SP2028, PATLIB AND PATENT KNOWLEDGE

A BRIEF OVERVIEW

ENRICO LUZZATTO | EUROPEAN PATENT ACADEMY | AIDB ANNUAL CONFERENCE, 15 APRIL 2025

epo.org

OVERVIEW

■ SP2028

   ■ "Technologies" / "Partnerships"

■ PATLIB

■ Patent knowledge / TIP

■ Observatory / DTF

SP2028: FIVE DRIVERS

● Driver 1: People

Attract the best
Develop talent
Support mobility and flexibility
Strengthen social dialogue
Create an engaging physical home
Enhance the digital home
Manage our homes

● Driver 2: Technologies

Build a resilient digital infrastructure
Drive digital transformation
Deliver excellence through the use of digital tools
Leverage AI for our needs
Secure our data

● Driver 3: High-quality, timely products and services

Digitalise our process, improve our digital tools and use AI
Simplify our processes and procedures
Reskill and train
Maintain timeliness: bringing certainty to the market
Deliver high-quality products at every stage of the PGP – complete, correct and consistent

● Driver 4: Partnerships

Strengthen European cooperation
Strengthen international cooperation
Increase skills and knowledge

● Driver 5: Financial Sustainability

Towards financial sustainability in SP2023
Evaluating current progress
Looking to the future
Achieving financial sustainability and resilience

SP2028 – DRIVER 2: TECHNOLOGIES: AI

- The EPO's approach to AI is human-centric

- Some examples of applications:

  - AI-based preclassification engine to distributes files and allocate files. Accuracy of automatic preclassification is over 90%.

  - Solutions have also been put in place for pre-search, machine translation and re-classification

  - Pilot (May 2025). Drawing up minutes for oral proceedings in examination and opposition held in videoconference

SP2028 – DRIVER 4: PARTNERSHIPS - 1

■ Interoperability with NPOs and other partners, including the EUIPO and WIPO, in areas such as standard interfaces and convergence on technical platforms.

■ Joint work programmes will continue to be established with EU agencies, such as the EUIPO and the CPVO, Community Plant Variety Office, to facilitate the exchange of knowledge and information and help develop ground-breaking studies on technological trends

SP2028 – DRIVER 4: PARTNERSHIPS - 2

The EPO will:

■ Continue to develop in partnership with member states new technology platforms on highly relevant topics

■ Reinforce its role as a patent intelligence hub that brings high-quality information to all users by:

  ■ Making patent information services and tools more useable and accessible

  ■ Providing actionable and high-value insights on relevant topics

  ■ Improving the quality and timeliness of data offered to our stakeholders.

  ■ Driving innovation in data products and services and strengthening data management capabilities.

SP2028 – DRIVER 4: PARTNERSHIPS - 3

- The EPO's support for PATLIBs will also include access to, and training on, available tools in the field of patent knowledge and technology transfer certification that are essential to enhance PATLIB services

- In the course of SP2023 a cloud-based search system (based on ANSERA) was implemented, supporting search and examination activities at NPOs. Is used by over 1200 examiners in 28 countries.   It is planned to extend ANSERA use to PATLIBs
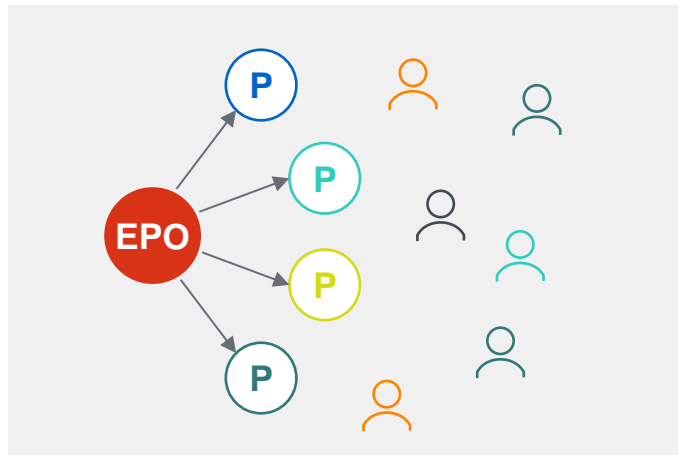
PATLIB28: STRENGTHENING THE PATLIB NETWORK –

SP2028 – CONFIRMING PATLIBS' ESSENTIAL ROLE

- PATLIBs

  - a unique asset of the European patent system.

