

# PCT Web Services

- **Current status**
- **Technical environment**
- **Future approach and developments**

# Current Status (1/2)

## ■ Patentscope Web Services

- Available since 2007, with almost no changes since deployment
- Widely used by IP Offices and private subscribers to get published bibliographic data and documents

### ■ Example of operations

***getAvailableDocuments*** returns the list of available documents for the specified application number;

***getDocumentTableOfContents*** returns the list of page ids for the specified document id;

***getIASR*** returns the XML bibliographic summary for the specified application number.

# Current Status (2/2)

- ePCT Web Services (Machine2Machine)
  - Internal use between PCT systems
  - Pilot Project started in 2017 with one IP Office and one large Patent Applicant (WIPO is the service provider, subscribers and IP Offices are the consumers)
  - Enabling access, prior to publication, of bibliographic data and all documents (e.g. private file inspection)
  - Allowing real time exchange of documents and data with Offices using their own IT systems for international phase processing
  - Offering improved services to designated Offices following national phase entry

# Technical Environment

## ■ Patentscope Web Services

### ■ **SOAP** Web Services

■ Data: ST.36 format, ZIP of TIFF images and XML

■ Location <http://www.wipo.int/patentscope-webservice/servicesPatentScope>

## ■ ePCT Web Services

### ■ **RESTful** Web services

■ Supported formats: XML, JSON, PDF streamed, ZIP of TIFF images

■ Security using strong authentication methods as per ePCT portal

■ Location (DEMO): <https://pctwsdemo.wipo.int/api/office/1.0/>

# Future Approach and Developments <sup>(1/2)</sup>

## ■ ePCT Machine2Machine

- Offering functionality typically available in the web portal for both IP Offices and private users
- Can offer not only services for consumption, but also for updates (e.g. upload documents, actions on PCT applications)
- Can provide simple services such as rendering PCT forms using supplied XML

# Future Approach and Developments (2/2)

- To get Machine2Machine effective in the Applicant-Office sector, we need to persuade suppliers of patent systems to implement the services in a standardized way
- To develop services that are sufficiently similar between PCT and national/regional systems
- To have a good degree of convergence between the different national systems

# Conclusion

- There is no point in any of us developing brilliant web services if hardly anybody implements the opposite end
  - The IB has already implemented some PCT web services and is using them on a test basis with some partners
  - The partners were informed that these are likely to change before we have something which we would regard as a system for long term support
  - The IB is happy to make some quite radical changes if Member States want to work with us towards a common goal. But we need to do this quickly and effectively



**Thank you!**