## PROJECT BRIEF: PROPOSAL FOR ESTABLISHING A GLOBAL PLATFORM TO FACILITATE IP INFORMATION EXCHANGE

*Proposal submitted by the Delegation of Saudi Arabia*

## CURRENT SITUATION AND CHALLENGES

The Delegation of Saudi Arabia has noted the following limitations with how IP Offices can exchange IP data:

* **IP Offices Limitations and Constraints:** IP offices around the world often face significant challenges when it comes to exchanging data and information, due to conflicting IT infrastructures, divergent data standards, and the limitation of manpower and capacity constraints.
* **IP Offices Duplication of Efforts**: In their own efforts, IPOs frequently encounter situations where they duplicate efforts in data exchange and model trainings. This redundancy not only results in wasted time and resources but also creates inconsistencies.

## PROPOSED SOLUTION: ESTABLISH A GLOBAL PLATFORM TO FACILITATE IP INFORMATION EXCHANGE

Establishing a global platform for intellectual property (IP) information developed and managed under the supervision of the World Intellectual Property Organization (WIPO), in accordance with national policies, with the purpose of promoting IP information accessibility and exchange in multiple formats such as WIPO Standard ST.36, ST.96, ST.66, ST.86 or other customized formats. This proposed platform has the potential to leverage the existing global databases, including [Patentscope](https://www.wipo.int/patentscope/en/), [Global Brand Database](https://www.wipo.int/reference/en/branddb/), and [Global Design](https://www.wipo.int/reference/en/designdb/) [Database](https://www.wipo.int/reference/en/designdb/). We propose creating a new CWS Task dedicated to examining this proposal in collaboration with the International Bureau and interested IPOs. The Delegation of Saudi Arabia offers to lead the Task Force if it is established.

## PROJECT BRIEF PROPOSAL

Description and Business model

To address the fragmented landscape of intellectual property (IP) data request, we propose a global platform provided under WIPO’s supervision which harmonizes and standardizes IP data from diverse sources, including patents, trademarks, and industrial designs. The platform will adhere to data privacy regulations and IP protection standards, offering a user- friendly interface, and multi-lingual support.

This global IP platform will become an invaluable source for IPOs, facilitating data flow from/to different offices, support and expediate efficient exchange activities among offices, and promote IP data standardization.



*Figure 1: Proposed architecture*

A proposed architecture is shown in [Figure 1](#_bookmark0) and the steps of operations are expected to be as follows:

* **Step 1:** Receiving IP Information exchange requests from beneficiary IP Offices
* **Step 2:** After fulfilling the requirements, such as signing an agreement, Providing IP Offices will share requested information.

Expected benefits and outcomes to be realized

The following benefits are hoped to be achieved by WIPO providing this type of data exchange platform:

1. Supporting and encouraging all intellectual property offices to exchange their IP Information.
2. Facilitating automated IP Information exchange with accreditation.
3. Facilitating communications between IPOs regards the IP Information exchange.
4. Making data available according to all WIPO standards
5. Connecting to a secure network
6. Enhancing investment in intellectual property information
7. Enriching knowledge and stimulating innovation.
8. Enhancing international enforcement of intellectual property protection.

Expected challenges

The following challenges expect to need to be addressed during development of this global platform:

1. Errors or inconsistencies in the data could undermine the database’s reliability and lead to misleading or inaccurate information for users.
2. Data breaches or leaks could expose restricted information, potentially harming individuals or organizations and leading to legal or reputational damage.
3. Lack of cooperation or conflicting interests among different jurisdictions could hinder data sharing, standardization efforts, and the database’s overall effectiveness.
4. Insufficient funding or waning support could lead to stagnation, outdated data, and a decline in the database’s usefulness and relevance.

Project timelines and proposed schedule (tentative)

***Year 1***

Q1

* Project initiation and planning
* Requirements gathering and stakeholder engagement
* Feasibility assessment and risk analysis
* Resource allocation and team formation

Q2

* Database design and architecture development
* Data acquisition and licensing agreements
* Data ingestion and processing pipeline development
* Initial data quality assessment and cleaning

Q3

* Search and retrieval functionalities development
* User interface design and prototyping
* Data standardization and harmonization efforts
* Security and privacy framework implementation

Q4

* Alpha testing and user feedback collection
* Data quality improvement and error correction
* International collaboration and data sharing agreements
* Legal and regulatory compliance review