  - help entrepreneurs, SMEs, private inventors and students understand how to successfully exploit patents and facilitate technology transfer.

  - essential for helping to bring ideas to market and in fostering and enabling a strategic use of IP and patents

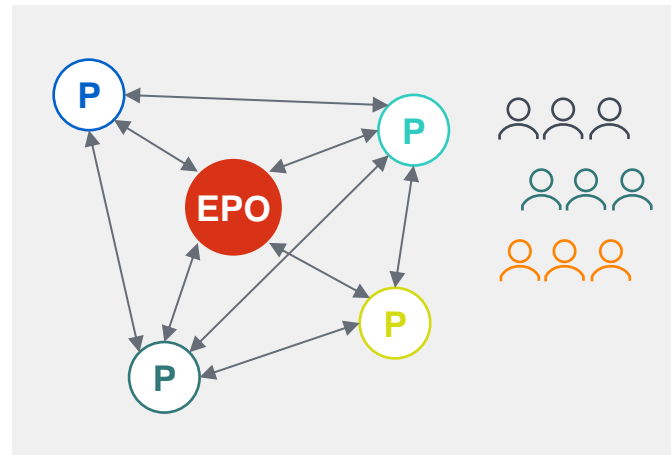- PATLIB expertise and knowledge beyond EPO Member States: KT2A

PATLIB EVOLUTION: INCLUSIVE AND INTEGRATED NETWORK

Past	Present	Future

Past
- Unidirectional
- Patent information
- CD-ROM distribution

Present
- Multidirectional
- Cross-exchanges
- Training
- Conference
- Taxonomy of centres

Future
- Integrated, EPO steered
- User profiling
- Identification of needs
- Knowledge sharing
- AI-powered query interpretation

PATLIB 2028

TOOLBOX

CONTENT

PATLIBs will improve their capability to provide quality advice and learning
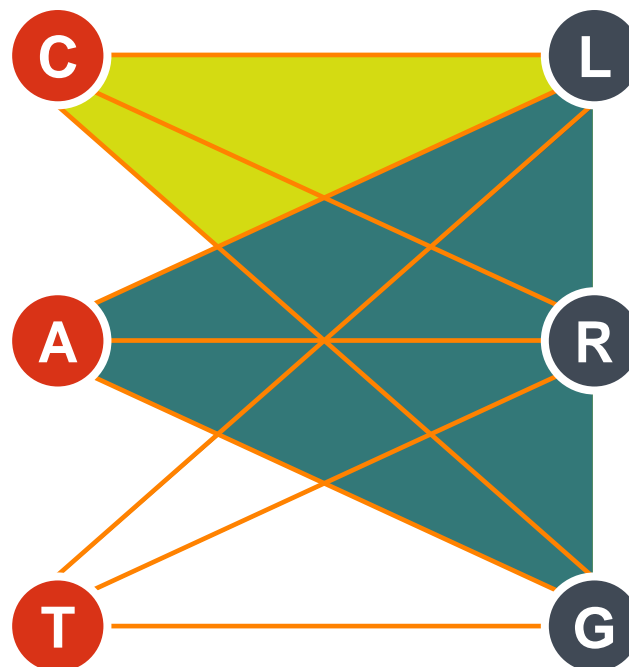
ACTION

PATLIBs will strengthen their central role in the innovation ecosystems

TOOLS

Digital tools already in place or to be developed will enable the delivery of content and the execution of action

OUTREACH

LOCAL

City and country specific, targeting local innovators, including universities, TTOs and SMEs

REGIONAL

European Patent Network, European regional technology transfer associations, innovation-related institutions, and EPN professional associations.

