

CWS/10

Blockchain for IP ecosystem

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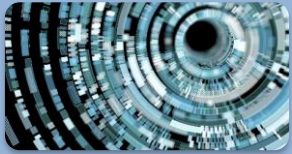
IP Register in blockchain



Service roadmap



Sandbox and use cases



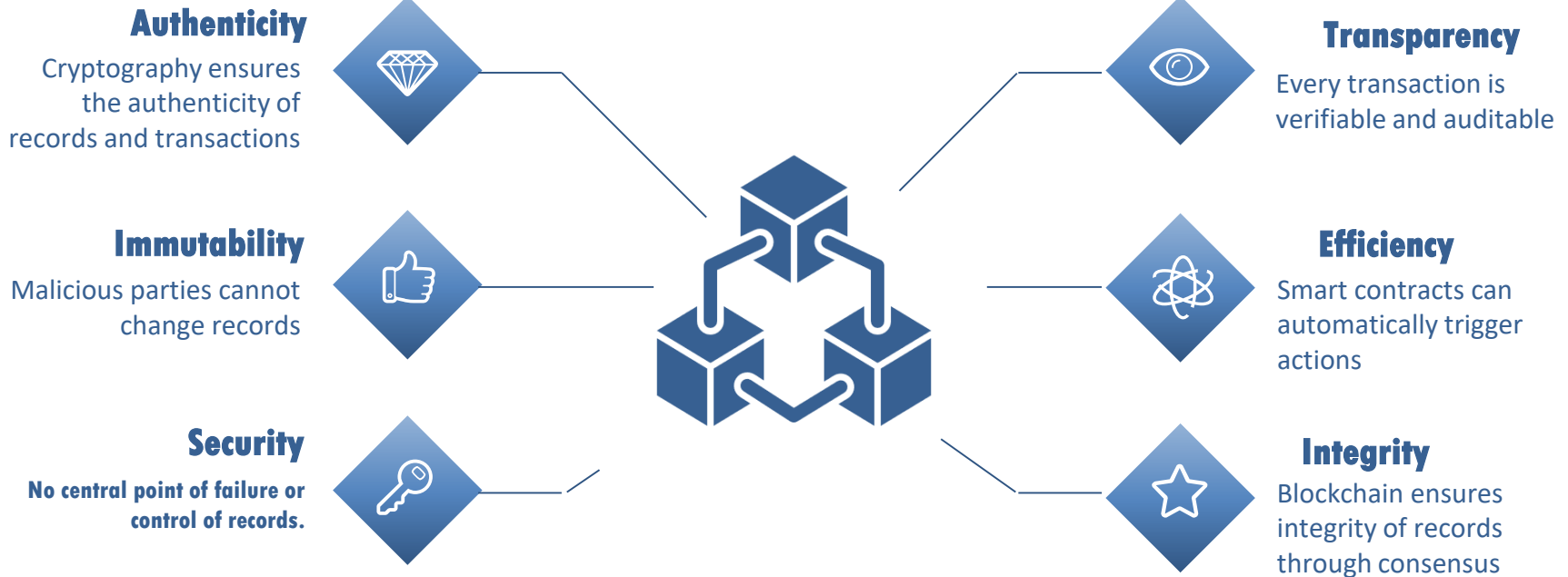
IP Register in blockchain



Service roadmap



Sandbox and use cases



TMview
DESIGNview

IP register on blockchain

**EU and International Offices
July 2020 to June 2025**



- Batch data transfer to TM & Design View
- Error prone
- Unrealised potential

Integration of:

- 26 EU IPOs incl. EUIPO
- Potential extension abroad

- Near real-time data transfer
- Network benefits
- Modern service platform

Project benefits



Blockchain network improves security and stability



Improved timeliness with real-time data transfer



Embrace blockchain to keep pace with IP sector direction

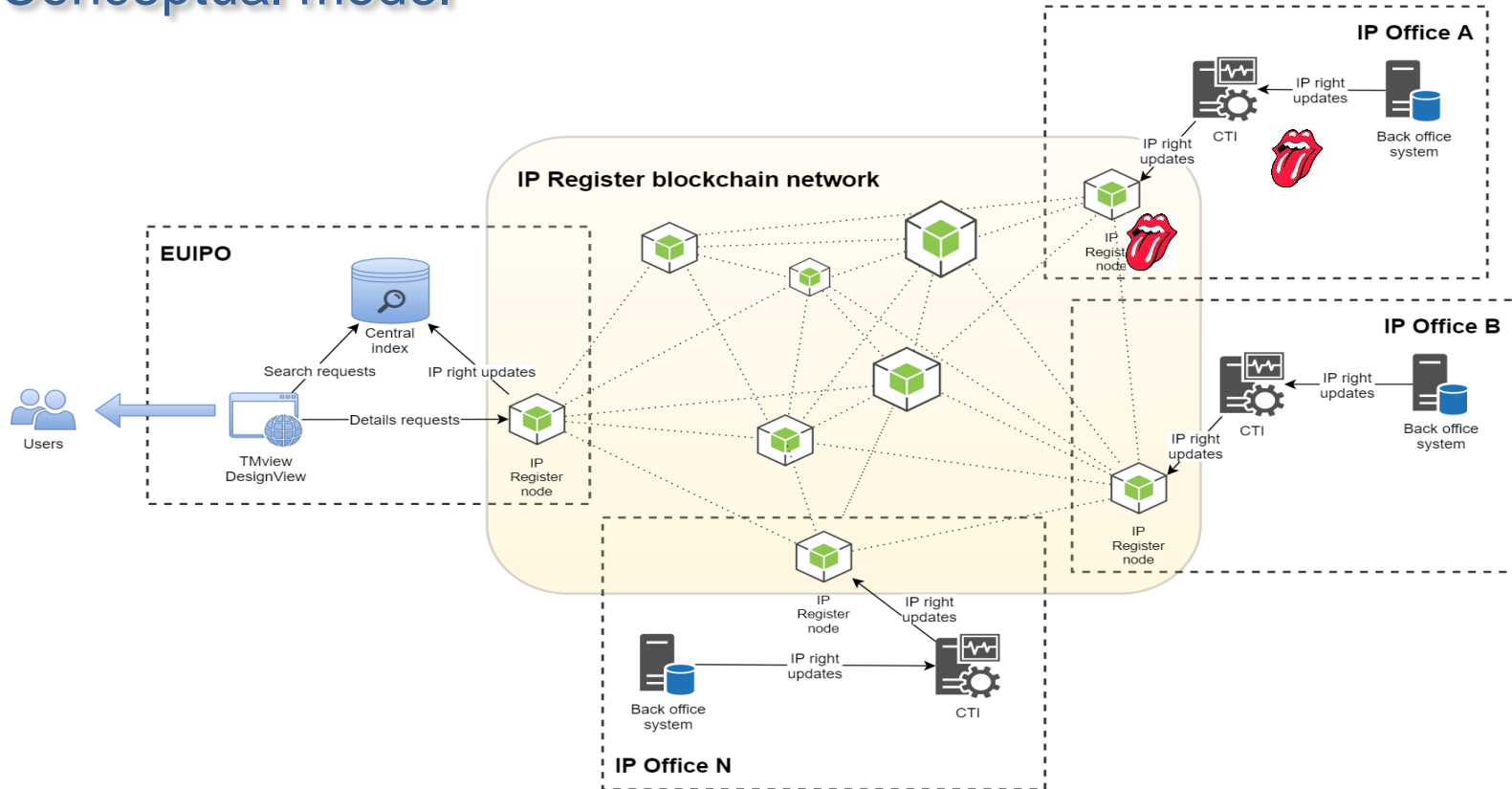


Economic benefits from improved operations and increased efficiencies



Hi integrity platform opportunity for more and more trusted services

Conceptual model





• Network successfully established

- Blockchain network of nodes EUIPO, Malta, Estonia, Lithuania and Poland
- Proven onboarding process



• More onboarding of offices

- In progress Hungary, Italy, Latvia and Portugal
- Further talks for 2023 participation



• History & Extract service arrival

- Go-live Q4 2022
- Blockchain history can be viewed, shared and extracted



• Further services under development

- Certificates and priority claims services
- Potential IP Wallet for rights holder identification and access to IP
- ECP5 and sandbox to shape new services

Office Integrations



	EUIPO	Malta	Estonia	Lithuania	Poland	Hungary	Italy	Latvia	Portugal
Specification	✓	✓	✓	✓	✓	✘	✓	✘	✘
Development	✓	✓	✓	✓	✓		✓		
Test & train	✓	✓	✓	✓	✓		✓		
Technical Go-Live	✓	✓	✓	✓	✓		✘		
TMDS Go-Live	✓ 2m TM ✓ 1.4m Des	Q1 21 ✓ 62k TM 2022 ✘ 1k Des	Apr 22 ✓ 64k TM Apr 22 ✓ 2k Des	Feb 22 ✓ 90k TM Feb 22 ✓ 4k Des	Q4 22 ✓ 34k Des	Q1 23 ✘ 135k TM Q1 23 ✘ 15k Des	Q4 22 ✘ 1.09m TM	Q1 23 ✘ 67k TM Q1 23 ✘ 3k Des	Q1 23 ✘ 554k TM Q1 23 ✘ 57k Des



IP Register in blockchain



Service roadmap



Sandbox and use cases

Why Blockchain?

