



Workshop on Access to Scientific & Technical Information for Technological Capacity Building and Product Branding for Goods of Export Interest for English Speaking LDCs

Facilitating Access to Scientific and Technological Information : Establishing Technology Innovation Support Centers (TISC) for LDCs

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CONTENTS

- **WIPOs DA**
- **The knowledge gap**
- **TISC Project**
- **Other features**
- **What TISC means for LDCs**



WIPO Development Agenda

■ Recommendation 8:

“...facilitating the national offices of developing countries, especially LDCs, as well as their regional and sub-regional intellectual property organizations to access specialized databases...”

Objectives

- Reinforce the capacity of developing countries and LDCs to participate in the global knowledge economy
- Support researchers of developing countries and LDCs in creating and developing new solutions to technical challenges faced on a local and global level

By increasing the level of technical and scientific knowledge in DC and LDCs – this leads to reducing the *existing gaps in the fields* between them and *industrialized* countries

Gaps in Technical Knowledge

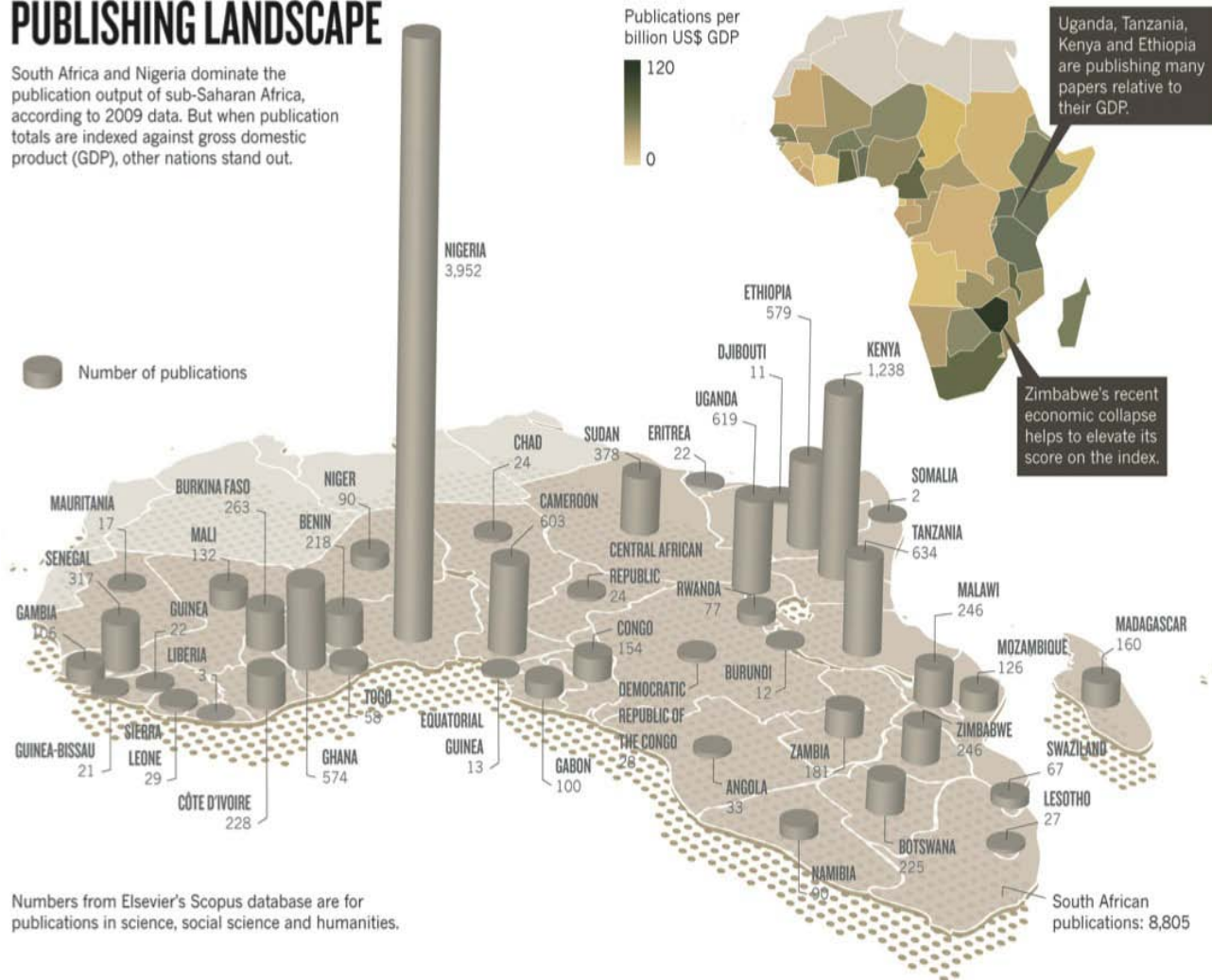
Patent Data submitted to WIPO (2012)