GLOBAL

Support Knowledge Transfer initiatives developed in Africa and elsewhere.

PATLIB28

- Increasing co-operation and communication within the PATLIB network

- Enhancing digitalisation to provide new services, fostering the pooling of requests from users and facilitating access to professional advice within the network

- Further promoting micro-funding and support packages for local events for SMEs, aspiring entrepreneurs, inventors

- Providing access to, and training on, available tools in the field of patent knowledge and technology transfer certification

- Increase the offer on technology transfer and commercialisation training via the current partnership with leading institutions in this sector, ASTP and LESI.

TECHNOLOGY INTELLIGENCE PLATFORM

WHAT IS THE TECHNOLOGY INTELLIGENCE PLATFORM? - 1

EPO's next generation tool for the public with the purpose of:

- Processing, analysing and visualising patent data;

- Extracting patent information and patent knowledge from data;

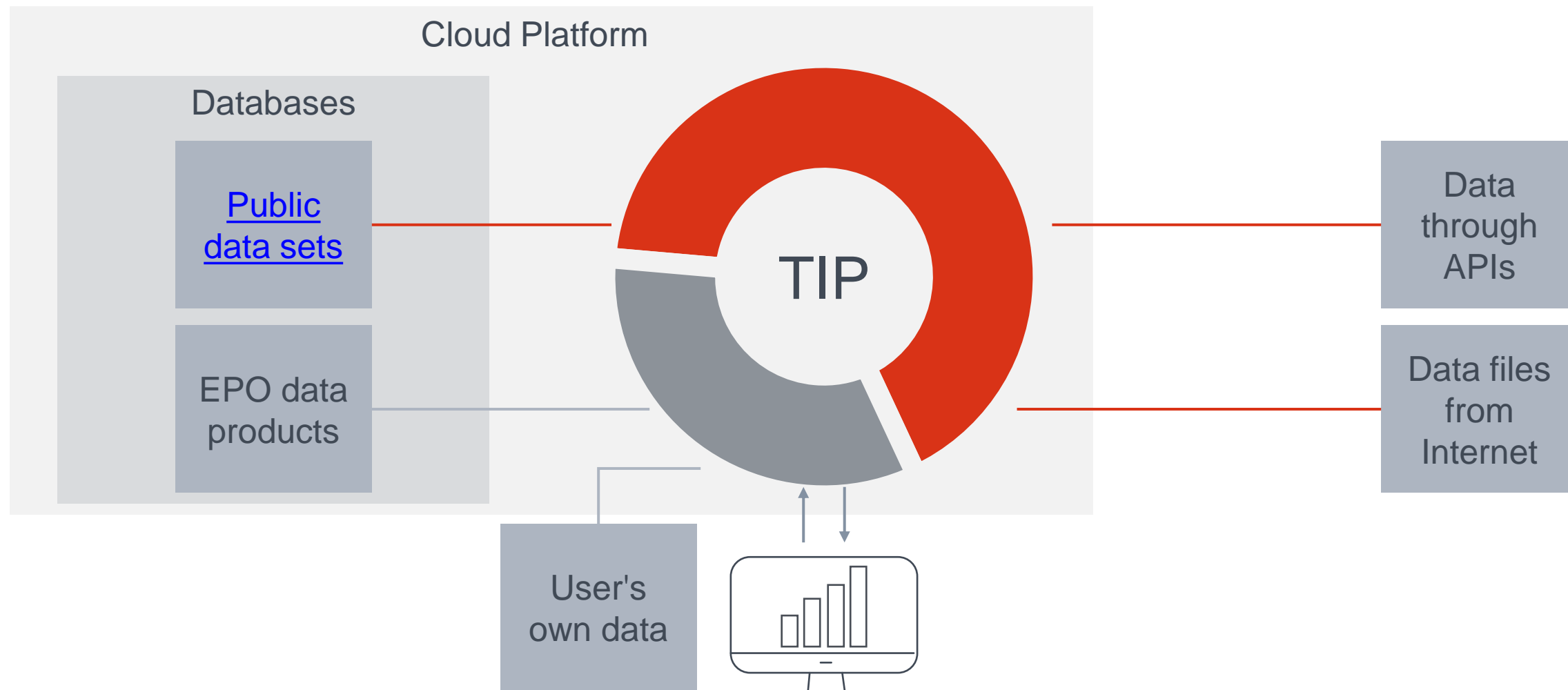- Fostering collaboration within the patent knowledge community.
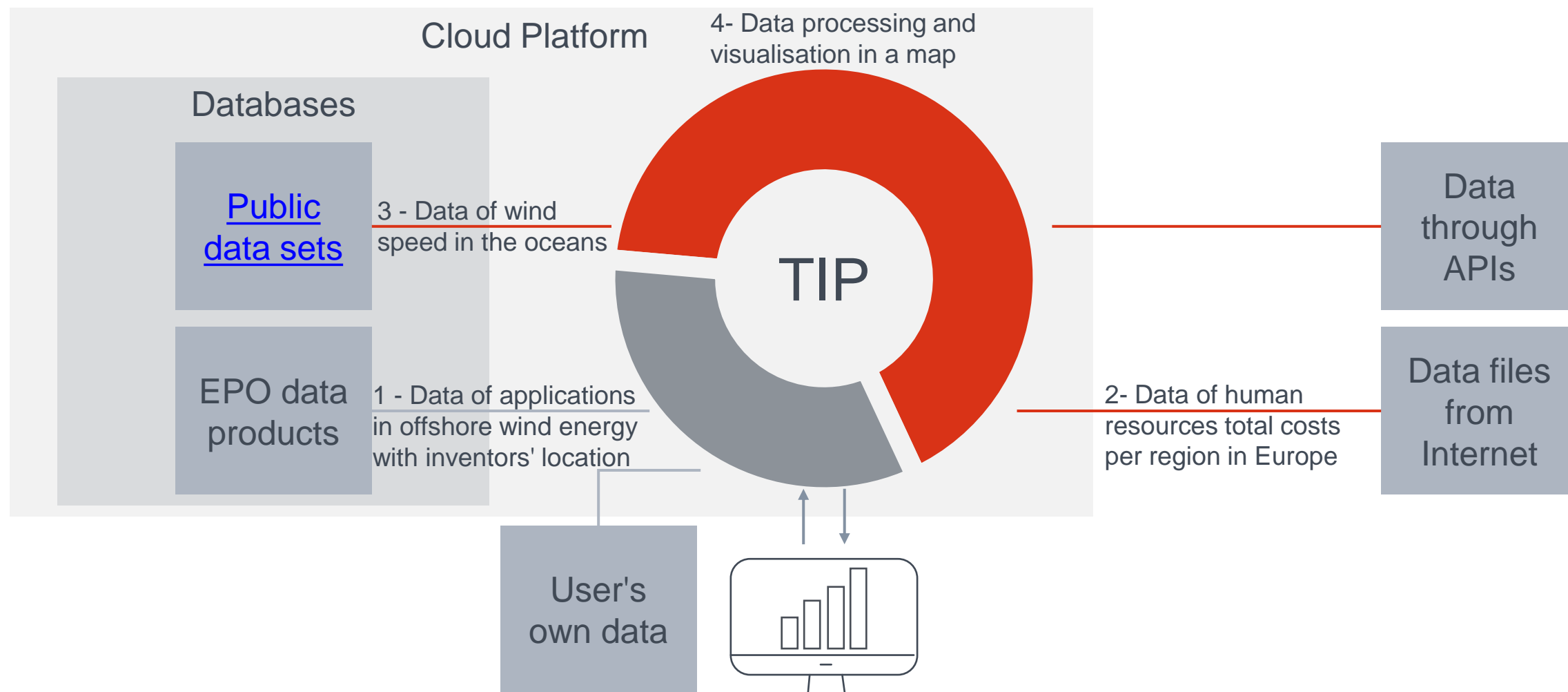
Offering:

