

An Enabling Intellectual Property Environment



An Enabling IP Environment

**to increase the capacity of
countries for technology
development, management and
commercialization**

A project to coordinate the various
inputs of the different WIPO
Programs to support **TISC**, **WIPO
GREEN** and **WIPO Re:Search**

WIPO is the global forum for intellectual property services, policy, information and cooperation.



**Innovation
Networks offer
unseen
possibilities for
catch-up**



**Innovation
increasingly seen
as critical driver of
economic growth
and well-being**

AREAS FOR DEVELOPMENT:

- **level of science and technology output**
- **local innovation ecosystem** (science-education-industry linkages; empowering individuals for technology transfer in firms and universities)
- **IP generation** (currently dominated by foreign filings; only in public institutions; & no significant design or branding strategies)

Year	GII Rank	Input	Output	Efficiency
2016	59	79	42	11
2015	52	78	39	9
2014	71	100	47	5
2013	76	89	54	17

Ability of domestic firms, research institutions and laboratories to learn and adapt technology is critical.

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FOCUS: Technology Development, Management and Commercialization

- An enabling IP environment means having the right conditions, structures and people to facilitate the process of knowledge creation, transfer and transformation into technologies in products and services made available to society.

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METHODOLOGY: More efficient strategies to manage talents, skills and knowledge for sustainability of results

EDUCATE: Effective institutional capacity-building and changes

EMPOWER: Organizing in-country stakeholders and WIPO's various programs to "Work as One"

ENABLE: Making coherent the various elements and inputs to achieve a cumulative impact

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AREAS OF INTERVENTION: IP-based technology transfer capacity of institutions

1. IP management strategies, methods and tools;
2. Knowledge and competencies of selected individuals and institutions in technology management;
3. Accessibility to information sources; and
4. Linkages, communication and facilitation of transactions among actors in the technology innovation system.

COMPETENCIES TO BE ENHANCED...

- national innovation policy, structure and infrastructure
- implementation and administration of institutional IP policies
- patent information and landscaping skills
- patent drafting and prosecution capacity
- business-focused knowledge on IP (particularly patents)
- practical strategies to leverage patents and other related IP
- IP management skills (at each stage of the innovation value chain)
- technology transfer office structure, functions and business model
- mechanisms for technology scouting, absorption and adaptation
- funding mechanism for university-based R&D and innovation
- platforms for university-industry- government linkages
- public-private partnerships (PPP) in technology-business collaborations
- networking tools, platforms and mechanisms facilitating communication and information dissemination and knowledge-building

Expected Results of the Project:

- Selected universities and research institutions in the beneficiary countries will have **applied** IP-based technology development, management and commercialization in specific technologies;
- Linkages and collaboration **platforms** between industry and the academe, as well as the government and other actors in the innovation ecosystem, are strengthened.
- An **interconnected community** is organized comprising of technology managers and related professionals with the necessary skills and knowledge to develop, manage and commercialize technologies;

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Objectives: (“expected results” stated differently)

- Supporting universities and research institutions by strengthening their IP and other related competencies in the area of technology development, management and commercialization **using appropriate tools, skills, knowledge;**
- Strengthening **university-industry collaboration** through linkages, partnerships, collaboration, interactions and transactions for technology commercialization;
- Establish a **networked community** of technology professionals with the IP and other related skills and knowledge.

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WIPO: Relevant Programs working as one

- **ASPAC Bureau (Program 9)**
- **Access to Information and Knowledge Division - TISC (Program 14)**
- **Patent Law Division (Program 1)**
- **SMEs and Entrepreneurship Support Division (Program 30)**
- **Global Challenges Division (Program 18)**
- **WIPO Academy (Program 11)**