- United States of America: 10,197,545 records
- Japan: 7,584,538 records
- European Patent Office: 2,608,154 records
- Brazil: 532,672 records
- South Africa: 129,037 records
- Morocco: 13,630 records
- Cuba: 2,797 records
- Panama: 2,312 records
- ARIPO: 1,868 records
- Kenya: 373 records

Gaps in Scientific Publications in Africa (2009): 1,8% of global publications (India = 2,4%, South America = 1,8%)

PUBLISHING LANDSCAPE

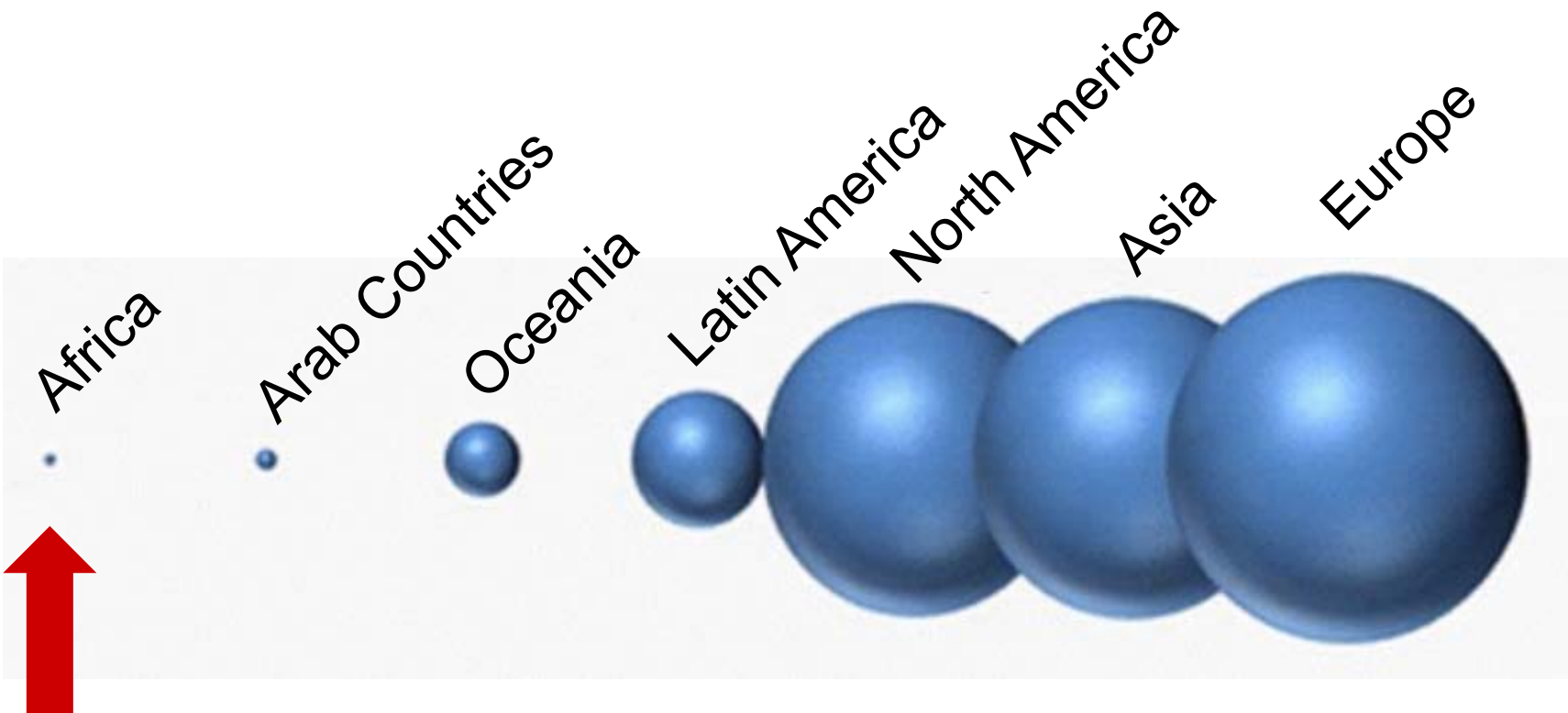
South Africa and Nigeria dominate the publication output of sub-Saharan Africa, according to 2009 data. But when publication totals are indexed against gross domestic product (GDP), other nations stand out.