- Ready-to-use platform;

- Computational power;

- Jupyter based environment supporting Python;

- Access to patent data: EP full-text and PATSTAT

WHAT IS THE TECHNOLOGY INTELLIGENCE PLATFORM? - 2

- The Technology Intelligence Platform (TIP) enables users to seamlessly access and process the EPO's extensive patent data collections, along with any other dataset, perform complex data analysis and facilitate data-driven decision-making.

- To effectively utilise the Technology Intelligence Platform, it is recommended to have a good understanding of Python, Jupyter notebooks and data analysis libraries.

https://www.epo.org/en/searching-for-patents/data/technology-intelligence-platform

Cloud Platform

Databases

Public data sets

EPO data products

TIP

Data through APIs

Data files from Internet

User's own data

18

Cloud Platform

4- Data processing and visualisation in a map

Databases

Public data sets

3 - Data of wind speed in the oceans

TIP

Data through APIs

EPO data products

1 - Data of applications in offshore wind energy with inventors' location

2- Data of human resources total costs per region in Europe

Data files from Internet

User's own data

DEMOCRATISING ACCESS TO TIP

To empower users to fully leverage the Technology Intelligence Platform's potential:

- EPO developed libraries for data retrieval

- Extensive documentation

- Self-explanatory notebooks

- Introduction to TIP training course

- Knowledge Innovation Hub Masterclass (tbc)
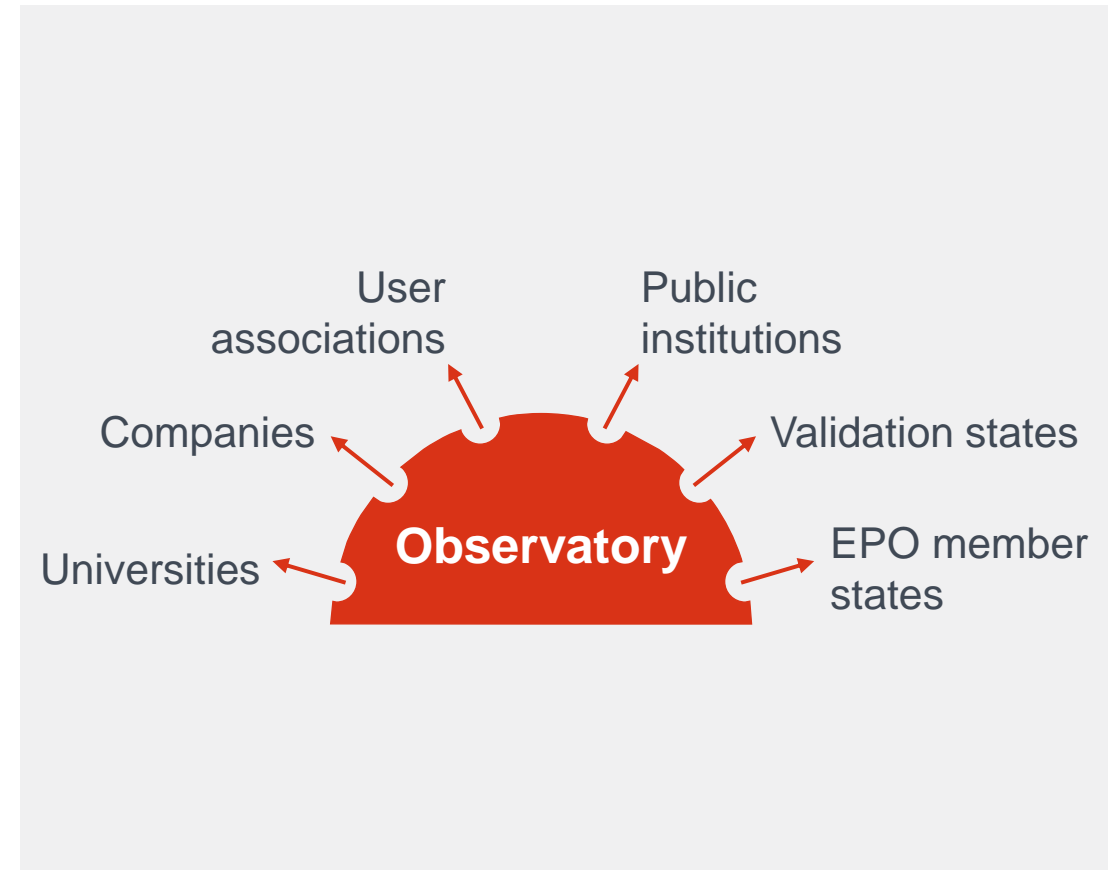
OBSERVATORY