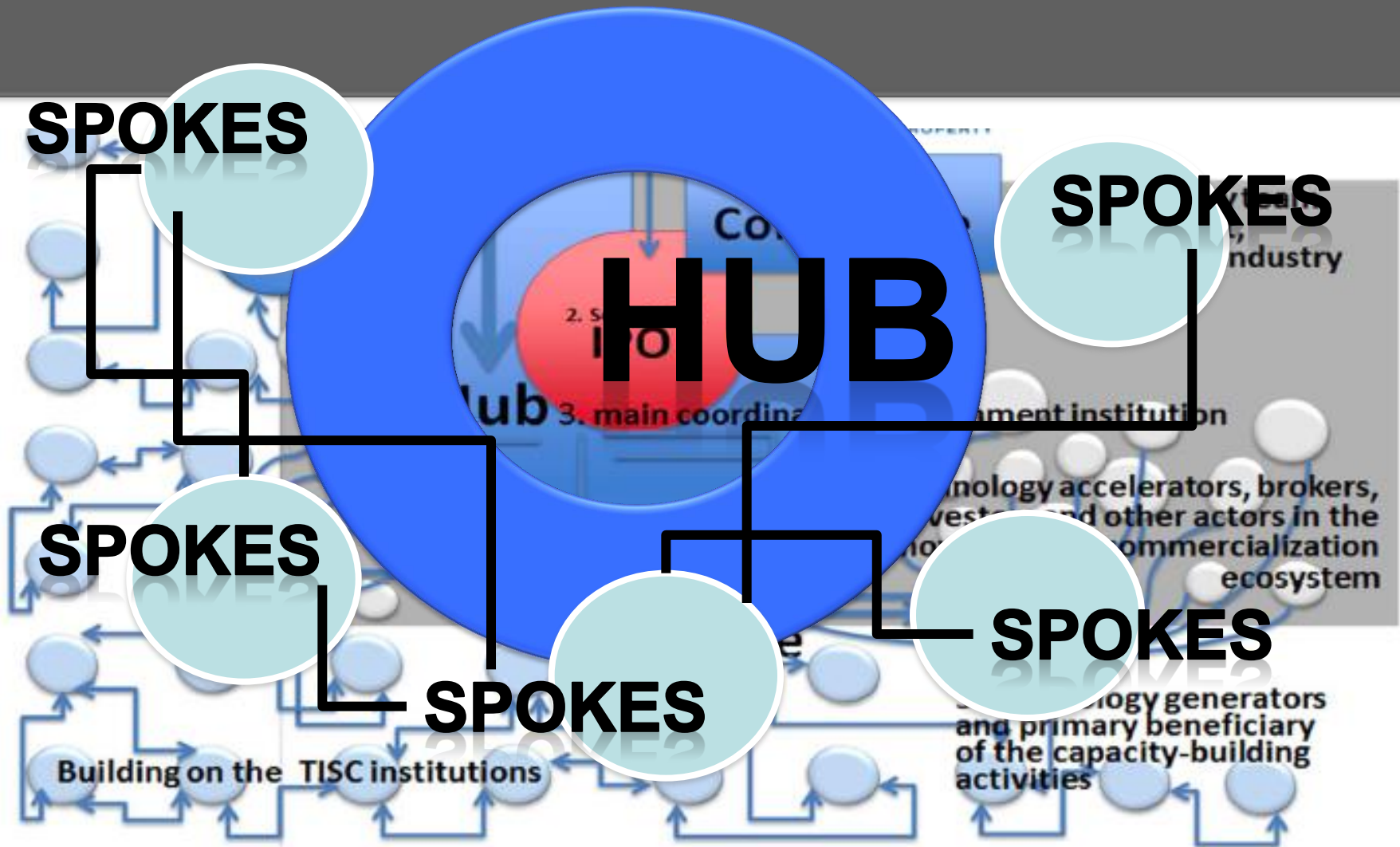
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Country: Project Structure