Numbers from Elsevier's Scopus database are for publications in science, social science and humanities.

SOURCES: WWW.SCIMAGO.IR.COM; SCOPUS; J. ADAMS ET AL. GLOBAL RESEARCH REPORT — AFRICA (THOMSON REUTERS, 2010)

Gaps in Academic Publications available on Google (2011)



II. TISC Resources: 1. Technologies stocked in Free Databases)

WIPO **PATENTSCOPE**

Search International and National Patent Collections

WORLD INTELLECTUAL PROPERTY ORGANIZATION

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Simple Search

Using PATENTSCOPE you can search 18,685,630 patent documents including 2,187,960 published international patent applications (PCT). Detailed coverage information can be found here (->)

Front Page | Any Field | Full Text | ID/Number | Int. Classification(IPC) | Names | Dates

Int. Classification(IPC): A61P 33/06

Office:

<input type="checkbox"/> PCT	<input type="checkbox"/> Honduras	<input type="checkbox"/> Russian Federation
<input type="checkbox"/> Argentina	<input type="checkbox"/> Israel	<input type="checkbox"/> Russian Federation (USSR data)
<input type="checkbox"/> Brazil	<input type="checkbox"/> Japan	<input type="checkbox"/> Singapore
<input type="checkbox"/> Chile	<input type="checkbox"/> Jordan	<input type="checkbox"/> South Africa
<input type="checkbox"/> Colombia	<input type="checkbox"/> Kenya	<input type="checkbox"/> Spain
<input type="checkbox"/> Costa Rica	<input type="checkbox"/> Mexico	<input type="checkbox"/> Uruguay
<input type="checkbox"/> Cuba	<input type="checkbox"/> Morocco	<input type="checkbox"/> Viet Nam
<input type="checkbox"/> Dominican Rep.	<input type="checkbox"/> Nicaragua	<input type="checkbox"/> ARIPO
<input type="checkbox"/> Ecuador	<input type="checkbox"/> Panama	<input type="checkbox"/> EPO
<input type="checkbox"/> El Salvador	<input type="checkbox"/> Peru	<input type="checkbox"/> LATIPAT
<input type="checkbox"/> Guatemala	<input type="checkbox"/> Republic of Korea	<input checked="" type="checkbox"/> All

Examples:
A or C07 or "G01N 33" or "G06K 21/00"

Search IPC | Reset

Technologies stocked in commercial databases (cost *per day/8hrs* and *per database*: about 2,400 U\$; Free access for LDCs)



Español

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ASPI

ACCESS TO SPECIALIZED PATENT INFORMATION

Through the Access to Specialized Patent Information (ASPI) program, patent offices and academic and research institutions in developing countries can receive free or low-cost access to sophisticated tools and services for retrieving and analyzing patent data. The ASPI program is made possible by a public-private partnership between the World Intellectual Property Organization and leading patent information providers.

RELATED LINKS

PATENTS

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2. Scientific Publications of the Research4life Programs

■ HINARI (WHO)



■ AGORA (FAO)



■ OARE (UNEP)



■ ARDI (WIPO)



WIPO ARDI Program: Portal



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ARDI

Research for Innovation

The Access to Research for Development and Innovation (ARDI) program is coordinated by the World Intellectual Property Organization together with its partners in the publishing industry with the aim to increase the availability of scientific and technical information in developing countries. By improving access to scholarly literature from diverse fields of science and technology, ARDI seeks to:

- reinforce the capacity of developing countries to participate in the global knowledge economy; and
- support researchers in developing countries in creating and developing new solutions to technical challenges faced on a local and global level.

