



Global Developments in the WIPO Program on Technology and Innovation Support Centers (TISCs)

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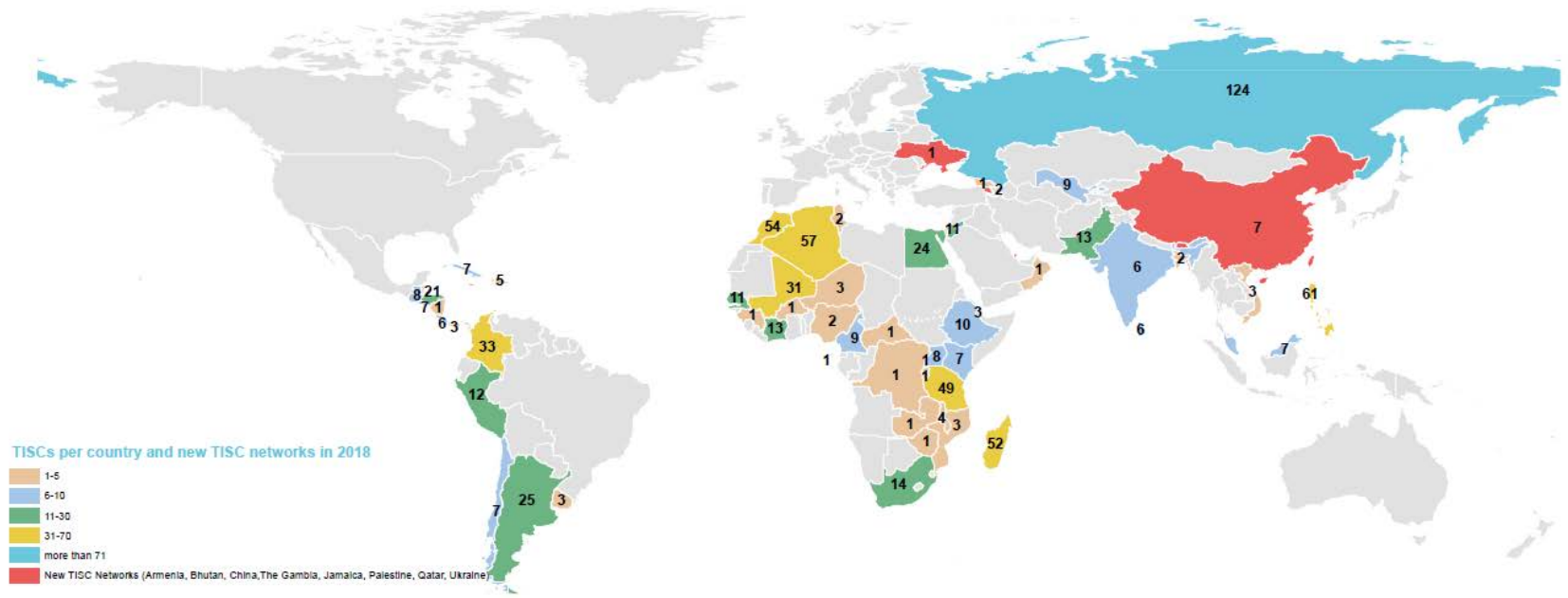
Director, Access to Information and Knowledge Division

Harare
September 19, 2019

Overview

- Results to date
- WIPO Support
 - Capacity Building
 - Networking
 - Resources
- Recent developments in TISC related:
 - Programs
 - Platforms
 - Projects
- Growing TISC Services Portfolio
- Success stories

TISCs Worldwide

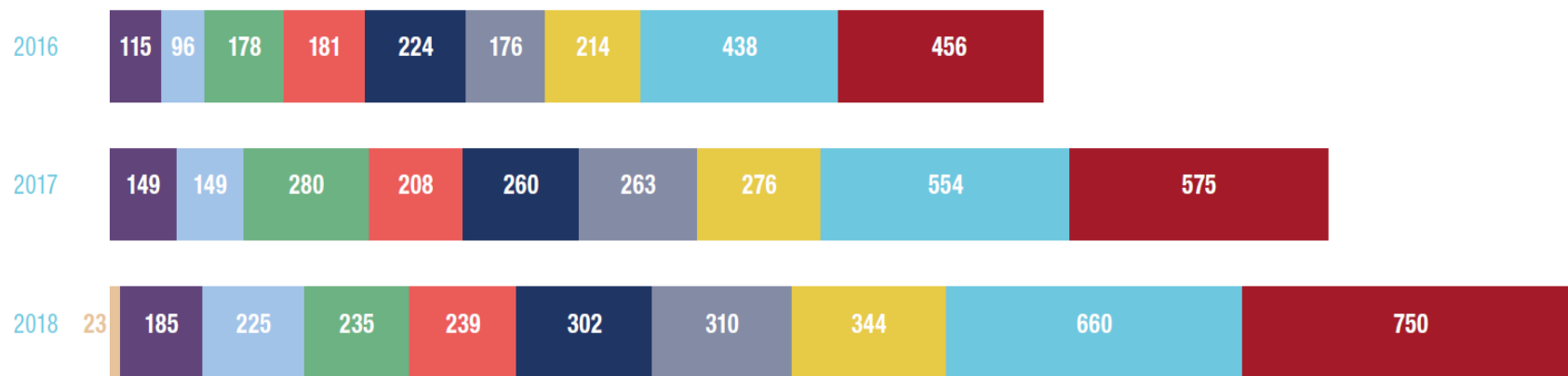


Map Source: TISC Annual Report 2018

80 national projects and **864 TISCs** worldwide (*August 2019*)

