



Topic 5: WIPO GREEN and WIPO Re:Search

27 August 2014
Singapore

Peter Willimott, WIPO Office in Singapore

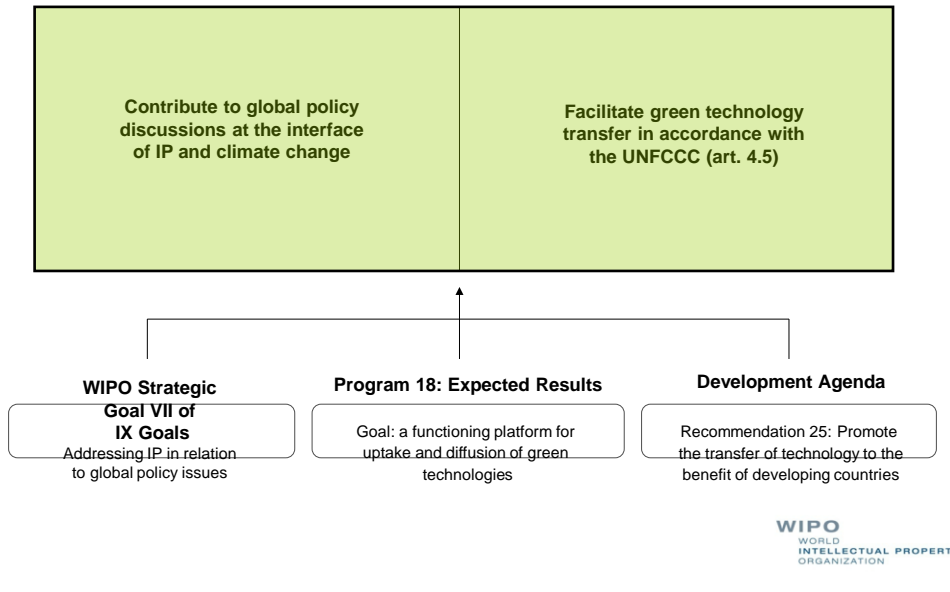
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Background

- United Nations Framework Convention on Climate Change
 - Many countries are vulnerable to the negative effects of climate change
 - There is a lack of domestic resources to support projects and innovations that would, for example, help stave off agricultural disasters or ease the transition to a clean energy economy.
 - The magnitude of need requires close cooperation between developing and developed countries

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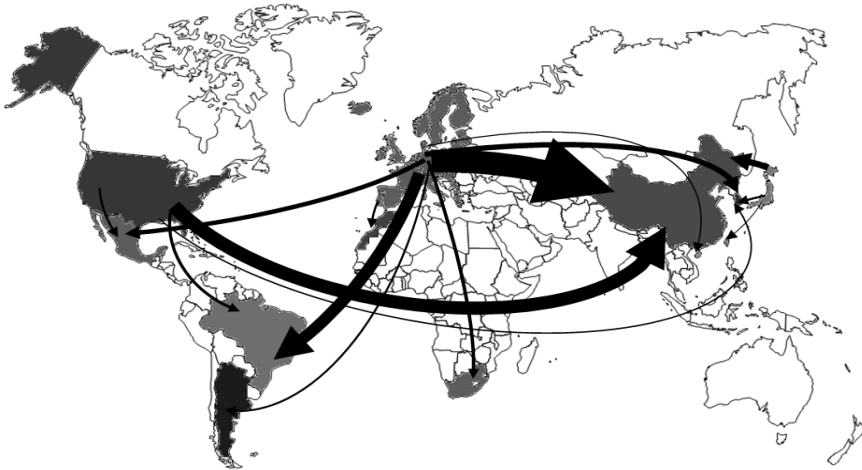
WIPO's Mandate



How can WIPO...

- increase the spread of green technologies?
- help to match those who produce green technology and those who need it?
- encourage collaborations and partnerships in different fields of green technology?

How can the green technology sector learn from the past?



International Transfer of wind power technology, 1988-2007,
OECD 2010

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The answer: WIPO GREEN

WIPO GREEN is an interactive marketplace that connects green technology providers and those seeking innovative solutions to combat environmental challenges.

