



The role of TISCs as Catalysts for Technology Transfer: Opportunities and Challenges

IP for Innovators Department
IP & Innovation Ecosystems Sector

CDIP/27
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2021

TISCs – What services do they provide?



- Core services
 - Access to patent and non-patent databases
 - Assistance in using databases
- Additional services (based on user need and office capacity)
 - Technology search services
 - Patent analytical services
 - IPR management and technology transfer services

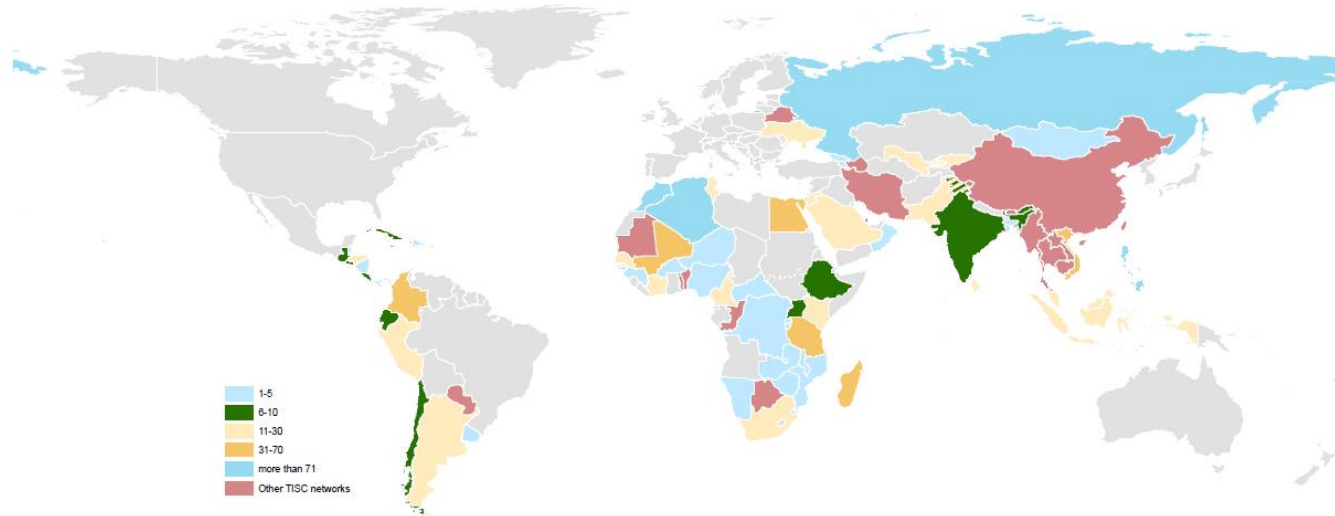
TISCs and TTOs – How do they act as a catalyst?

- TISCs help connect local innovators and entrepreneurs with technologies from across the world by:
 - helping identify inventions, local and from around the world, that could be applied to addressing local technology needs
 - providing advice on how these inventions can be successfully applied to new products and services
 - helping to bring local innovations to the global marketplace
 - providing advice and support in patent filing, management, and licensing

TISCs – What do they do?

Access to patent and scientific and technical databases	● 456	● 575	● 750	● 896	● 1136
Assistance and advice in using databases	● 438	● 554	● 660	● 896	● 1136
Search - State of the art	● 214	● 276	● 344	● 424	● 553
Assistance and advice on IP management – Licensing, technology transfer	● 176	● 263	● 310	● 376	● 532
Search - Novelty, patentability	● 224	● 260	● 302	● 370	● 533
Search - Freedom to operate, clearance	● 181	● 208	● 239	● 300	● 392
Search - Validity	● 178	● 280	● 235	● 291	● 373
Assistance and advice on IP management – Commercialization	● 96	● 149	● 225	● 306	● 474
Assistance and advice on IP management – Patent drafting, prosecution	● 115	● 149	● 185	● 240	● 395
Analytics – Patent Landscape Reports (PLRs) or related services			● 23	● 48	● 121
	2016	2017	2018	2019	2020

TISCs – Where are they?