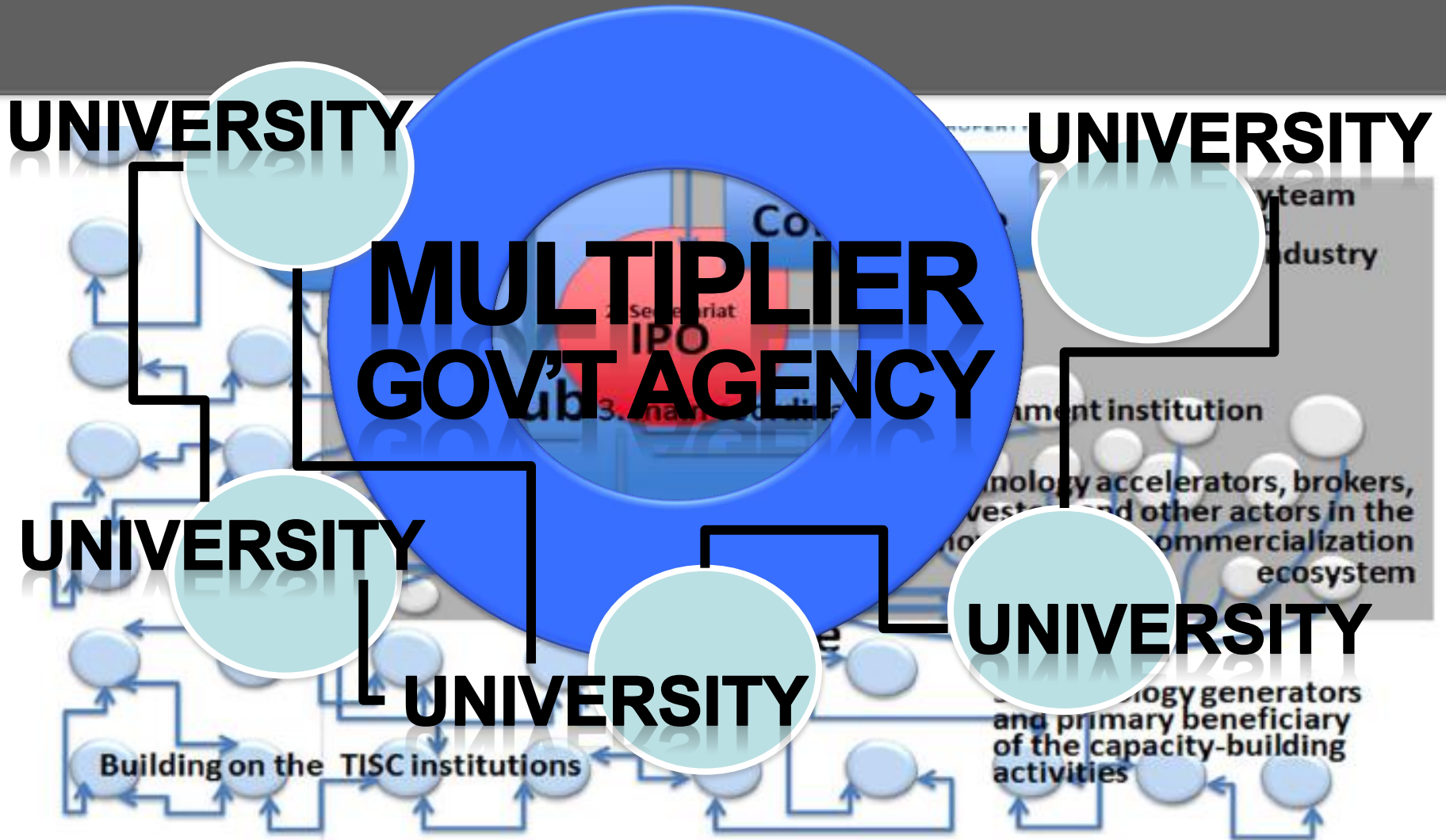
- **Spokes** – primary technology generators and beneficiary of capacity-building activities with selected technologies being further developed through the project
- **Hub** – primary coordinating role and management responsibility to ensure effective project knowledge transfer and application in the spokes (working through a project coordinator)

“... not a hierarchical structure but an “organism-like” network”

Country: Project Structure



Country: Project Structure



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Country: Project Structure

- **Steering Committee**– inter-agency public-private (government, academe, industry) high level governing body overseeing the project
- **Project Secretariat** – [National IP Office] providing linking between the governance and operational levels, the country and WIPO, the project and other IP development partners or initiatives.

Steering Committee



UNIVERSITY

UNIVERSITY

Project Secretariat
National IP Office

UNIVERSITY

UNIVERSITY

UNIVERSITY

Building on the TISC institutions

technology generators and primary beneficiary of the capacity-building activities

