



WIPO

WORLD
INTELLECTUAL PROPERTY
ORGANIZATION



WIPO Work on Blockchain

Edward Elliott
Standards Section

Overview

- WIPO Standards
- WIPO Discussions on Blockchain
- Potential Use Cases in IP
- IP Office Projects
- Future work

What are WIPO Standards

For IP Information and Documentation:

- provide a single, common framework for working with IP documents and information, at all stages of prosecution
- enable IP offices around the globe to work in a more efficient, harmonious, and timely manner
- streamline international cooperation among IP offices
- help public users of IP information to better access and make use of that information

Who develops WIPO Standards

Committee on WIPO Standards (CWS):

- collaborative international forum for developing [WIPO Standards](#) and other matters related to industrial property information and documentation.
<https://www.wipo.int/cws/en/>
- comprises 192 member states and observers
- 16 expert groups (Task Forces) carry out work under the CWS with participants from IP offices and industry user groups

WIPO Discussions on Blockchain

- ICT Strategies and AI for IP Administration meeting in May 2018:
 - Meeting documents:
https://www.wipo.int/meetings/en/details.jsp?meeting_id=46586
 - Recommendation: Explore possibility to interlink distributed IP registries (R12)
- Committee on WIPO Standards (CWS) created a Blockchain Task Force in Oct 2018
- Workshop on Blockchain and IP held in April 2019

WIPO Blockchain Task Force

Member States established the Blockchain TF to:

- Explore the possibility of using blockchain technology to support IP rights protection, management, and use
- Develop reference models for using blockchain technology in the IP field, including guiding principles, common practice, and use of terminology

Blockchain Workshop - Purpose

- Main objectives

- Bridge the IP community and blockchain community to discuss potential use cases for IP

- Explore appropriate roles for the public and private sectors in the IP and blockchain ecosystem

- Develop areas for WIPO standardization of IP data for blockchain

- Materials available at

- https://www.wipo.int/meetings/en/details.jsp?meeting_id=51407

Blockchain Workshop - Results

- Two day workshop: 1. general features and uses of blockchain and 2. IP-specific uses of blockchain
- Covered topics include:
 - Existing and planned blockchain applications in public services
 - Blockchain applications for IP: patent management and copyrights management
 - Opportunities and Challenges for IP Ecosystem
 - Blockchain and standardization