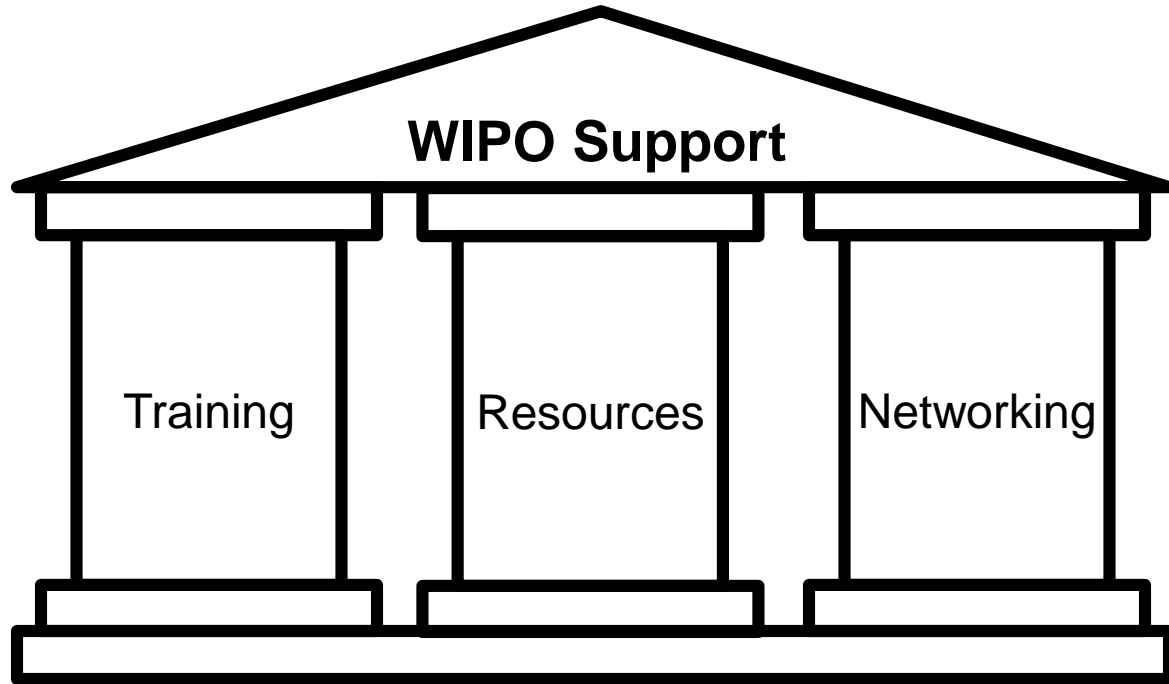
85 national projects and **1,279 TISCs** worldwide (*November 2021*)

> 1.4 million inquiries supported annually (*January 2021*)

Sustainability – Maturity Levels

- Maturity Level 1 – *Institutionalization*: countries that have signed a SLA and institutional agreements and provide an annual report on national TISC activities
- Maturity Level 2 – *Operationalization*: countries that meet maturity level 1 and 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 provide value-added IP services, e.g. drafting patent landscape reports

TISCs – How does WIPO help?



Training



Knowledge and skills



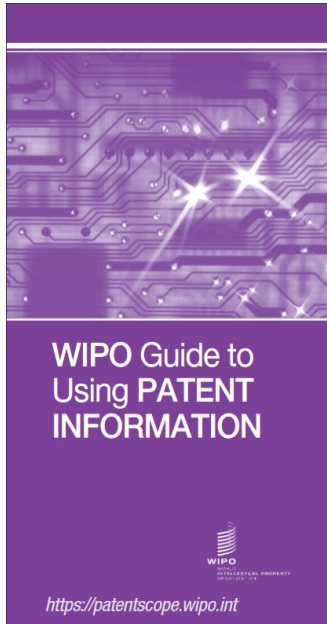
TISC services

Training

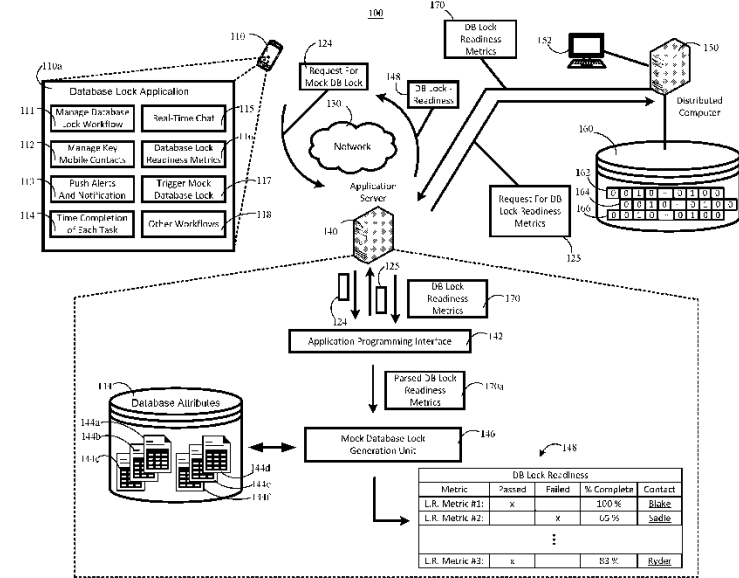
- Patent documentation
 - Basic concepts and skills / databases
- Patent search
 - State of the art / Novelty / Freedom to operate
- Patent analysis
- Technology Transfer and IPR Management
- IP Institutional Policies
- IP Marketing – bringing inventions from lab to market
- IP Valuation
- Negotiation Skills - Successful Technology Licensing (STL)
- Case Study Based Coaching Programs