4. technology accelerators, brokers, investors and other actors in the innovation commercialization ecosystem

government institution

Industry

team

Steering Committee

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ION

Inter-Agency & Public-Private



UNIVERSITY

UNIVERSITY

Project Secretariat +

HUB

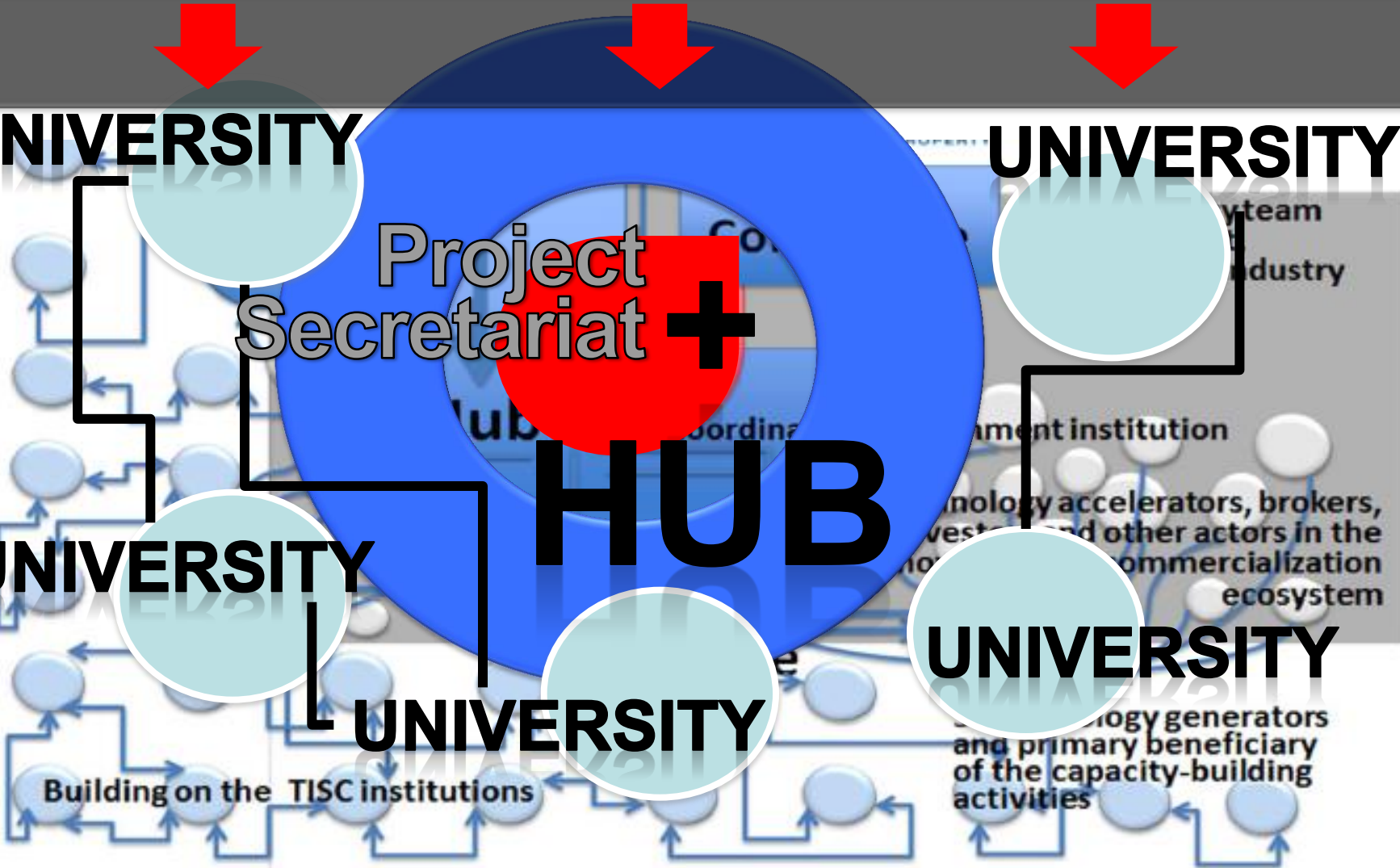
UNIVERSITY

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Building on the TISC institutions

technology generators and primary beneficiary of the capacity-building activities



