

WIPO Blockchain Whitepaper for IP ecosystems

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Topics for discussion

- Objectives of the Whitepaper
- Main preparatory activities
- Key features of Blockchain
- > Blockchain Rationale
- > Overview of IP ecosystems and Blockchain uses
- Potential Blockchain applications in IP ecosystems
- Key findings and Considerations
- Areas of future works



Main objectives of Whitepaper

Gather information	Explore the	Analyze
on how blockchain	opportunities and	implications of
is perceived in	challenges of	blockchain
general and within	using blockchain	applications in IP
IP community	technologies for IP	space
Identify potential applications of blockchain in IP ecosystems	Support the Blockchain Task Force	Suggest recommendations for consideration

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Whitepaper consists of

Executive Summary & Main body with 4 Annexes

Annex I: Overview of IP ecosystems

Annex II: Survey results

Annex III: Potential use cases

Annex IV: Mock-up DIDs



Preparatory Activities

Desk Research on BC based applications:

- Projects/initiatives/research works related to IP in the last 4 years
- Applications are being used or explored around the globe in all IP value chain, but still in PoC or pilot

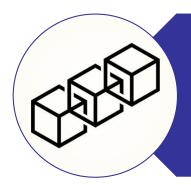
Survey: 139 responses from IPOs and IP industry

- Questionnaire: 6 sections and 64 questions
- Majority of participants work in IP legal services (40%) and management (31%) focusing on the protection and management phases of the IP ecosystem.

Interviews with 10 organisations and entities

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Key features of Blockchain



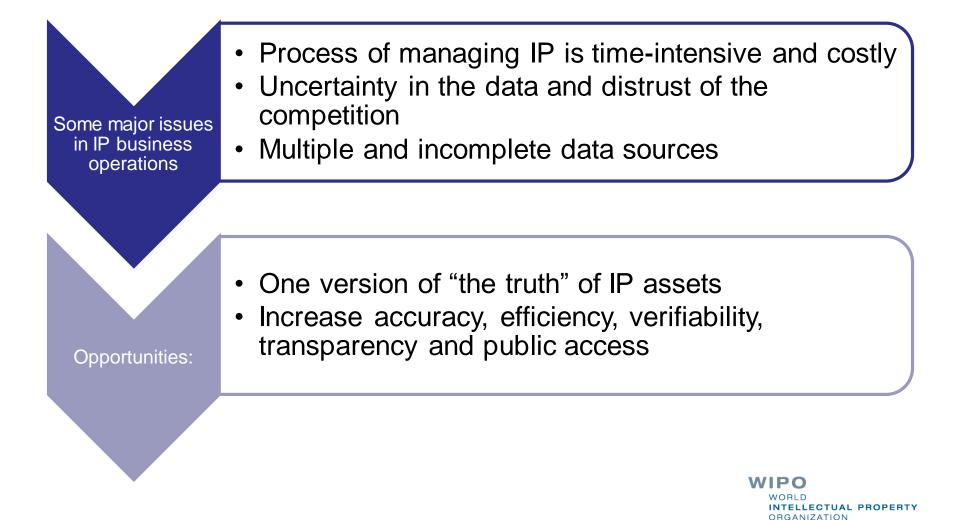
- Decentralization, distributed ledgers, consensus mechanisms, immutability of records and encryption



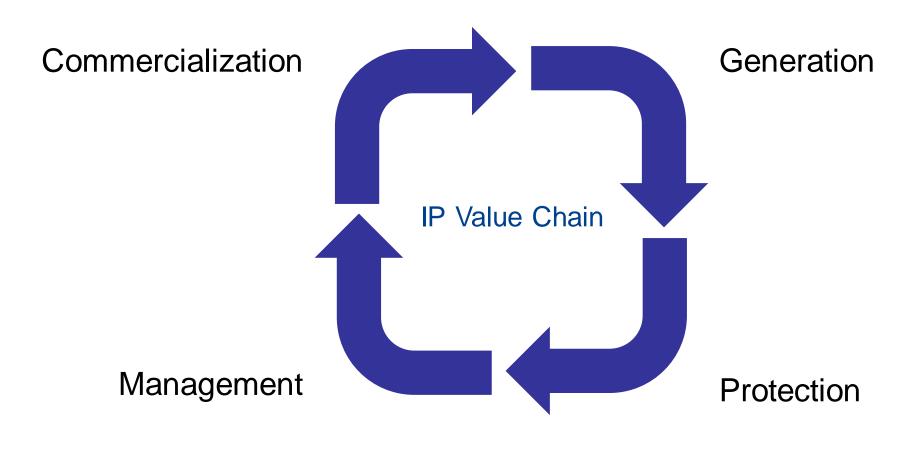
 Tokenization, Smart Contracts, Automation and Self-Sovereign Identity (SSI)