Potential use cases in IP



Patent Management



Certification Trademarks



Supply Chain Tracking



Trade Secret Management



Evidence of Creation



Provenance Authentication



Smart IP Rights and Registries



IP Enforcement



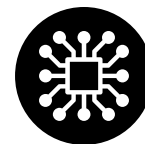
Smart Contracts



Evidence of Use



Anti-counterfeiting

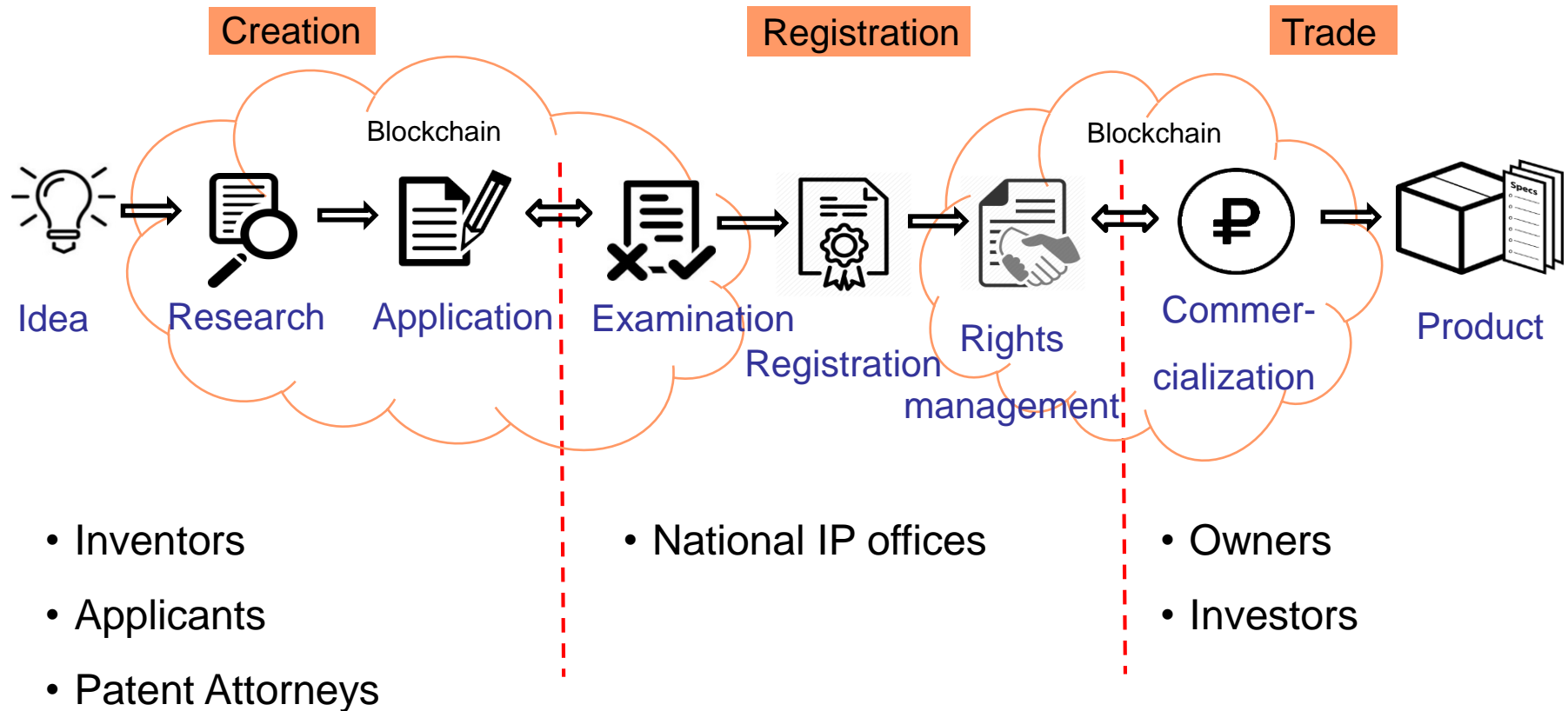


Digital Rights Management



Traceability

Rospatent: IP rights creation chain



IP Australia – Smart Trademark 1

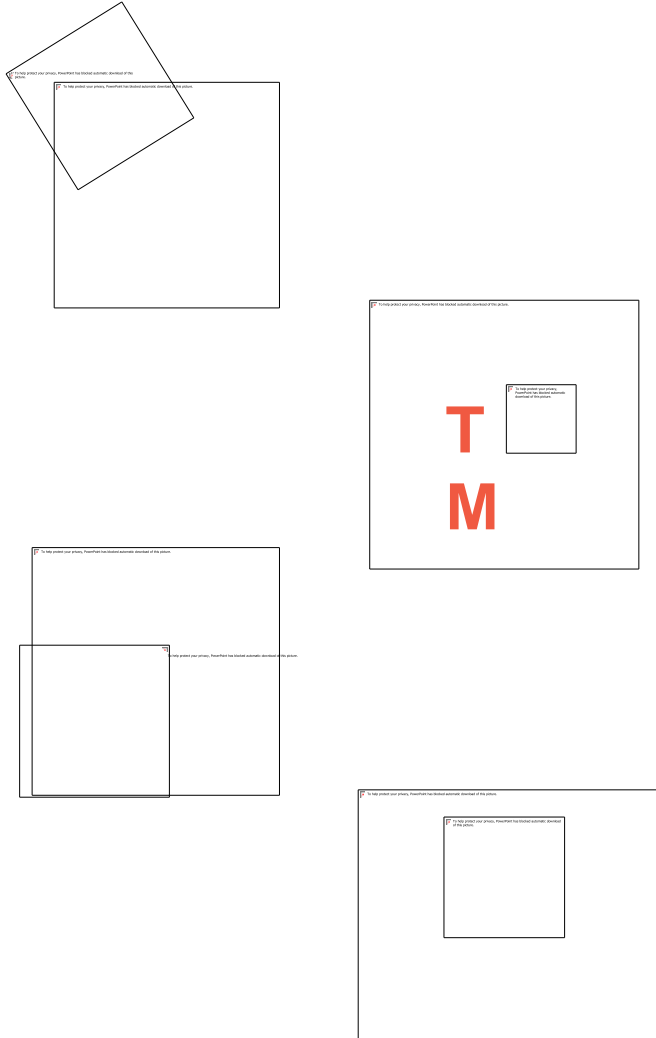
Business Problem

No mechanisms for real-time enforcement

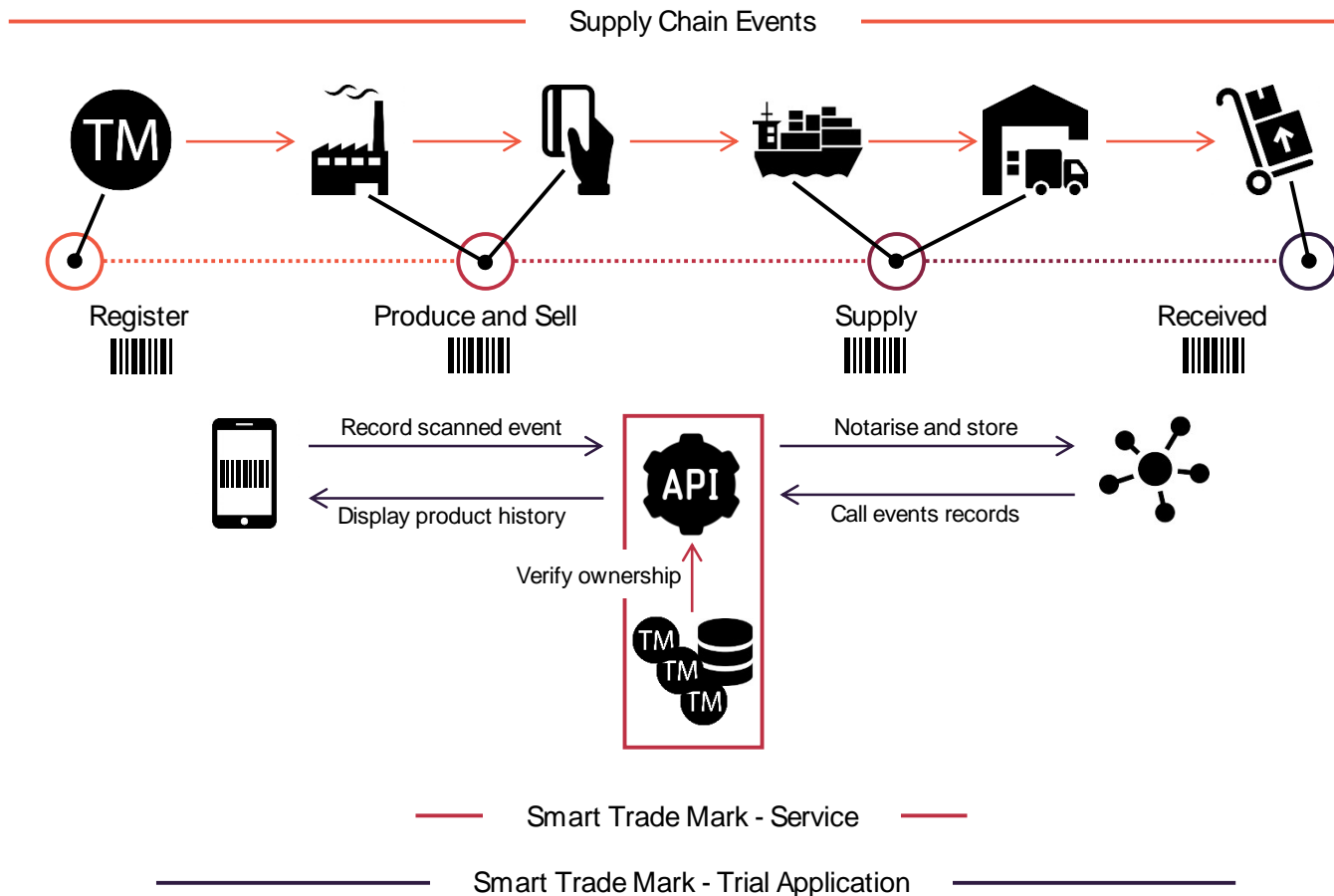
Creates ease of replicating trade marks on products and digital applications

With limited visibility of supply in export markets

This leads to counterfeit goods that deteriorate Australian brands



IP Australia – Smart Trademark 2



Areas for future work

- Explore and develop potential use cases for blockchain technology in the IP ecosystem
- Coordinate pilot projects on IP and blockchain with IP offices and the blockchain community
- Discuss standards to ensure interoperability between IP blockchain systems and actors, focusing on IP data to be stored on a blockchain
- Cooperate with other blockchain standardization bodies on issues in common
- Prepare a white paper on blockchain for the IP ecosystem

Questions and Discussion

■ Thanks for your attention!