> 900'000 inquiries supported annually (*December 2018*)

Different types of services provided



- Analytics – Patent Landscape Reports (PLRs) and related services
- Assistance and advice on IP management – Patent drafting, prosecution
- Assistance and advice on IP management – Commercialization
- Search – Validity
- Search – Freedom to operate, clearance

- Search – Novelty, patentability
- Assistance and advice on IP management – Licensing, technology transfer
- Search – State of the art
- Assistance and advice in using databases
- Access to patent, scientific and technical databases

Source: TISC Report 2018

Sustainability: Maturity Levels

- Maturity Level 1 (Institutionalization): countries that have signed a SLA and institutional agreements, and which provide an annual report on national TISC activities
- Maturity Level 2 (Operationalization): countries that meet maturity level 1 and which provide basic services, e.g. state-of-the-art patent searches
- Maturity Level 3 (Added-value portfolio): countries that meet maturity level 2 standards and which provide value-added IP services, e.g. drafting patent landscape reports

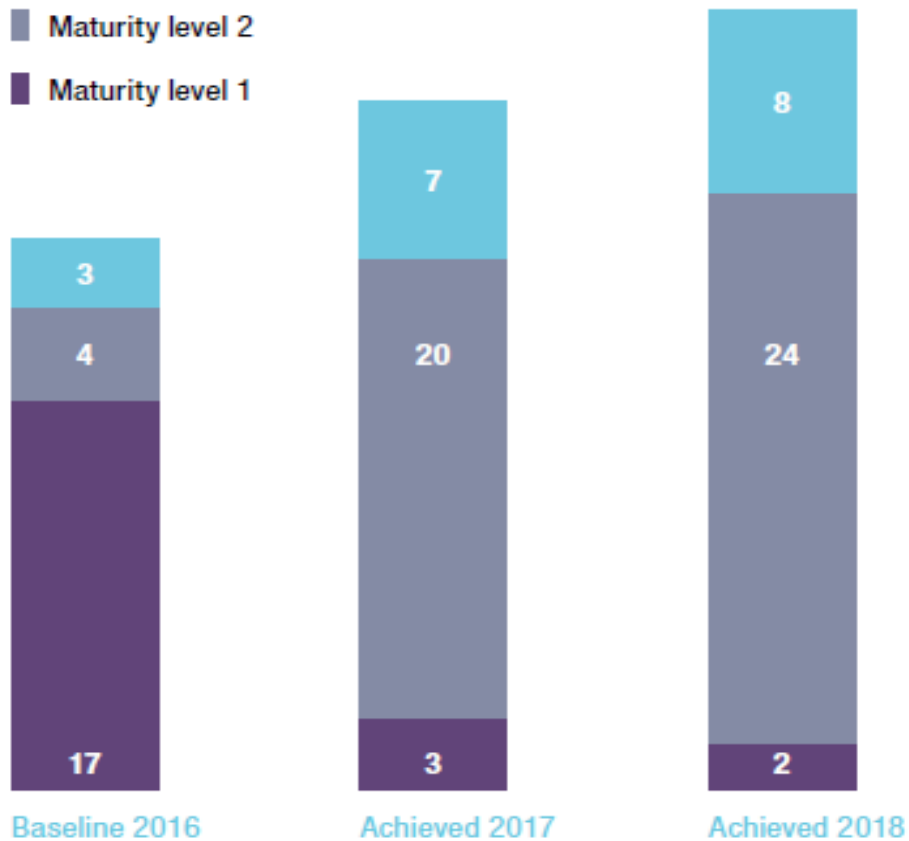
Sustainability: Maturity Level

TISCs by maturity level

■ Maturity level 3

■ Maturity level 2

■ Maturity level 1



WIPO Program & Budget:

→ 34 TISCs considered sustainable at the end of 2018

Source: TISC Report 2018

WIPO Support Activities



- Capacity building

- Networking

- Resources

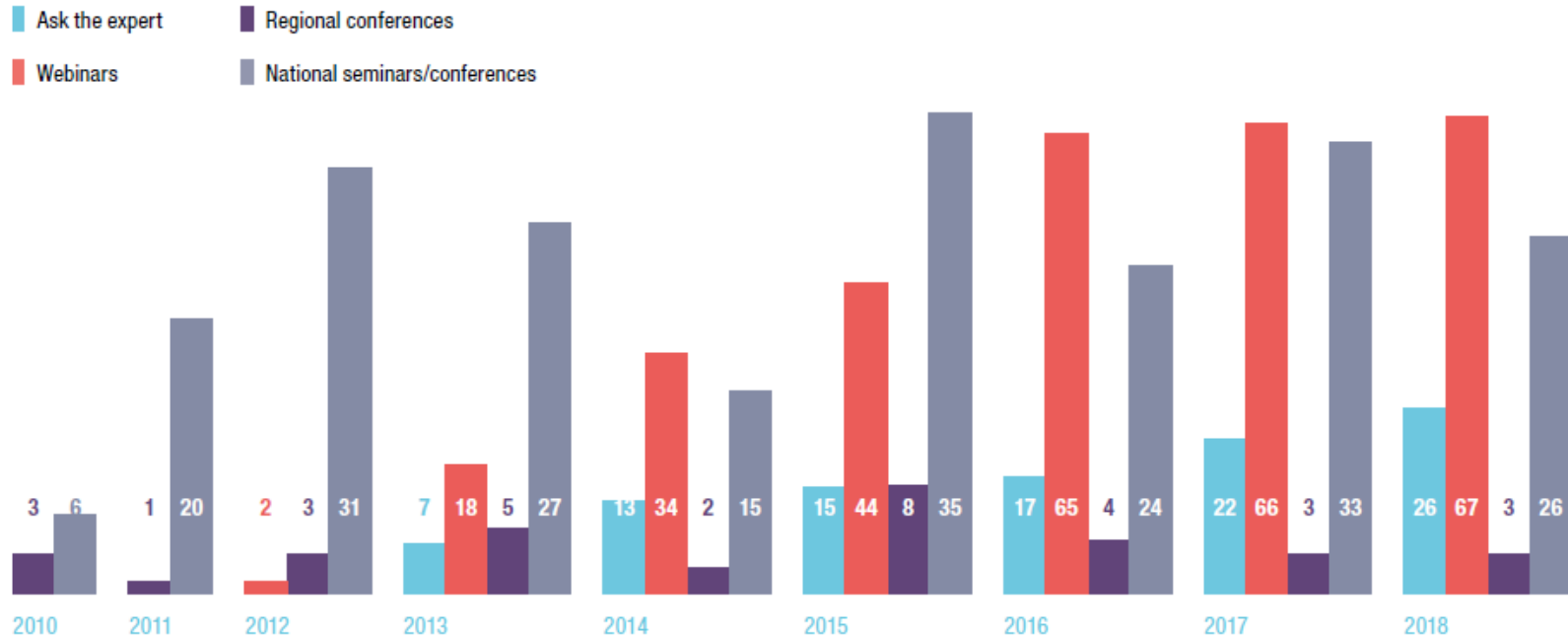


Capacity Building

- Onsite training
 - Search basic concepts and skills
 - Different types of patent search
 - State of the art; patentability; freedom to operate
 - Patent analytics
- WIPO Academy Distance Learning Courses
- Webinars
- Online (videoconference) training

Capacity Building

Number of Ask the Expert, webinar sessions, regional and national conferences organized



11,000+

TISC participants trained by WIPO since 2009

7,000+

distance learning courses followed by TISC participants since 2014

+52%

increase in TISC staff trained by the WIPO Academy since 2017

Source: TISC Report 2018

Networking



- National networks
- Regional cooperation
- eTISC

TISC Directory

TISC Directory: Search Results

Query:

Philippines

61 record(s) found.

Country / Territory	City	TISC Name
Philippines	Aklan	Aklan State University
Philippines	Bacolod	Carlos Hilado Memorial State College
Philippines	Barotac Nuevo	Iloilo State College of Fisheries
Philippines	Baybay (Leyte)	Visayas State University
Philippines	Bohol	Bohol Island State University
Philippines	Borongan	Eastern Samar State University
Philippines	Cagayan de Oro City	Mindanao University of Science and Technology
Philippines	Capiz	Capiz State University
Philippines	Catarman	University of Eastern Philippines
Philippines	Catbalogan City (Samar)	Samar State University
Philippines	Cebu City	Cebu Chamber of Commerce and Industry
Philippines	Cebu City	Cebu Institute of Technology - University (CIT)
Philippines	Cebu City	Cebu Provincial Office - Department of Trade and Industry
Philippines	Cebu City	University of San Carlos
Philippines	Cebu City	University of San Jose-Recoletos
Philippines	Cebu City	University of the Philippines Cebu
Philippines	Cebu City	University of the Visayas

- Contacts
- Services
- Technology specialization
- Languages
- Searchable

Virtual Networking: eTISC Platform



WORLD INTELLECTUAL PROPERTY ORGANIZATION

HOME EVENTS NEWS BLOG WEBINARS & VIDEOS

Welcome to eTISC
Sign Up or Sign In

Events

- Réunion nationale CATI à Madagascar
August 27, 2013 to August 29, 2013 - Antananarivo, Madagascar
1 Comment 2 Likes
- Ask the Expert chat with Natalia Zolotykh
September 2, 2013 to September 13, 2013 - World-wide
0 Comments 1 Like
- ASEAN-WIPO Regional Technology and Innovation Support 'Patent Libraries' Project
September 4, 2013 to September 6, 2013 - Manila, Philippines
0 Comments 4 Likes

+ Add an Event [View All](#)

Links


TISC Resources
eTutorial
WIPO

Welcome to eTISC - The Social Media Tool of the Technology and Innovation Support Centers

"We developed the eTISC to empower you by offering an online collaborative platform that will bring people together and facilitate interactions, feedback and new learning opportunities. The eTISC gives you advanced social media tools to share, inspire and learn."