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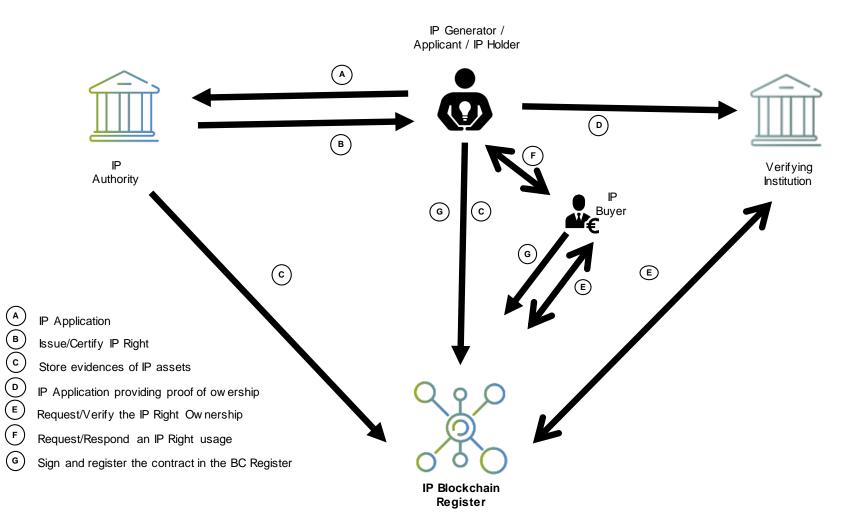
Blockchain Rationale in IP ecosystems



IP Ecosystems and IP Value Chain



Blockchain use in IP ecosystems



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Potential Applications in IP ecosystems

- All types of IP assests: Registered and Unregistered Rights
 - Industrial property / Copyright and related rights
 - Protection and Access to digital data
 - > IP enforcements
- > All phases of IP value chaines
- Horizontal and Vertical use cases

Continued ...

Horizontal Uses



Digital Identity



Trust data sharing



Timestamping



Proof of existence of intellectual assets



Provenance authentication

Many others

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Vertical Uses



IP Registers



Evidence of trademark use



IPR Transfer/Licensing



IP Ownership Management



IPR Enforcement



Priority doc exchange

Many others

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Key findings (1/2)

Blockchain is impacting every industry

Cultural transformation as well as technological transformation toward a programmable society

Hype seems over, but Blockchain is at its early stage

Numerous blockchain initiatives at international level and in IP space



Key findings (2/2)

Disrupting and complementing IP business operations

Various oppirtunites and challenges identified

Common identification of IP assests and entities

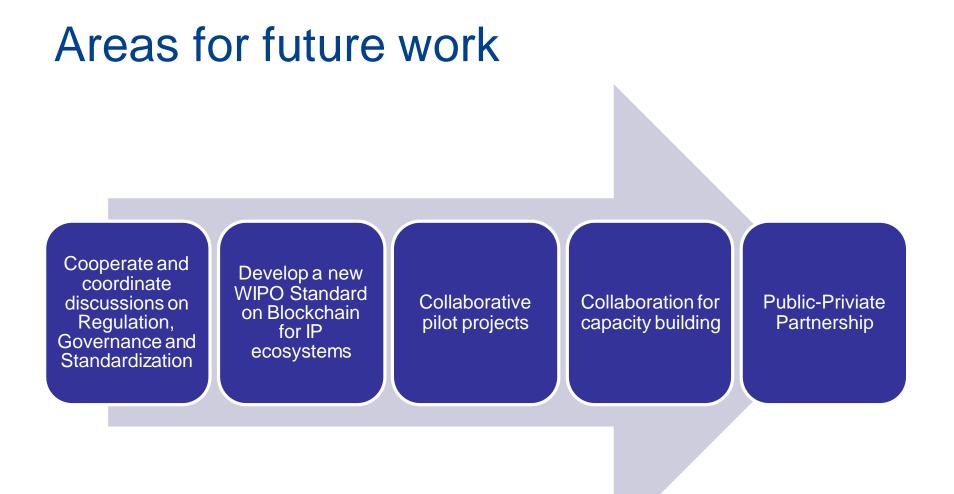
Importance of Verifiers' role

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Main Considerations



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Questions