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SISTER PROGRAMS



Research for Life



ARDI: Journal list (20 000 publications: cost about 500 000 U\$ per year; free access for many African DCs and all LDCs)



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Journals

List of Journals from A to Z

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[[Books](#) | [Reference works](#)]

A

- [AASRI Procedia](#) (Elsevier) 2012 - Present
- [Academic Pediatrics](#) (Elsevier) January/February 2009 - Present
- [Academic Radiology](#) (Elsevier) January 1995 - Present
- [ACC Current Journal Review](#) (Elsevier) January/February 1995 - December 2005

FEEDBACK

- ▶ [Request support](#)

3. Social Forum: powered by WIPO

- Communication tool to facilitate exchange between TISCs and participants
- Launched in November 2012 (currently more than 1000 participants from more than 80 countries)

- Main features:
 - ▶ discussion forums
 - ▶ e-groups
 - ▶ webinars
 - ▶ e-tutorial
 - ▶ helpdesk and more

4. e-Tutorial - Frontpage



The image shows the frontpage of a WIPO e-tutorial. It features the WIPO logo (a blue spiral) and the text "WIPO WORLD INTELLECTUAL PROPERTY ORGANIZATION". Below the logo, there is a welcome message: "Welcome to this e-tutorial on using and exploiting patent information. This e-tutorial will introduce you to key concepts in patent information and to effective strategies and approaches for retrieving and analyzing this information. Select one of the topics below." Three blue 3D-style buttons are arranged horizontally, each with a clock icon and the text "Not Started" below it. The buttons are labeled "Patent Basics", "Patent Search And Retrieval", and "Patent Analysis". At the bottom left, there are two small icons: a folder and a question mark.

WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

Welcome to this e-tutorial on using and exploiting patent information. This e-tutorial will introduce you to key concepts in patent information and to effective strategies and approaches for retrieving and analyzing this information.
Select one of the topics below.

Patent Basics ⌚
Not Started

Patent Search And Retrieval ⌚
Not Started

Patent Analysis ⌚
Not Started

📁 ?

5. Distance Learning Courses

■ General Courses

- DL-001 Introduction on Intellectual Property
- DL-101 General Course on Intellectual Property
- PCT Distance Learning Course: Introduction to the Patent Cooperation Treaty

■ Advanced Courses

- DL-202 Electronic Commerce and Intellectual Property
- DL-204 Biotechnology and Intellectual Property
- DL-301 Patents
- DL-302 Trademarks, Industrial Designs and Geographical Indications
- DL-318 Patent Information Search
- DL-320 Basics of Patent Drafting
- DL-401 Managing Intellectual Property in the Book Publishing Industry
- DL-450 Intellectual Property Management

6. WIPO Publications

- Upon request, a TISC network can receive free-of-charge any WIPO publication

Role of TISC

- *A Digital Library:* providing a platform of on-line collection of over 80 million technologies and 40 000 scientific publications (more than 15 000 papers and 22 000 books), for use by the IP users (SMEs, inventors, universities, research centers, etc.)
- *A Technical and Scientific Support to the IP stakeholders*
- *A Training Center:* The local TISC will provide training to individuals and groups *on searching technical and scientific information*

TISC as a Digital Library

Physical Library



Digital Library



Technical solutions - patent data bases

(TISC to identify existing technologies for transfer, adaptation and use locally)

Rope braiding



Textile spinning



TISC as a Training Center



Joint engagement

- Local ownership
 - Staff
 - Facilities
- WIPO support
 - Facilitating access to databases
 - Training of TISC staff
 - WIPO Academy Distance Learning Courses
 - Provision of information & training materials
 - Support awareness-raising activities