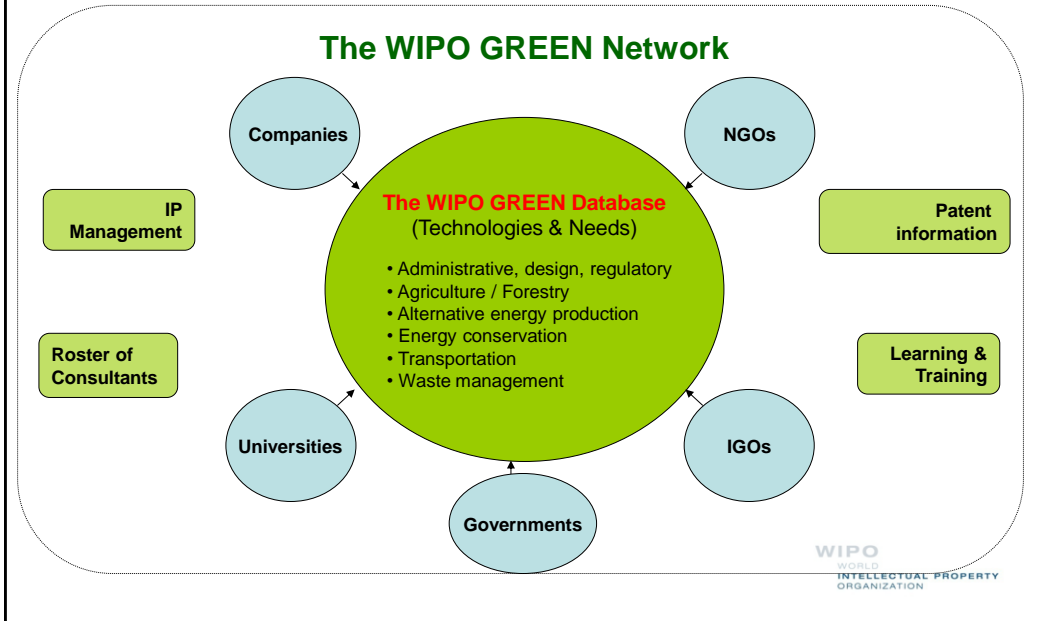
Objective is to accelerate the use and spread of green solutions all around the world, particularly in developing countries and emerging economies.

The Two Main Components:

1. The **WIPO GREEN DATABASE**, freely accessible, offers listings of:
 - Needs for green products, processes, know how transfer, collaboration and finance
 - Green products, services and intellectual property assets
2. Coming soon: The **WIPO GREEN NETWORK** connects those professionals with expertise in green technology.

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Overview



How does it work?

About WIPO GREEN | WIPO GREEN Network | WIPO GREEN Database

WIPO GREEN is an interactive marketplace that promotes innovation and diffusion of green technologies. Use our database and network to connect with technology and service providers, or advertise your needs.

WIPO GREEN database

Search for green technology and intellectual property assets. If you are a provider search for needs.

Needs | Technologies

Search Green Technologies All technical fields

<p>Administrative, regulatory or design aspects Carbon/emissions trading, static structure design, and data processing systems</p>	<p>Agriculture and forestry Pesticide alternatives and alternative irrigation techniques</p>	<p>Alternative energy production Solar, hydro, geothermal and wind energy, bio-fuels, gasification of biomass</p>
<p>Energy conservation Low energy lighting, measurement of electricity consumption, storage of electrical or thermal energy</p>	<p>Transportation Vehicles, rail vehicles, marine vessel propulsion</p>	<p>Waste management Waste disposal and treatment, pollution control, reuse of waste materials</p>

WIPO GREEN network | Funding Sources | Intellectual Property Services

www.wipo.int/green

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The Benefits to Technology Producers (green inventors)

- Promote your technology to a world wide market for **free**
 - Potential to enter new markets
- Connect with large and small companies, intergovernmental and non-governmental organizations, universities, innovators and governmental agencies from around the world
- Identify green technology needs in different regions
- Access WIPO and third party resources and services to accelerate transactions