Resources

Reinforcing training



Contributing to operations



Guides

- Finding Technology Using Patents
- Guide to Patent Information
- Guidelines on Preparing Patent Landscape Reports
- Manual on Free and Open Source Tools for Patent Analysis
- Guides to Identifying & Using Inventions in the Public Domain
- *New Successful Technology Licensing Guide*
- IP Valuation Guide
- Technology Transfer Primer in Biotechnology Sector
- Incentives for Researchers



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eTISC

Patent Register Portal

Search by database name or provider



Filter by features

Clear

Showing 6 of 6 entries

Alerts ▲

Legal status

Search results

General search tools ▲

Database title	Provider	Pricing	Actions
<input type="checkbox"/> Demo Patentscope	WIPO	Free	
<input type="checkbox"/> Derwent Innovation	Clarivate Analytics	Fee paying	

<https://inspire.wipo.int>

Networking: eTISC

The screenshot shows the top section of the WIPO eTISC website. At the top, a dark blue header contains the 'WIPO' logo on the left and a 'Contact Us' link on the right. Below the header, the main content area is divided into two columns. The left column features the heading 'WIPO eTISC' followed by a paragraph: 'It is a community platform which provides a space for the TISC community to interact and discuss topics to help them with their work, meet, exchange views, and build partnerships.' The right column has a heading 'Collaborate with eTISC community' and a paragraph: 'You can access the eTISC platform by login in using your WIPO account. If you do not have a WIPO account, create one using the link below.' Below this text are two dark blue buttons: 'Log in' and 'Create account'. At the bottom of the main content area, there is a navigation bar with 'Home' and 'About' links. Below the navigation bar is a 'News' section with a 'View All' button. Two news items are listed: 'CAAIPO Appoints Kenya Country Representative' dated 2019-12-04, and 'Patent Information News 2/2019 is now on line' dated 2019-12-04.

WIPO [Contact Us](#)

WIPO eTISC

It is a community platform which provides a space for the TISC community to interact and discuss topics to help them with their work, meet, exchange views, and build partnerships.

Collaborate with eTISC community

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News [View All](#)

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<https://etisc.wipo.int/>

Access to Specialized Patent Information (ASPI) / Access to Research for Development and Innovation (ARDI)

- Free or low-cost access
 - Patent databases
 - Scientific and technical content
- Patent offices
- Academic institutions
- Research institutions



