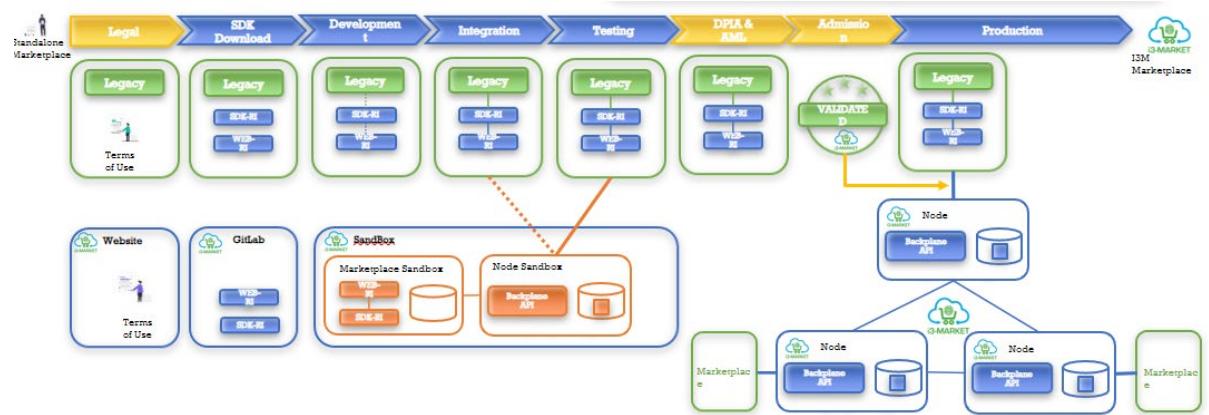


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Off Boarding Focus



- Exit conditions
- Manage Diversity of situations (Change MKT Place...)
- Data retention rules



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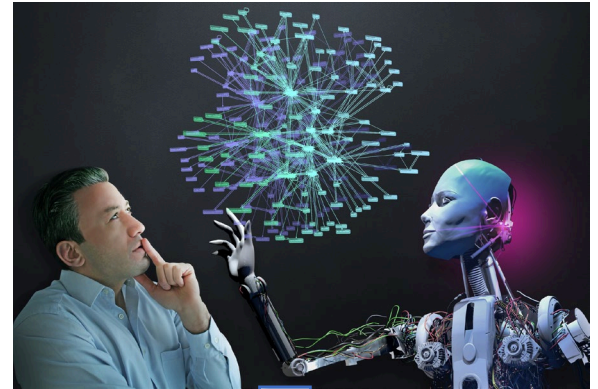
Why a meta DPIA ?

- New technologies involved (Semantic Engine, Blockchain, WEB3 ready)
- The backplane only acts as a **joint data controller**
 - Backplane induce an ecosystem
 - No personal nor sensitive data manipulation (only meta data)
- Promote the ecosystem data protection
 - Generate a framework available for each SME willing to join
 - The Meta DPIA brings trust to the ecosystem
 - Each Market place will have a "**ready to operate**" **DPIA** based on this Meta DPIA

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Regulatory environment

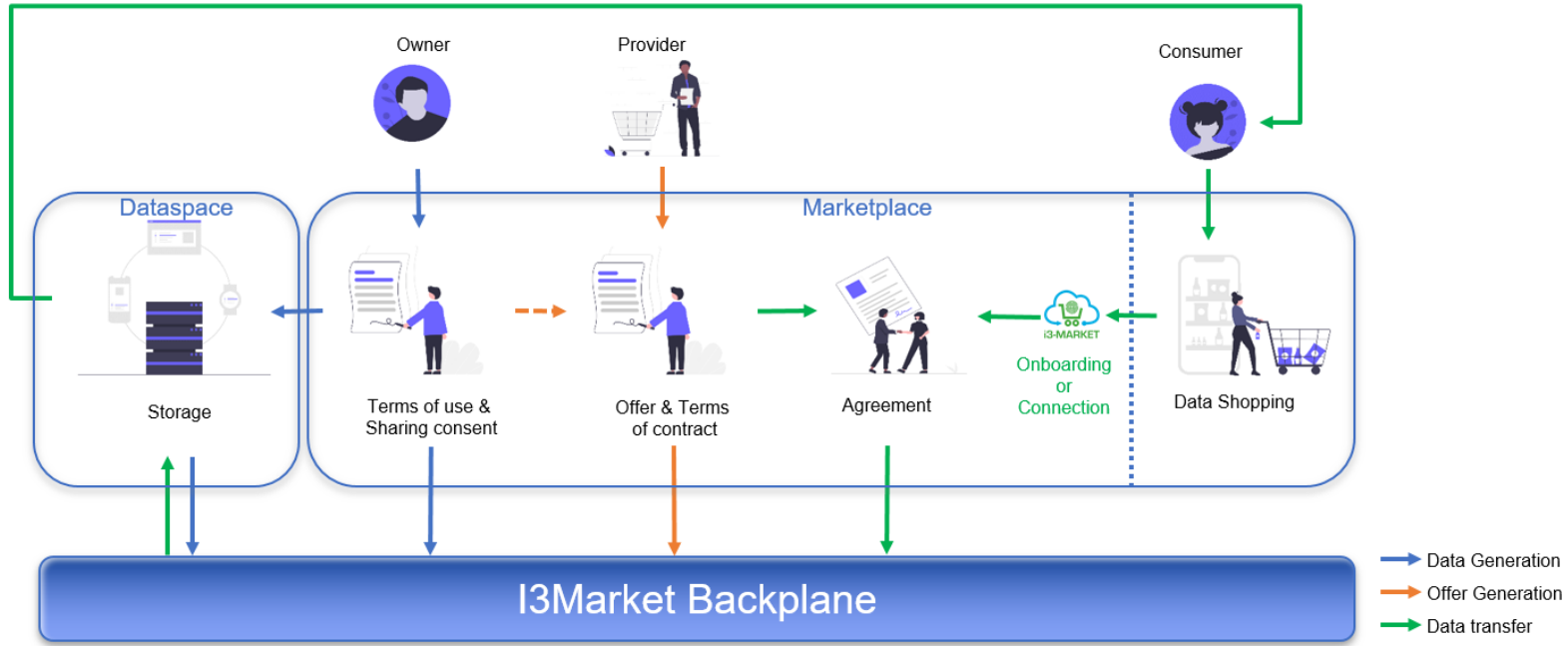
- GDPR – Key principles
 - Into force in May, 25th, 2018: mainly here Articles 6. 12. 35. ...
- AML directives
 - AML Vth: [EUR-Lex - 52020DC0560 - EN - EUR-Lex \(europa.eu\)](#)
 - Applicable to all trusts and similar legal arrangements
- Possible extensions
 - Data Act (Single Market for all connected objects)
 - Digital Market Act (March 25th, 2022)
 - DSA (Digital Service Act - April, 23rd, 2022)