Native blockchain capabilities make IP Register in Blockchain a natural platform for new services

- Timestamped evidence of state and ownership

Timestamping



- Automated IP Office interactions

Smart contracts



- Cryptographic authenticity of certificates

Proof of existence



- Distributed rights holder ID

Decentralised identifiers



High

↑
Increasing value

TM view
DESIGN view

Data Transfer



Seniority claim verification (EU)



IP history view



Real-time updates



Data validation

Priority and Certificates



Self-service certificates



Priority claim verification



User Portal

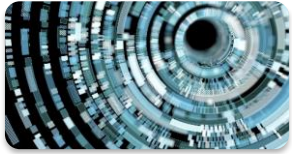
Tokenisation



Digitised IP

Increasing Implementation Effort

→ High



IP Register in blockchain



Service roadmap



Sandbox and use cases



Optimised
Priority Claims
for IP Filings



Automated
Priority Claim
validation



Self IP Certificate
Request and
Presentation

Work in progress



Optimised
Priority
Claims for IP
Filings



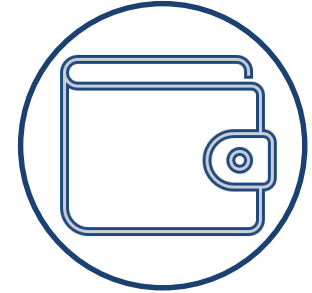
Automated
Priority Claim
validation



Self IP
Certificate
Request and
Presentation



Single IP
Rights
Holder
decentralised
identifier



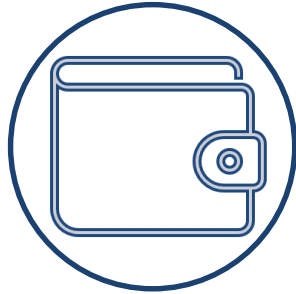
Single IP
Wallet for all
IP rights held

Work in progress

Exploration



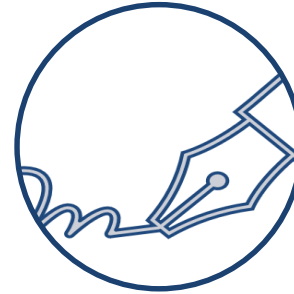
Single IP
Rights
Holder
decentralised
identifier



Single IP
Wallet for all
IP rights held



Direct
Licensing of
IP

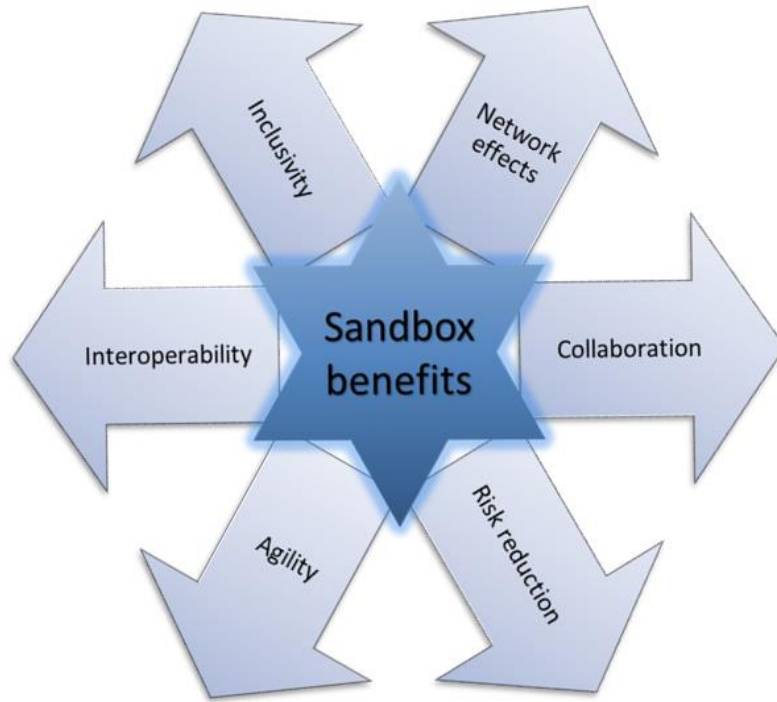


Direct Power
of Attorney
assignment



Secure proof
of invoices
for fraud
avoidance





Blockchain brings new ways of doing things



The “sandbox” is the playground for exploration



Concrete proposals follow from the sandbox results



Questions



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THANK YOU

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