<https://www.wipo.int/aspi>
<https://www.wipo.int/ardi>

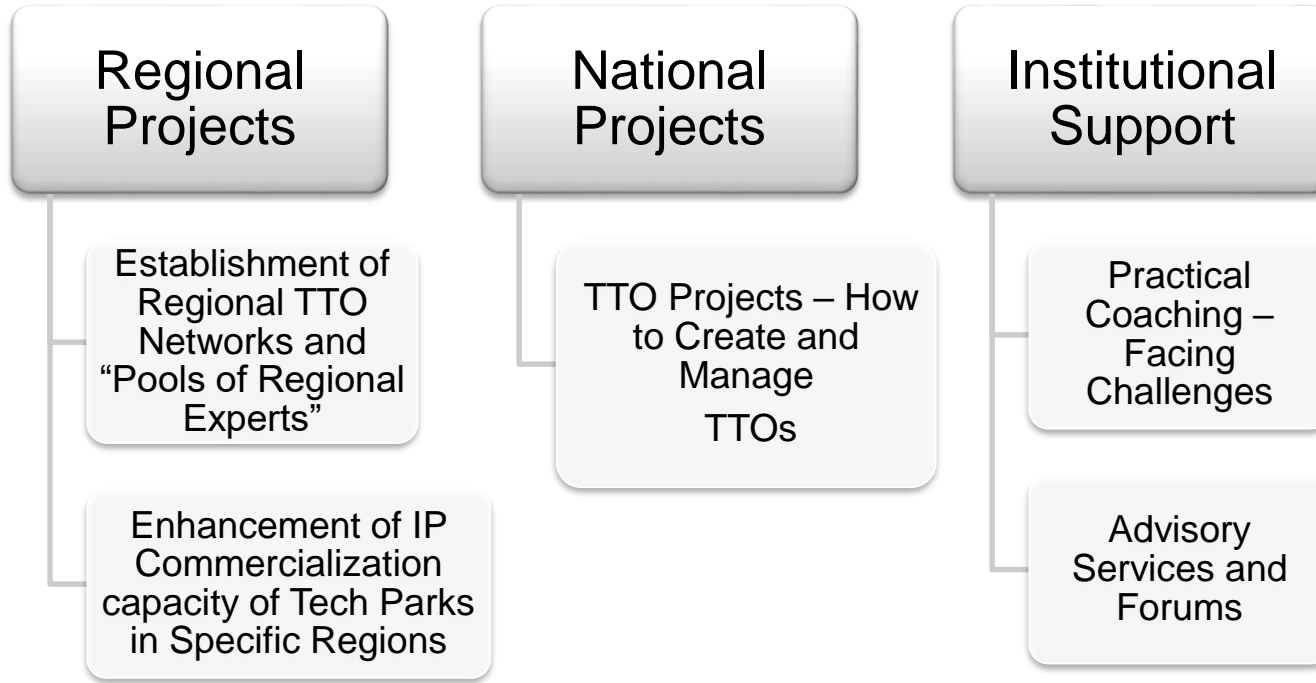
Future: Strengthening engagement

- Reinforced outreach to national partners
 - Closer relationship with TISC national focal points
 - Encouraging ownership of local projects and activities
- Platform integration (WIPO INSPIRE, Patent Register Portal, eTISC, Technology Transfer, IP Policy Database) – digital one-stop-shop
- Balanced digital and onsite engagement

Future: Strengthening projects

- Enhanced project management support
- Reinforced horizontal exchange (focal points, TISC staff)
- TISC Project and Performance Management Platform

Establishment and Enhancement of Technology Transfer Structures & TISCs



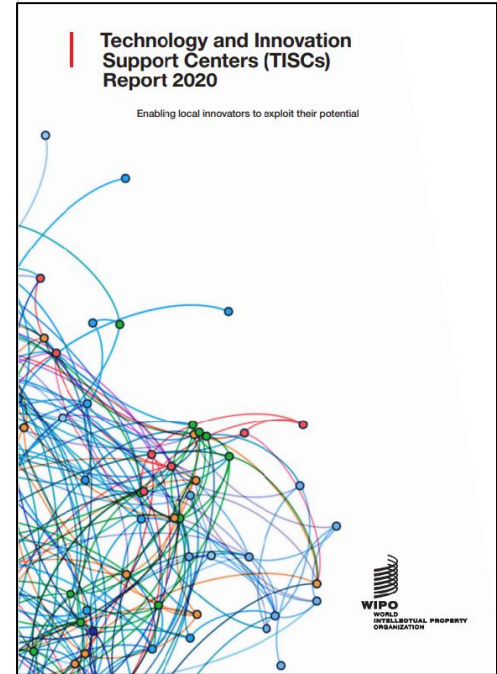
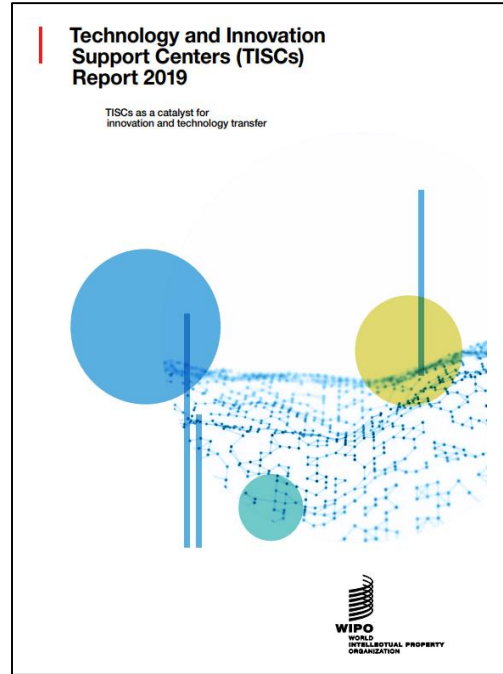
TISCs and TTOs

- TTO facilitate IPR management in academic institutions through:
 - Management of IP from disclosure to commercialization – evaluation, IP protection, marketing, TT contract negotiation – collaboration, licensing, material transfer agreement
 - Maintenance of IP
 - Enforcement of IP
 - Manage return on investment and benefit sharing
 - Creation of spin-offs

Future: Strengthening knowledge and capabilities

- Expanded training and learning materials, including modular blended-learning courses for digital delivery
 - New Product Development
 - Technology transfer & commercialization
- TISC staff curriculum-based certification

TISC Annual Reports



tisc@wipo.int