OBSERVATORY – OVERVIEW

■ Informed debate on innovation, transparent and open to all.

■ Vital technology intelligence, from EPO, together with its stakeholders and leading experts from the fields of industry, finance, academia and IP.

https://www.epo.org/en/about-us/observatory-patents-and-technology

FACILITATING DECISION-MAKING

- **Collaborate** closely with stakeholders / wider context

- Use an **evidence-based** approach drawing on clearly sourced data

- **Generate intelligence** to support discussions based on hard facts

- **Facilitate decision-making** by business leaders and policymakers

User associations

Public institutions

Companies

Validation states

Universities

Observatory

EPO member states

OBSERVATORY – DATA DESK / DIGITAL LIBRAY

https://www.epo.org/en/about-us/observatory-patents-and-technology/data-desk

- EPO patent information + data from other actors in the innovation ecosystem => Relevant insights.

- New dashboards, tools and data presentations will be developed. Those currently available from the EPO include:

Deep Tech Finder

Patent Index and the Statistics and trends centre (STC)

Unitary Patent dashboard

Technology platforms (running in Espacenet)

Studies from the EPO Chief Economist

Patent insight reports

Academic Research Programme (ARP) reports

OBSERVATORY – DEEP TECH FINDER

The Deep Tech Finder helps you find

- ■ European universities,

- ■ their spin-outs and

- ■ other investment-ready startups with patent applications at the EPO.

- ■ You can also search for investors with a track record of investing in particular startup profiles.

https://dtf.epo.org/datav/public/dashboard-frontend/host_epoorg.html#/explore?dataSet=1

Deep Tech Finder

> **10 900** entities

Exploring deep technology in Europe
Free digital tool
epo.org/deep-tech-finder

60 tech fields	Localise startups in their **technological fields**
32 indus. sectors	Combine **business** information with **patent** information
Growth stage	Detect startups in their **development stage**
Funding	Identify **investors** in startups
European patents	Access to patent data on **Espacenet**

Recent releases

- Water, space, quantum
- Export list, patent status
- European universities & spinouts
  - ≅ **879**   ≅ **1 733**
- Investors

What's next

New App coming in 2025

TAKE HOME MESSAGES

- Leveraging AI, human-centric approach

- EPO as patent intelligence hub, with constant development of new tools, such as TIP and DTF

- Promoting an integrated innovation landscape, with the PATLIB network as a major player

- Supporting a stronger role for PATLIB in IP valorisation, related professional certification and patent knowledge

NEED MORE INFORMATION?

Visit epo.org

Follow us on

facebook.com/europeanpatentoffice

x.com/epoorg

youtube.com/EPOfilms

linkedin.com/company/european-patent-office

instagram.com/europeanpatentoffice

Thank You!
eluzzatto@epo.org