



Effective Use of Resources of the WIPO Project on the Establishment of Technology and Innovation Support Centers (TISCs): A Key to a Further Technical, Scientific and Economic Development

Elangi Botoy Ituku

WIPO Access to Information and Knowledge Division

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The TISC Project

WIPO Development Agenda adopted in September 2007, please see Recommendation 8, the basis of the TISC Project

The objective is to *reduce the technical and scientific gap between Developing Countries and Least-Developed Countries and industrialized countries in WIPO*

Therefore, WIPO establishes TISCs in its member states in order to reach the above-mentioned goal

TISC Resources: A. 90 Million Technologies

- *Described in patent documents and generally classified as follows :*
 - **SECTION A — HUMAN NECESSITIES** (agriculture, foodstuffs, pharmaceuticals, cosmetics, tobacco, etc.)
 - **SECTION B — PERFORMING OPERATIONS; TRANSPORTING** (vehicles, boats, airplanes, roads, houses, machine tools, grinding, polishing, hand tools, hand cutting tools, etc.)
 - **SECTION C — CHEMISTRY; METALLURGY** (treatment of water, waste water, glass, mineral or slag wool, cements, concrete, artificial stone, ceramics, refractories, fertilizers, petroleum, gas, sugar industries, etc.)
 - **SECTION D — TEXTILES; PAPER** (natural or artificial threads, spinning, weaving, ropes, paper-making, treatment of textile, lace-making, knitting, sewing, etc.)
 - **SECTION E — FIXED CONSTRUCTIONS** (building, construction of roads, railways or bridges, hydraulic engineering, foundations, soil-shifting, water supply, locks, keys, window or door, etc.)
 - **SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING**
 - **SECTION G — PHYSICS**
 - **SECTION H — ELECTRICITY**

B. 40 000 Scientific Publications

■ HINARI (WHO)



■ AGORA (FAO)



■ OARE (UNEP)



■ ARDI (WIPO)



Effective Use

- Exploitation that has *achieved the desired goal*
- *Being «effective» means completing activities so that planned goals are attained*
- *Effectiveness is concerned with the ends (outcome) or attainment of goals (it is different from efficiency which instead is concerned with the means (output) of getting things done e.g. equipment, money, personnel, institutions put in place);*
- *Effectiveness means that through various work initiatives, PLANNED goals have been pursued and achieved (in the case of the TISC Project, the knowledge gap between LDCs and DCs and industrialized countries has been reduced)*

Role of the TISC

- *A Digital Library.* The local TISC will manage an on-line collection of over 90 million technologies and 40 000 scientific publications (more than 15 000 papers and 22 000 e-books)
- *A Technical and Scientific Support Provider.* The local TISC will provide the above-mentioned resources to all local users (Universities, Engineering Schools, Technical Schools, inventors, Research Centers, SMEs, etc.) for building a sound and viable technological base from which all fields of science could be effectively “mastered” (primarily those mentioned in the national development objectives)
- *A Training Center.* The local TISC will provide training on searching patent information (technologies) and scientific publications to individuals and groups

-TISC as a Digital Library

Physical Library



Digital Library



-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 Networks

■ *National Network*

- Central Focal Point: Example > Ministry of Trade and Industry (should nominate a responsible for the country and be ready to implement the TISC Project Planning)

- Peripheral Focal Points: Institutions coordinated by the Ministry (will have to sign an institutional agreement with the focal point)

■ *Regional Network*

- Designated National Institutions of the region coordinated by WIPO

■ *WIPO Network*

- WIPO and other organizations in the world

WIPO Support

- While a member state is requested to **ONLY** provide *staff and facilities*, WIPO's support will be the following:
 - 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 IP materials
 - Providing other resources (will be mentioned in a later presentation)

Conclusion

- Through the TISC Project, technical and scientific gaps between industrialized countries and DCs as well as LDCs *have already been considerably reduced in theory since the latter countries, in particular Nigeria, have gained free access to 90 million technologies in all fields, and to more than 40 000 scientific publications*
- In this regard, TISC places DCs and LDCs, particularly Nigeria, on more equal footing (at least as regards access to technical and scientific information) with industrialized and emerging countries
- Through the TISC Project, DCs and LDCs, in particular Nigeria, *will not need to reinvent the wheel* in that they will **ONLY** use and adapt existing technical solutions **to solve local problems**; this will enable them, little by little, to concretely reduce gaps between them and industrialized countries and **INNOVATE** to ensure **their effective takeoff in all fields** (technical, scientific, economic, social, etc.)

...their effective takeoff...



...and their landing on their national objective regardless of turbulence zones crossed



Thank you for your attention!

Ituku.elangibotoy@wipo.int