I3 market shall respect various laws, regulations and directives as it is an innovative financial and legal ecosystem

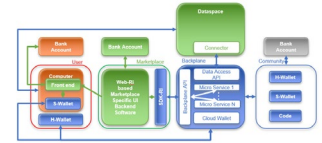
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2 steps Consent management

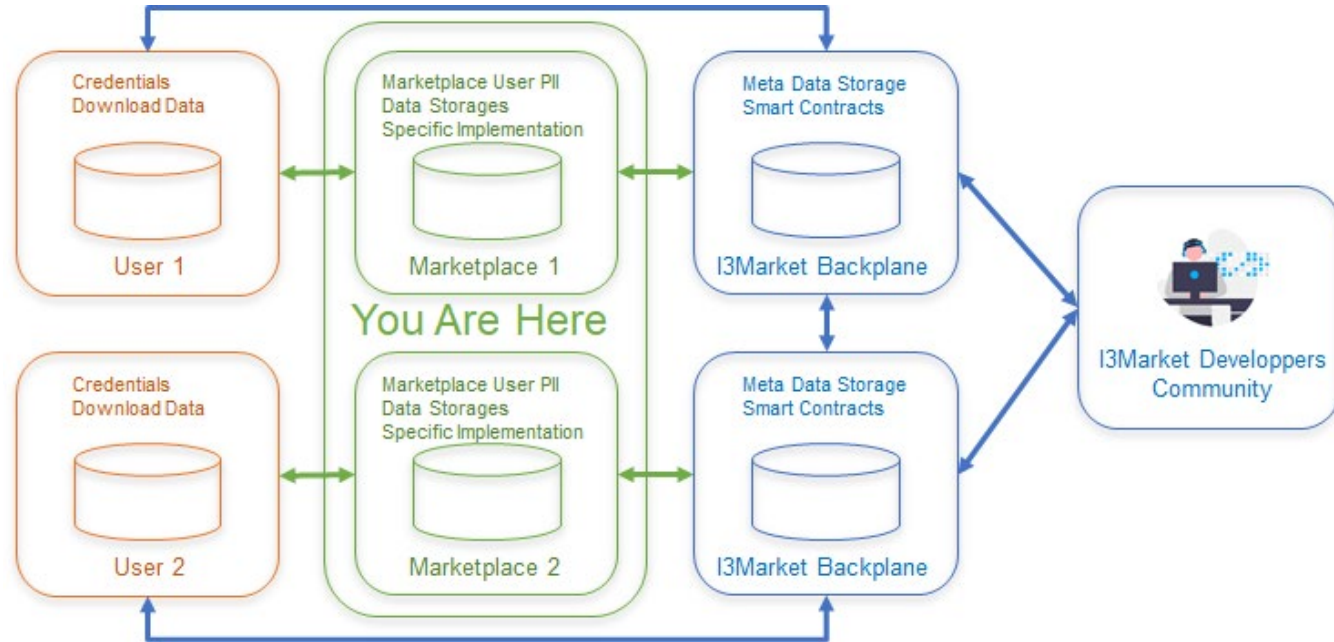


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Stakeholders dependency overview



- 3 Levels of responsibility
 - Data Controller (Left)
 - Joint Controller (Middle)
 - Data Processor (Right)



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Marketplaces Commitments

- Record of processing activities
 - The actors involved (controller, processors, representative, joint controller, etc.) in the data processing;
 - The categories of data processed;
 - The purpose of the processing (what you do with the collected personal data), who has access and who are the recipients of the personal data;
 - For how long you are retaining the personal data;
 - The technical and organizational security measures implemented.
- Data protection
 - Ensure data minimization during the API calls
 - Ensure that any alert raised can be accessible to any users
 - Guarantee developers' loyalty
 - Provide the consent forms to data owners and providers
- Security
 - Inform the users about their responsibilities regarding data sharing
 - Sensibilize users about their computer's local safety

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Key Take aways

■ Privacy

- GDPR compliant thanks to :
 - Consent Mngt
 - Data portability

■ Security

- Data Transfer
- Data retention rules
- Encryption mechanisms

■ Novelty

- Chain of various actors over data lifecycle
 - Each I3M user can change its status (Data owner, Provider, consumer)
 - Data monetization with tokens fees for infrastructure costs & development community

■ Legal terms of use of I3M

■ Code of conduct most probably part of our delivery

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