Yo Takagi, Assistant Director General, Global Infrastructure, November 2012

Find your Local Technology and Innovation Support Center



View [The Global TISC network in a larger map](#)

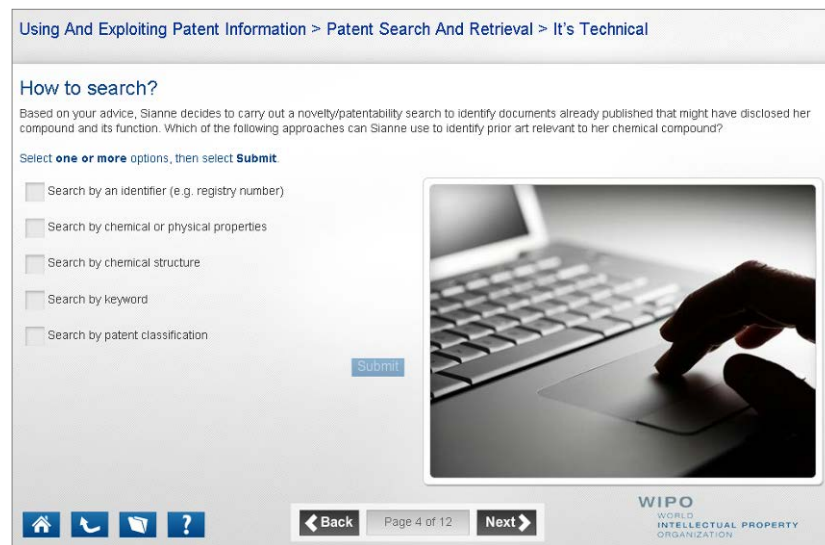
- Discussion Fora (subject-related)
- Groups (regional & interest)
- News Blog
- “Ask the Expert”
- Webinars & Videos
- > 2300 users
- > 100 countries

<http://etisc.wipo.org>

Resources



Print resources



Electronic resources

Access to scientific and technical journals



- Partnership with over 100 major publishers
- Free or low-cost access for over 120 least developed and developing countries to nearly 30,000 books, journals, and reference works in various fields of research including:
 - applied physics
 - engineering
 - chemistry
 - traditional knowledge