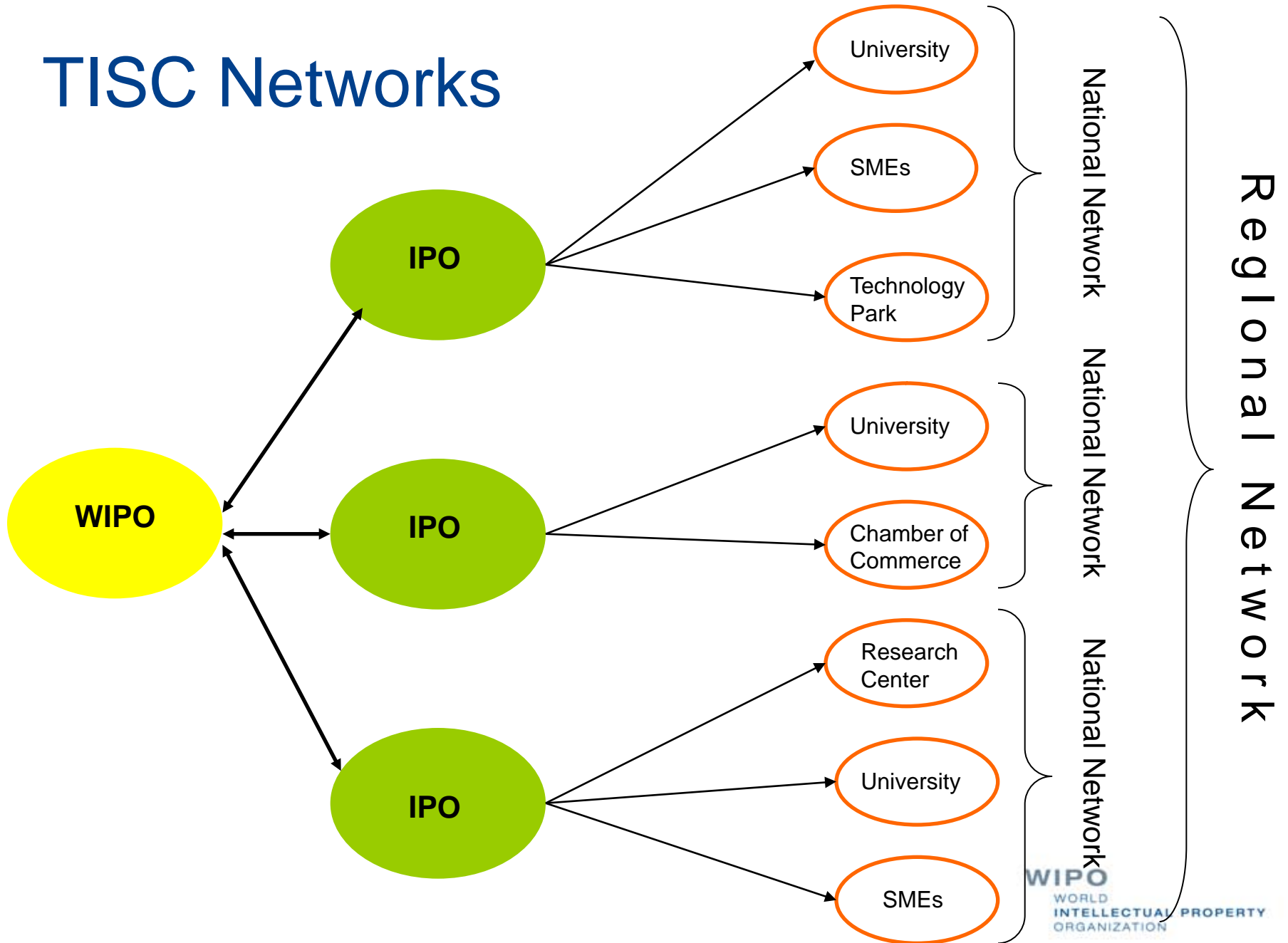
TISC Possible Locations

- Ministries (appropriate)
- Industrial/Intellectual Property Offices
- Scientific Information Centers
- Libraries
- Research Centers
- Science and Technology Parks
- Chambers of commerce
- Universities/Institutions of Higher Education
- Specialized Training Schools or Colleges
- Technology, Innovation and/or Business Incubators
- Inventors' associations, etc.

TISC Users

- Individual inventors
- Small and medium enterprises
- Industry
- Researchers in technology centers and universities
- Academia (ranging from schools to universities), etc.

TISC Networks



V. WIPO Support

- Member state is requested to provide *staff office facilities etc*
- WIPO support includes:
 - Facilitating access to databases
 - Providing training of trainers and of local users
 - Supporting awareness-raising activities
 - Organizing sub-regional and regional conferences as experience-sharing platforms
 - Providing Distance Learning Courses (WIPO Academy)
 - Providing WIPO IP Publications

TISCs in LDCs

■ Mozambique (2011)

■ Ethiopia, Madagascar, Togo,
Niger ,(2012)

■ Rwanda, Uganda, Sao Tomé ,
Tanzania, Zambia (2013)

Conclusion



You can take a horse to the water
but you cannot force it to drink...
Old English Proverb

Thank you for your
kind attention!

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