***Year 2***

* Beta testing and refinement of database features

Q1

Q2

Q3

Q4

* User documentation and training materials development
* Performance optimization and scalability testing
* Security audits and vulnerability assessment
	+ Launch of the global intellectual property database
	+ Ongoing data updates and maintenance
	+ User support and feedback mechanisms
	+ Promotion and outreach to stakeholders
	+ Monitoring and evaluation of database usage
	+ Performance analysis and optimization
	+ Feature enhancements and updates
	+ Expansion of data sources and partnerships
	+ Continuous improvement and innovation
	+ Sustainability planning and funding strategies
	+ Long-term roadmap for database development
	+ Global outreach and adoption initiatives

Success factors

The following criteria should be achieved in order to ensure that the platform had achieved its original objectives:

* **Comprehensive data coverage**: The platform should encompass a wide range of intellectual property types, including patents, trademarks, copyrights, and industrial designs, covering various jurisdictions and historical data.
* **Data accuracy and reliability**: The platform must maintain high data quality standards, ensuring accuracy, consistency, and reliability to provide trustworthy information for users.
* **User-friendly interface:** The platform should provide an intuitive and user-friendly interface, making it easy for users to navigate, search, and access the information they need.
* **Advanced search capabilities:** The platform should offer advanced search functionalities, allowing users to filter, refine, and analyze intellectual property data based on various criteria.
* **Multi-lingual support:** The platform should support multiple languages, catering to a global audience and facilitating access for users from diverse linguistic backgrounds.
* **Robust security and privacy:** The platform must implement stringent security measures to protect intellectual property data from unauthorized access, breaches, or misuse.
* **International collaboration:** The platform should foster collaboration among national and international intellectual property offices, promoting data sharing, standardization, and harmonization efforts.
* **Sustainable funding model:** The platform should have a sustainable funding model to ensure ongoing maintenance, data updates, and feature enhancements.
* **Legal and regulatory compliance:** The platform must adhere to data privacy laws, intellectual property regulations, and international treaties to operate legally and responsibly.

## PROJECT BRIEF INITIAL PLANNING

Initial rough cost estimates

|  |  |
| --- | --- |
| Cost category | Estimated cost (CHF) |
| Initial Development | 1,650,000.00 |
| Infrastructure | 1,000,000.00 |
| Ongoing maintenance | 1,000,000.00 |
| Additional Considerations | 200,000.00 |
| GRAND TOTAL | 3,450,000 |

Resource requirements

The following resource requirements should be considered during planning activities.

# *Human resources*

* Database Developers: Experienced software engineers and database architects to design, develop, and maintain the database infrastructure.
* Data Scientists: Experts in data analysis, data mining, and machine learning to process, clean, and harmonize intellectual property data.
* Subject Matter Experts: Intellectual property lawyers, patent examiners, and trademark specialists to provide domain expertise and ensure data accuracy.
* User Interface Designers: UX/UI designers to create a user-friendly and accessible interface for the database.
* Project Managers: Experienced project managers to oversee the project's planning, execution, and coordination.

# *Hardware resources*

* Hardware: High-performance servers, storage systems, and networking equipment to support the database's scalability and performance.
* Software: Database management systems, data processing tools, data visualization software, and security software.
* Cloud Infrastructure: Cloud computing resources for scalability, flexibility, and cost- efficiency.

# *Data resources*

* Intellectual Property Data: Access to intellectual property data from various sources, including national and international intellectual property offices, patent databases, and trademark and others.

# *Financial resources*

* Development Funding: Initial funding for platform development, infrastructure setup, and data acquisition.
* Ongoing Funding: Sustainable funding model for ongoing maintenance, data updates, and feature enhancements.

# *International collaboration*

* Partnerships: Collaborative partnerships with national and international intellectual property offices to facilitate data sharing and standardization.
* Cross-Jurisdictional Expertise: Expertise in navigating the legal and regulatory frameworks of different jurisdictions.

# *Legal and regulatory compliance*

* Legal Expertise: Legal counsel to ensure compliance with data privacy laws, intellectual property regulations, and international treaties.
* Data Governance Policies: Robust data governance policies to ensure data privacy, security, and ethical use.

# *Sustainability planning*

* Long-Term Funding Strategy: A sustainable funding model to support the database's ongoing operations and future growth.
* Continuous Improvement: A commitment to continuous improvement, feature enhancements, and data updates.

[End of Annex and the document]