www.wipo.int/ardi

ARDI: Research4Life Programs



World Intellectual Property Organization



World Health Organization



Food and Agriculture Organization



United Nations Environment Programme

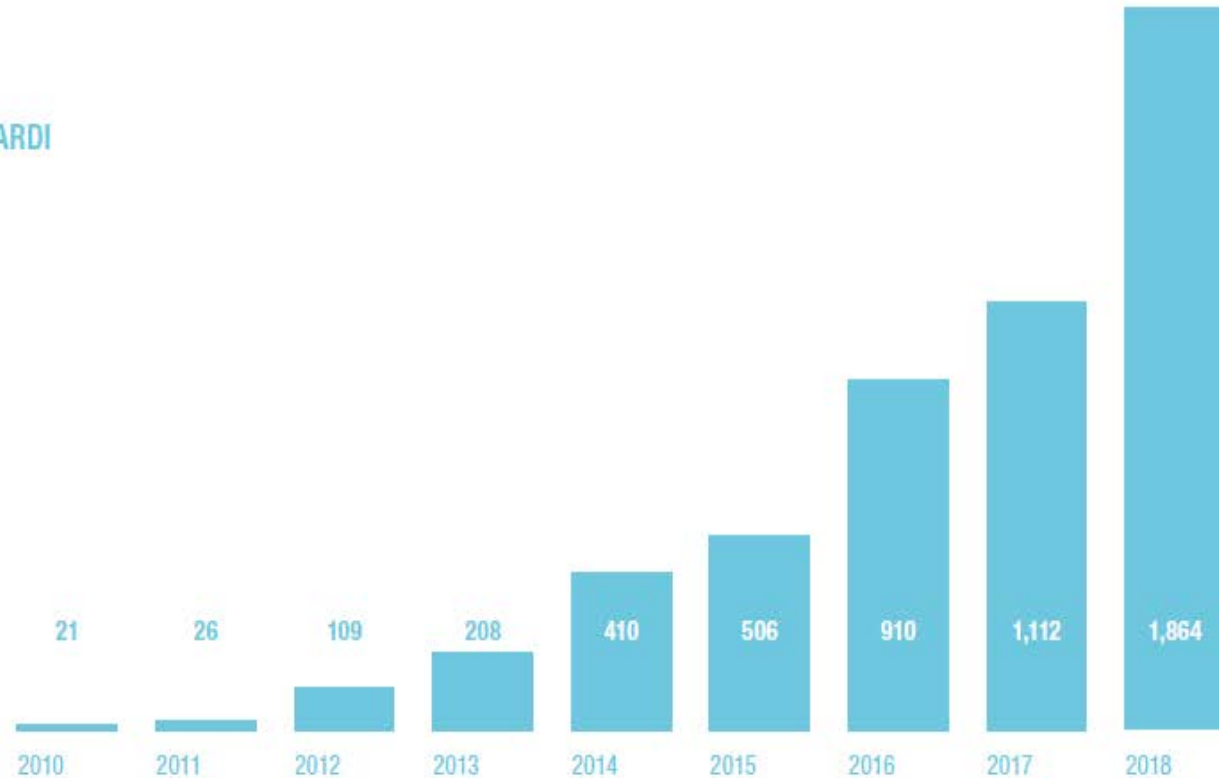


International Labour Organization

www.research4life.org

No. of institutions active in ARDI

Number of institutions active in ARDI



Source: TISC Report 2018

Access to commercial patent databases

ASPI

ACCESS TO SPECIALIZED PATENT INFORMATION

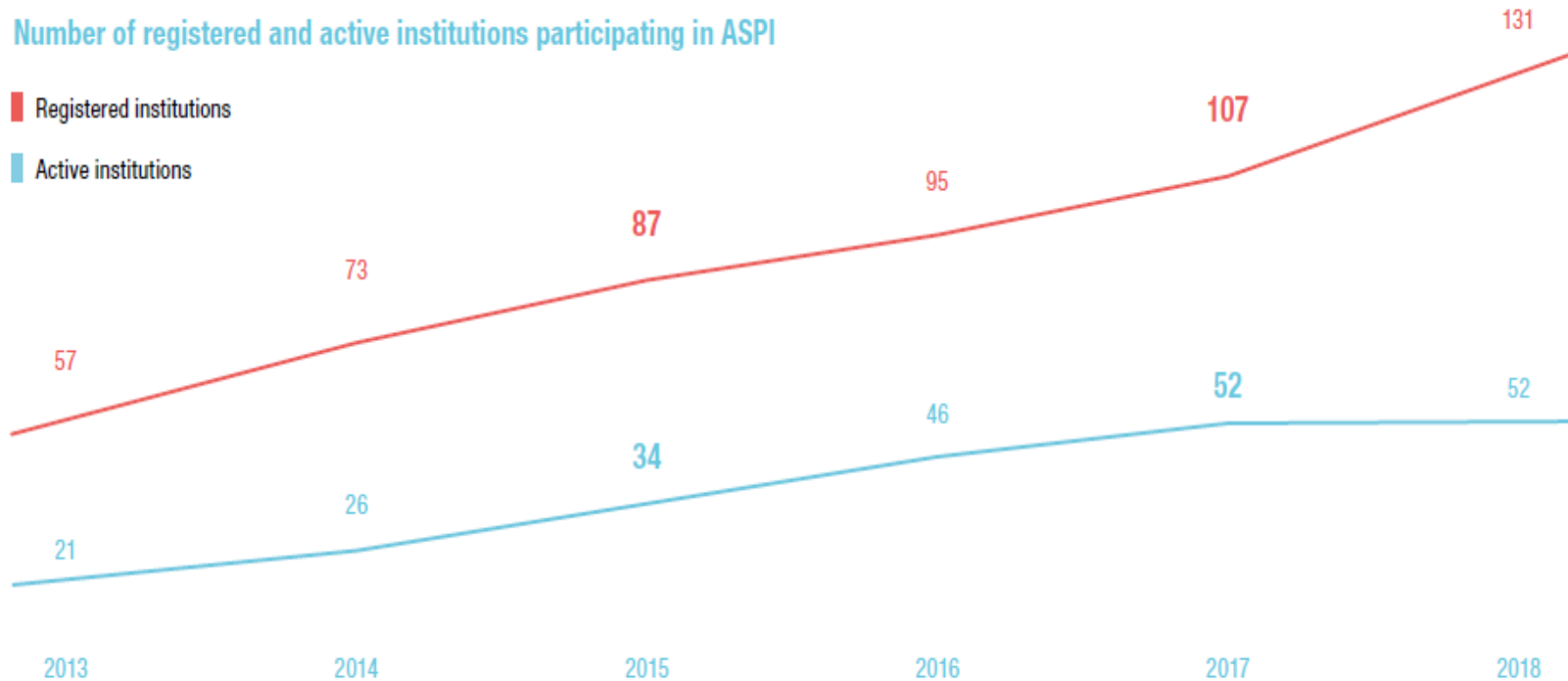
- Partnership with 9 patent database service providers
 - AmberCite → AmberScope
 - East Linden Company → World Traditional Medicine Patent Information Platform
 - Gridlogics → PatSeer
 - LexisNexis → TotalPatent
 - Minesoft → PatBase
 - PatSnap → IP Intelligence
 - Questel → Orbit
 - Thomson Reuters → Thomson Innovation
 - WIPS → WIPS Global

www.wipo.int/aspi

No. registered/active institutions ASPI

Number of registered and active institutions participating in ASPI

Registered institutions
Active institutions



Source: TISC Report 2018

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Patent Landscape Reports

Patent landscape reports (PLRs) provide a snapshot of the patent situation of a specific technology, either within a given country or region, or globally. They can inform policy discussions, strategic research planning or technology transfer. They may also be used to analyze the validity of patents based on data about their legal status.