Hub & Spoke approach

I. Networked Community
of professionals with IP and
technology commercialization
skills

**II. Coordinated Technical
Assistance** from all Sectors and
Divisions to achieve a cumulative
impact in the country



**Steering
Committee**

1. inter-agency team
of government,
academe and industry

2. Secretariat
IPO

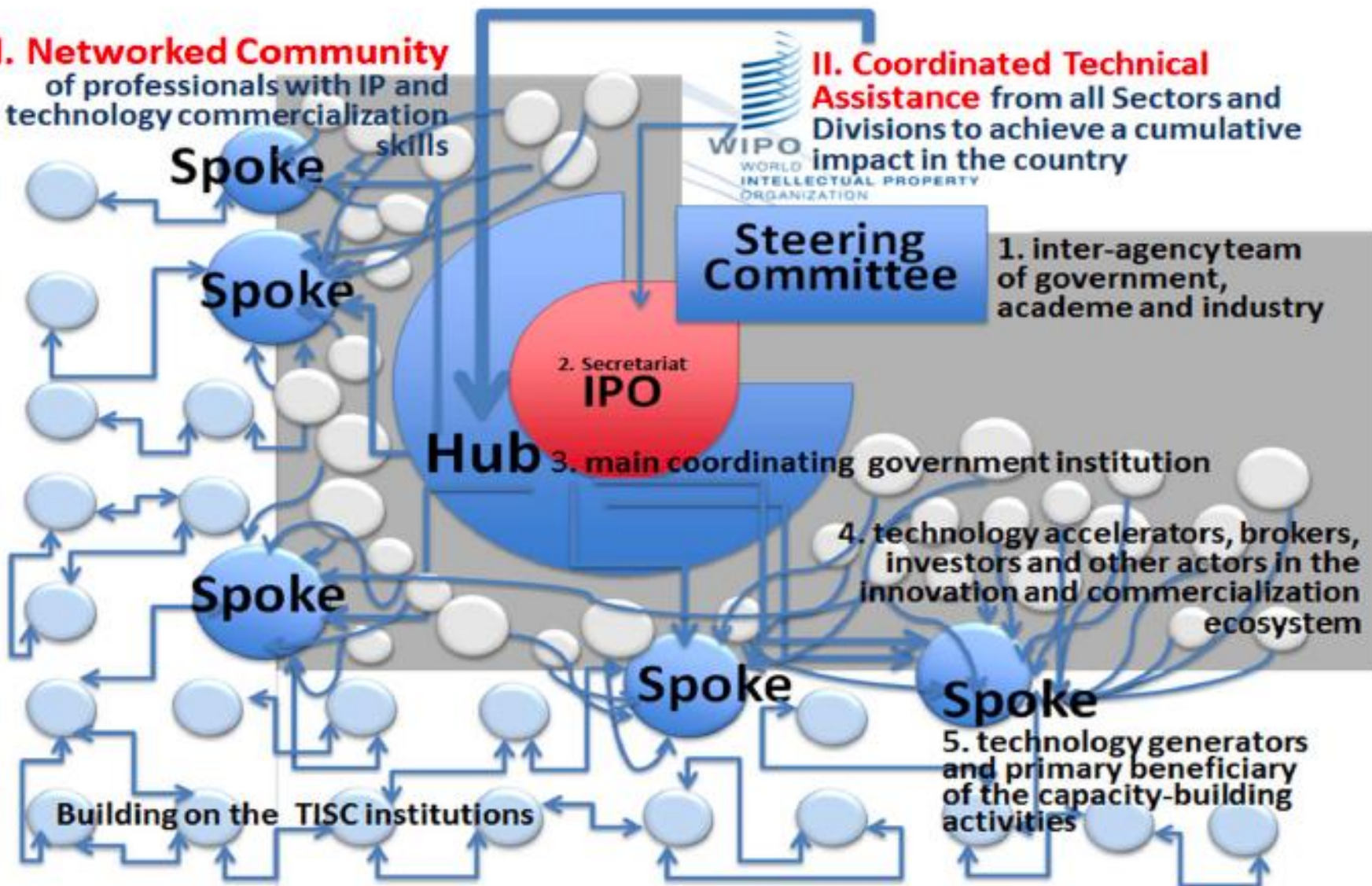
Hub 3. main coordinating government institution

4. technology accelerators, brokers,
investors and other actors in the
innovation and commercialization
ecosystem

Spoke

5. technology generators
and primary beneficiary
of the capacity-building
activities

Building on the TISC institutions



Project Structure

I. Networked Community

of professionals with IP and technology commercialization skills

Spoke

Spoke

Spoke

Spoke

Spoke



II. Coordinated Technical Assistance

from all Sectors and Divisions to achieve a cumulative impact in the country

Steering Committee

1. inter-agency team of government, academe and industry

2. Secretariat IPO

Hub 3. main coordinating government institution

4. technology accelerators, brokers, investors and other actors in the innovation and commercialization ecosystem

5. technology generators and primary beneficiary of the capacity-building activities

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Country: Project Structure

- **Other entities**— technology accelerators, brokers, investors, service-providers, other actors and businesses in the innovation value chain.