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The Benefits to IP Agents and IP Lawyers

- Introducing clients to WIPO GREEN and listing them in the database is a value added service by providing your clients with worldwide exposure at no cost
- Increase the chance of your client commercializing their technology which may result in more work for their advisers

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Get involved: Partners and Users

PARTNERS	<ul style="list-style-type: none"> <input type="checkbox"/> Public and private institutions <input type="checkbox"/> Support WIPO GREEN and/or provide advice (eg. facilitate transactions directly or indirectly; contribute expertise; integrate WIPO GREEN in specific activities; act as regional or national focal points, etc).
USERS	<ul style="list-style-type: none"> <input type="checkbox"/> SEEKERS upload needs for products, processes, know-how transfer, collaborations and finance <input type="checkbox"/> PROVIDERS upload products, services and intellectual assets (incl. inventions, technologies, know-how, patents), for sale, collaboration and/or license <input type="checkbox"/> OTHER USERS access resources, services, the newsletter and interactive blog that will also be available to Partners and Users

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The Growing List of Partners



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Technology/Products/Solutions Providers



FUJITSU



HITACHI
Inspire the Next

HONDA
The Power of Dreams



Quantum Design Japan
日本カンタム・デザイン株式会社



Quantum Energy®
World Best Global Company

simpanetworks



And many more.

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Get Involved

Become a User and register to:

- communicate your green innovation and technology needs
- advertise your inventions, technologies, products and services
- connect with the innovation and business communities globally

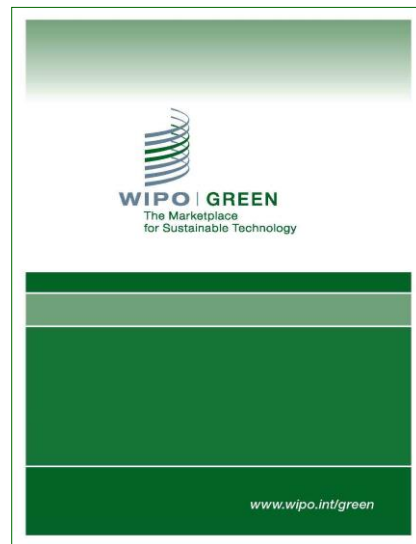
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Questions?

For more information on WIPO GREEN:

Email: global.challenges@wipo.int

Web: www.wipo.int/green



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**Sharing Innovation in the Fight Against
Neglected Tropical Diseases, Malaria and
Tuberculosis**

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What prompted this initiative?

- One of the world's great global health challenges is to overcome the impact of neglected tropical diseases, and conditions such as malaria and tuberculosis.
- These diseases negatively affect the lives of more than one billion people, many of whom live in the world's least developed countries.
- According to the World Health Organization there are 17 neglected tropical diseases including Dengue.

What prompted this initiative?

WIPO's Mandate

WIPO Development Agenda (2007)

- 45 recommendations adopted by the WIPO General Assembly in October 2007
- Focus on, inter alia, Technology and Knowledge Transfer, Capacity Building, and Licensing of IP to foster development in developing and LDCs.

UN Millennium Development Goals (2000) – Health-Related Objectives

Goal 4: Reduce Child Mortality

Goal 5: Improve Maternal Health

Goal 6: Combat HIV/AIDS, Malaria and Other Diseases

What prompted this initiative?

First WHO Report on Neglected Tropical Diseases (NTDs): “a research strategy is required to develop and introduce new medicines and new diagnostics, that will be accessible to all who need them.”

For researchers working on new products for NTDs in the developing world, the intellectual property held by companies can be of great value.

The intellectual property held in companies includes not just patents but know-how.

This type of information is invaluable to creating new drugs, vaccines and diagnostics for diseases of the developing world.

WIPO's Response

- Wanted to provide wider access to intellectual property for pharmaceutical compounds and technologies, for neglected tropical diseases, as well as tuberculosis, and malaria.
- Also and – and most importantly – share know-how and data available on these conditions
- Develop a tool to help stimulate more research and development for new and better treatment options for those suffering from these conditions.