A PLR begins with a state-of-the-art search for the relevant technology in selected patent databases. The search results are then analyzed to answer specific questions about, for example, patterns of patenting activity or of innovation. The results are presented visually to assist understanding and conclusions or recommendations based on the empirical evidence are provided.



WIPO Technology Trends – Artificial Intelligence

WIPO's "Technology Trends" Study
Probes Artificial Intelligence.

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Publications Assisting in the Preparation of Patent Landscape Reports

- Guidelines for Preparing Patent Landscape Reports
 - Tasks associated with the preparation of PLRs
 - Stages in the preparation of PLRs
- Manual on Open Source Tools
 - Various open source and free tools are available
 - How to obtain data to use for patent analytics
 - How to clean/tidy, analyze, visualize and share data

WIPO Technology Trends

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WIPO Technology Trends – Artificial Intelligence

[Artificial intelligence](#) (AI) is revolutionizing every aspect of life and work. Creating a common understanding of AI based on facts is critical to maximize its benefits.

This first report in our "Technology Trends" series offers evidence-based projections to inform global policymakers on the future of AI. It analyzes data in patent applications and scientific publications to better understand the latest trends in the field.



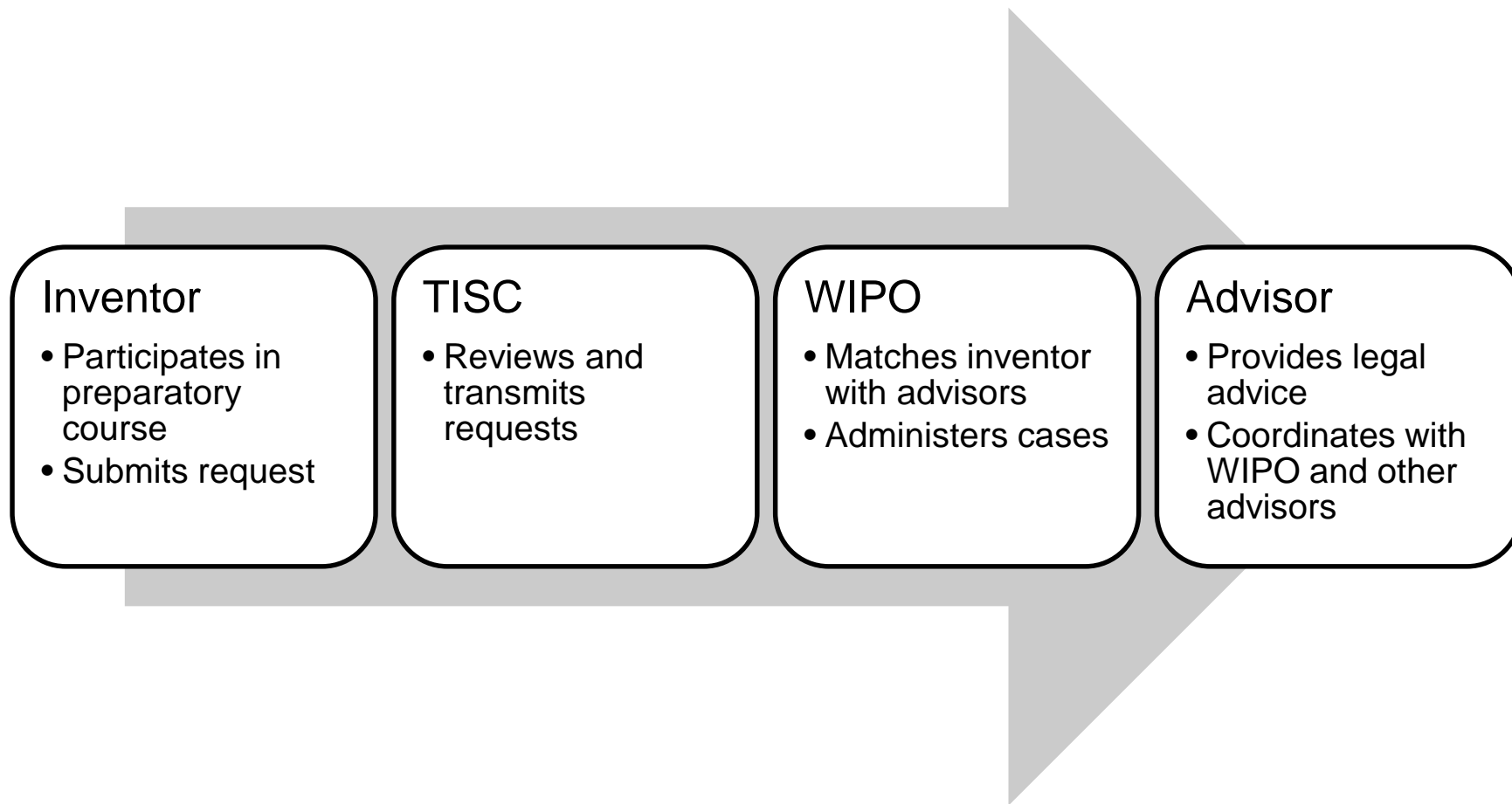
[Technology Trends – Artificial Intelligence](#)