International Linkages:

- **“Hub” countries** (Malaysia, Philippines, Thailand, Sri Lanka & Viet Nam) (Iran and Mongolia)



- **INCEPTION PHASE (2017)**

- **ORGANIZATIONAL PHASE (2018)**

- **IMPLEMENTATION PHASE (2019-2021)**

- **INSTITUTIONAL PHASE (2022)**

- ❑ Country assessments
- ❑ Recruitment of Institutions
- ❑ In-reach/retreat within WIPO
- ❑ Solidifying project parameters
- ❑ Terms of Reference finalization
- ❑ Roster of Trainees
- ❑ Project charter / MoU
- ❑ Presidents' forum
- ❑ Immersion in Spokes
- ❑ Capacity-building

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CAPACITY-BUILDING targets 2018-2022

- **PATENT DRAFTING**
 - Careful selection of trainees per institution
- **PATENT SEARCHING**
 - Multi-year competency-based skills training
- **TECHNOLOGY MANAGEMENT**
 - Job-related practice and application of IP skills required
- **IP POLICIES (institutional level)**
 - Periodic quality monitor and skills evaluation
- Technology identification, invention disclosure mechanisms
- Technology triage skills, marketing platforms
- IP audit and policy assessments

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CAPACITY-BUILDING Opportunities 2018-2022

- Master of Laws (LLM) Degrees
- National Workshops
- Institutional Workshops
- Fellowships in Japan, US
- Participation in regional workshops
- DL courses and other offerings of the WIPO Academy

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COMMUNICATION Channel -

- **Periodic video conferences** (with WIPO & experts)
Monthly/Bi-monthly for updates and pre/post-activity feedback
Continuing discussions of issues, challenges and action points
- **Web portal** (interactive, crowd-sourcing)
 - ◆ Public presence of the project
 - ◆ Information on project activities, documents and schedules
 - ◆ Linkage between and among individuals in the hub's, spoke's and others
 - ◆ Directory of relevant resources, stakeholders and participants,
 - ◆ knowledge management and transfer across institutions
- **Convergence of local institutional activities/events with that of the project**

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Minimum Budget/Expense of Hubs and Spokes

- **5-person Staff time** for training and skills practice (in-country and abroad)
- **Management time** for meetings and gatherings
- **Local travel cost and “DSA”** for training and activities (up to 8-10 onsite events per year); WIPO takes care of the cost going abroad
- **Hosting** of training, activities and experts visits in the campus/office
- Cost relating to commercialization of technology chosen

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LONG TERM GOAL : IMPACT STATEMENT

An organized interconnected community of well-trained professionals contributes to their institutions' capacity for technology development, management and commercialization

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By end of 2017 : Inception Phase

Knowing the Viet Nam technology commercialization landscape (laws, policy and experience) and getting to know the people and institutions involved in technology research and application.

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By end of 2018 : OUTCOME 1

The project governance and operating structure comprising of a hub, spokes, a steering committee and project secretariat, is in place to ensure mutual accountability of parties involved and sustain the results beyond the project timeframe

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2019 – 2022 : OUTCOME 2

The Hub and Spoke institutions have established and/or strengthened their IP-related structures, system and services for technology, development, management and commercialization

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By 2022 : OUTCOME 3

Staff members of Hub and Spoke institutions (in charge of technology and knowledge transfer or entrepreneurship) have the required skills to effectively manage and commercialize technologies

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2018-20212: **OUTCOME 4**

A community of technology professionals is organized with strong linkages, networks and collaborations with other stakeholders and actors in the innovation ecosystem

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2018 - 2022 : OUTCOME 5

The project has enhanced equity and in particular gender equality through consistent promotion for all interested parties, regardless of gender, social status, health condition and any other discriminating factor, to access project activities and IP services of beneficiary institutions.

**Thank you for your
kind attention.**