How can WIPO help?

- By creating a database of available intellectual property assets, including compounds, regulatory data, know-how and other information, then...
- encouraging those with IP and know how to share.
- The platform needs to be open. Anyone or any institution must be able to access the database and express interest in obtaining additional proprietary information.
- And so **WIPO Re:Search** was created in 2011

How does it work?

- Members upload assets and resources onto the searchable, public **WIPO Re:Search** database on the condition that the data is available for licensing royalty-free
- Partnership Hub administrator actively facilitates specific collaborations between **WIPO Re:Search** Members

Royalty-free Licensing

- **Licenses for research and manufacture** – must be royalty-free to anyone, anywhere
“Providers agree to grant Users royalty-free licenses to this Intellectual Property for research and development, anywhere in the world, of products, technologies or services, for the sole purpose of addressing public health needs for any or all NTDs in LDCs.”
- **Licenses governing terms of sale** – must be royalty-free in LDCs, sales in other markets may be negotiated
“Providers agree to grant Users royalty-free licenses to this Intellectual Property anywhere in the world to make or have made such products, technologies or services, and to import and export, for the sole purpose, to sell or have sold, these products in LDCs.”

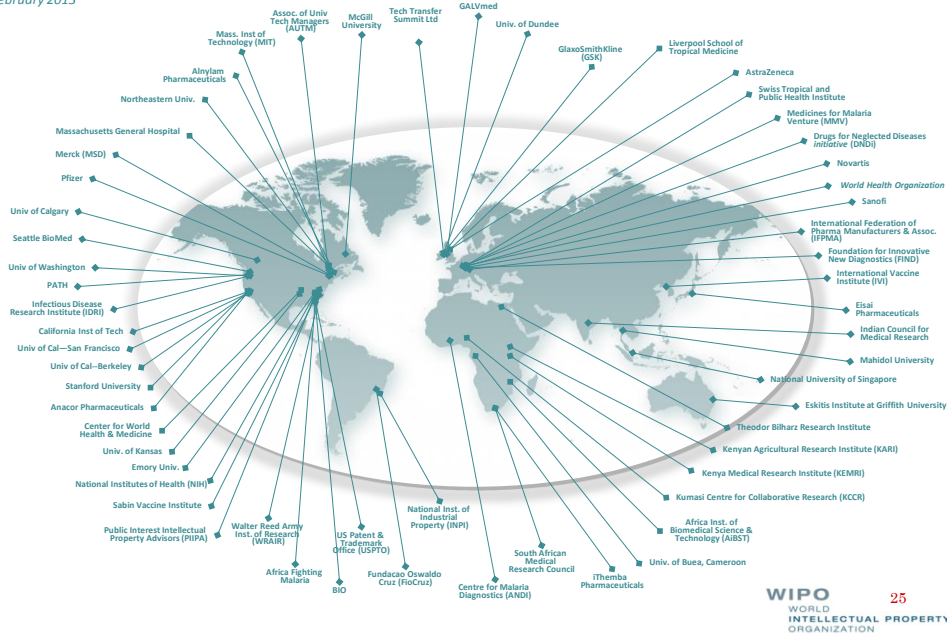
Who is involved?



* BVGH = **BIO Ventures for Global Health**, a non-profit organization whose mission is to save lives by accelerating the development of novel drugs, vaccines, and diagnostics to address the unmet medical needs of the developing world.

Current WIPO Re:Search Members

February 2013



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WIPO Re:Search

How does it work? www.wipoReSearch.org

WIPO Re:Search
Sharing Innovation in the Fight Against Neglected Tropical Diseases
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Contact us

WIPO RE:SEARCH

- About
- Database Search
- About the Database
- Frequently Asked Questions
- Terms of Use
- Partnership Hub
- How to Participate
- Collaboration Agreements
- Supporting Services
- FAQs
- User Feedback

TECHNICAL ADVISOR TO
WIPO
World Health Organization

WIPO Re:Search Database

The WIPO Re:Search Database is composed of intellectual property assets, including compounds, enabling technologies, know-how, and other information that Providers have chosen to make available in WIPO Re:Search. All the information is publicly available and can be accessed without registration.