[Download](#)

WIPO-WEF Inventor Assistance Program (IAP)

- Legal assistance in filing and prosecution of patent applications for under-resourced inventors and small enterprises
- Pilot projects in Colombia, Morocco, and Philippines in 2015/16
- Global launch October 17, 2016
- Program launch in Ecuador and South Africa in 2017

IAP: Process



WIPO Arbitration and Mediation Center

- Alternative dispute resolution for IP and technology
 - Mediation
 - Arbitration
 - Expert determination
 - Domain name dispute resolution
- 50% reduction in registration and administration fees for alternative dispute resolution (ADR) services for **TISCs and TISC staff**

Patent Register Portal

- Guide to how and where to find and what patent legal status information exists
 - NOT legal status data itself
- Completely new and improved user interface
 - Separate map and table views
 - Possibility of using filters with map view
- Updated and expanded data for over 200 countries
- Detailed jurisdiction files

Principal Features of WIPO INSPIRE

- Reports: Providing detailed information on patent and non-patent database coverage, features and functionalities (search and analytics) in a structured format
- Coverage map: Allowing visualization of the coverage of different databases
- Resource comparison: Between different patent databases and search systems
- The current platform can be accessed at <https://INSPIRE.wipo.int/>

Reports

- Selecting a specific database or finding one according to predefined criteria

The screenshot displays the 'Reports Platform' interface. At the top, there is a navigation bar with links for 'Home', 'Reports Platform', 'Coverage map', 'Resource comparison', and 'About Us'. Below the navigation bar, a breadcrumb trail shows 'Home / Reports Platform'. The main heading is 'Reports Platform', followed by a descriptive paragraph: 'Reports provide review of patent and non-patent information systems. These reports provide the complete information about each database and search systems. To know how to use the report platform refer to the [full list of FAQs](#).' Below this is a 'Combine fields filter' section, which is highlighted with a yellow box. It contains a text input field with the placeholder 'Enter a patent database name'. Underneath the input field are twelve dropdown menus arranged in a 4x3 grid, each with a downward arrow. The dropdowns are labeled: 'Free/Fee paying', 'General search', 'Biological sequence', 'Chemical structure', 'Classification', 'Value-added data', 'Patent family data', 'Index lists', 'Analysis', 'Alert', 'Collaboration tools', and 'Non-patent data'. Below the dropdowns are two buttons: 'Apply' and 'Reset'. The results section shows '3 Results' and an 'Export' button. Under the heading 'Reports', there is a list of three items: 'Patbase', 'PATENTSCOPE', and 'WIPS'.

Home / Reports Platform

Reports Platform

Reports provide review of patent and non-patent information systems. These reports provide the complete information about each database and search systems.
To know how to use the report platform refer to the [full list of FAQs](#).

Combine fields filter

Enter a patent database name

Free/Fee paying General search Biological sequence

Chemical structure Classification Value-added data

Patent family data Index lists Analysis

Alert Collaboration tools Non-patent data

Apply Reset

3 Results Export

Reports

- Patbase
- PATENTSCOPE
- WIPS

Coverage map


- Search databases for regional/international system or in country

Home / Coverage map

Coverage map

- Regional/international system - Country

- Regional/international system -
ARIPO
EAPO
EPO
GCC



6 Results

+

-

Export PO

The image shows a web interface for a 'Coverage map'. At the top, there is a breadcrumb trail 'Home / Coverage map'. Below this, the title 'Coverage map' is displayed. There are two dropdown menus: the first is labeled '- Regional/international system -' and is currently open, showing a list of options: 'ARIPO', 'EAPO', 'EPO', and 'GCC'. The second dropdown menu is labeled 'Country'. Below the dropdowns is a world map showing the geographical distribution of these systems. In the bottom left corner, it says '6 Results'. In the bottom center, there is a globe icon. In the bottom right corner, there are zoom controls (plus and minus signs) and a button labeled 'Export PO'.

Resource comparison

- Allows comparison of two (up to four) databases/search systems simultaneously

Home | Reports Platform | Coverage map | Resource comparison | About Us

Home / Resource comparison

Resource comparison

This resource lets you compare two different patent databases or patent search systems.