Please watch this space as Providers regularly upload additional entries and new Providers join WIPO Re:Search.

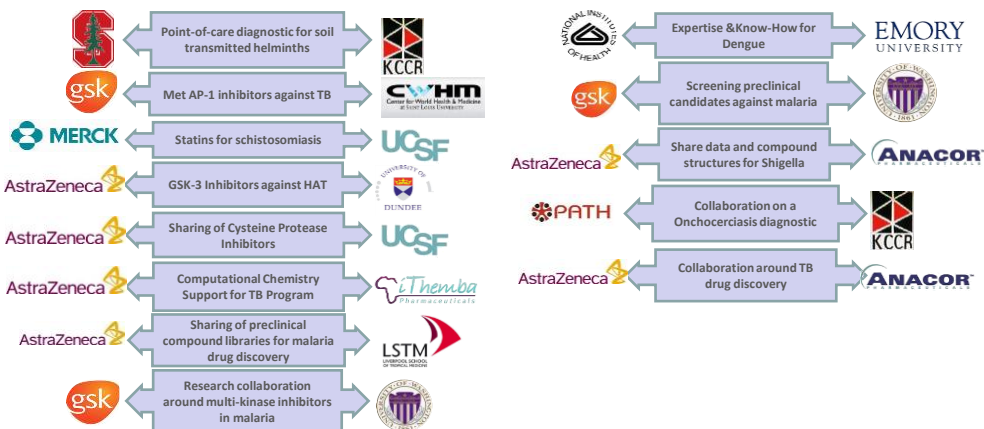
To inquire further about any particular items in the database, please note the Submission ID and [submit a request](#) or contact the [Partnership Hub](#).

Structured Search Full Text Search

Provider:

- 80 Degrees Pharmaceuticals (80P)
- Aberystwyth University
- African Institute of Biomedical Sciences and Technology (AIBST)
- Alnylam
- Caltech
- Center for World Health and Medicine (CVHM)
- Centre of Excellence for Malaria Diagnosis, University of Lagos
- Drugs for Neglected Diseases initiative (DNDI)
- Eisai
- Eskitis Institute
- GlaxoSmithKline (GSK)
- Infectious Disease Research Institute (IDRI)
- International Centre for Genetic Engineering and Biotechnology (ICGEB)
- International Vaccine Institute (IVI)
- Themba
- Trypanosomiasis Research Centre at the Kenya Agriculture Research Institute (KARI)
- Kumasi Centre for Research in Tropical Medicine (KCRTM)
- Liverpool School of Tropical Medicine (LSTM)
- Massachusetts Institute of Technology (MIT)
- McGill University (McGill)
- Medical Research Council of South Africa (MRC)
- Medicines for Malaria Venture (MMV)

Results to Date



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WIPO  Re:Search

Results to Date – 1 Year post-launch

- 72 Members (31 at launch)
- 9 Members of ANDI (African Network for Drug and Device Innovation)
 - Cameroon, Egypt, Ghana, Kenya, Mali, Nigeria, SA
- 33 Research Collaborations announced
- Financial Support from Gov'ts of Australia and Japan

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www.wipoReSearch.org

■ Briefing for Participants in the Sub-Regional Seminar

Singapore
2014

What is *WIPO Re:Search*?

- **Platform for sharing IP assets and resources** in order to catalyze research and development on NTDs, malaria, and tuberculosis
- **“Beyond Patents”** – shared IP assets and resources include pharmaceutical compounds, technologies, know-how, data, research facilities, hosting arrangements, etc.