WIPS PATENTSCOPE

Compare Reset

Export

	PATENTSCOPE	WIPS
Legal status	x	x
Search results	x	x
Graphical	x	x
Statistical	x	x
Applicant and/or inventor	x	x
Citation	x	x
Classification	x	x
Dates	x	x
Invention text	x	x
BLAST	x	✓
FASTA	x	✓
Draw structures	x	x
Identity search	x	x
Import structures	x	x
Markush structure search	x	x

WIPO INSPIRE Development

- Development phase to design user experience and data structure for platform
- Simultaneous content creation with patent information user groups
- Integration of eTISC: Allow users to login and join or start discussions on topics related to various databases
- Integration of Patent Register Portal: Easily accessible additional resource

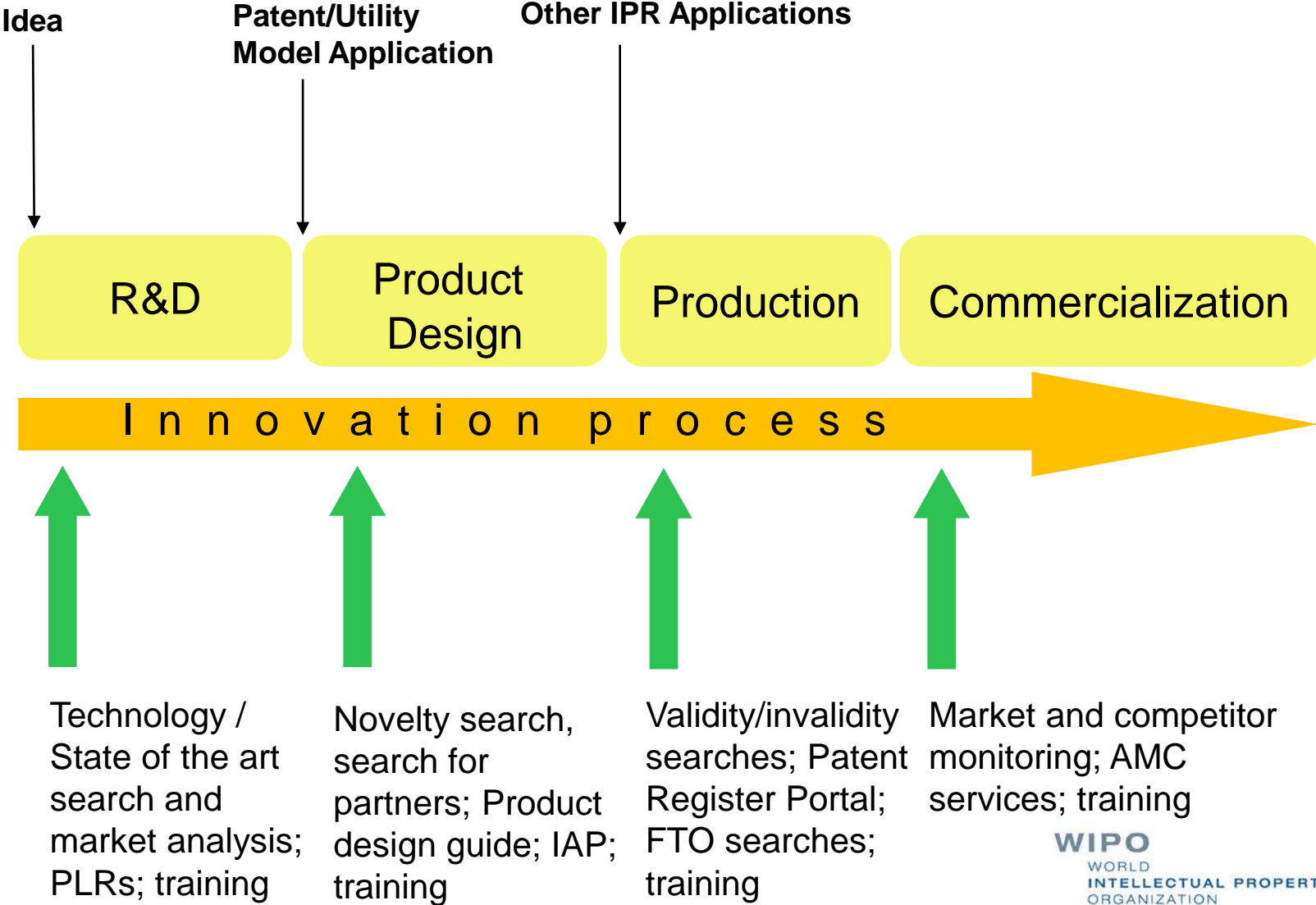
Project on Patents and the Public Domain

- Guide on Identifying Inventions in the Public Domain
 - Teach how to use the process of freedom to operate (FTO) determination to search and analyze patent documents
- Guide on Using Inventions in the Public Domain
 - Tools and approaches for developing ideas and product concepts into product design and development

Project on Technology Transfer Training

- Provide appropriate training for specific key role players in innovation value chain
 - Funders, developers, managers, users
- Methodology and Toolkit for training needs assessment in area of tech transfer/commercialization
- Mapping innovation value chain particularly role of key players in specific pilot countries
- Assessing training needs for the key role players using the methodology and toolkit
- Establishing training plans in pilot countries followed by general roll-out

TISC Services Portfolio



Publication: Stories of Innovation



- Success stories from:
- Colombia
- Uganda
- Dominican Republic
- Morocco
- Philippines

Source: Natalia Rodriguez

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