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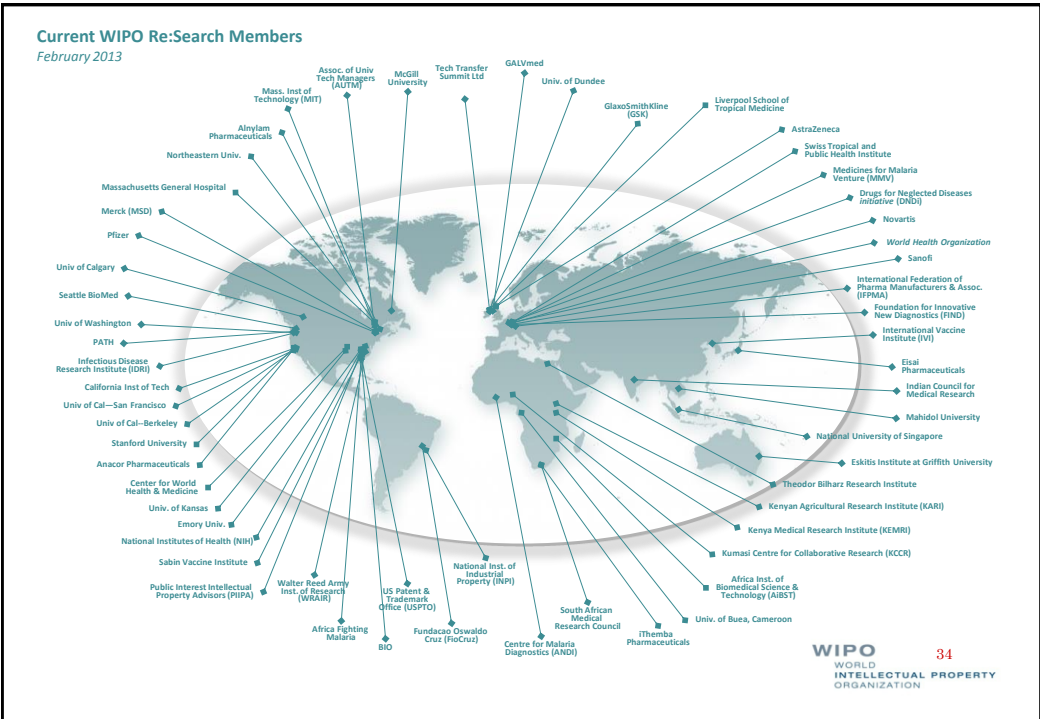
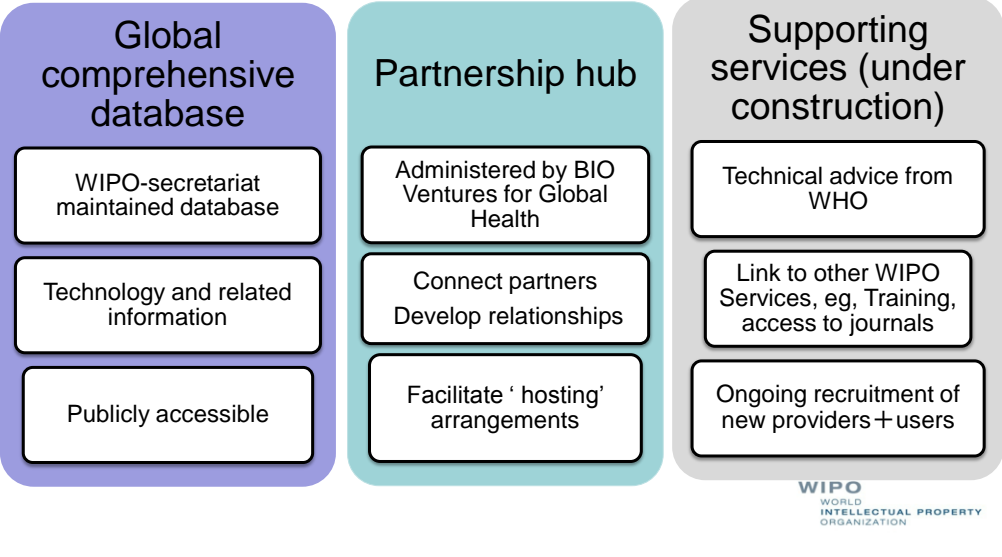
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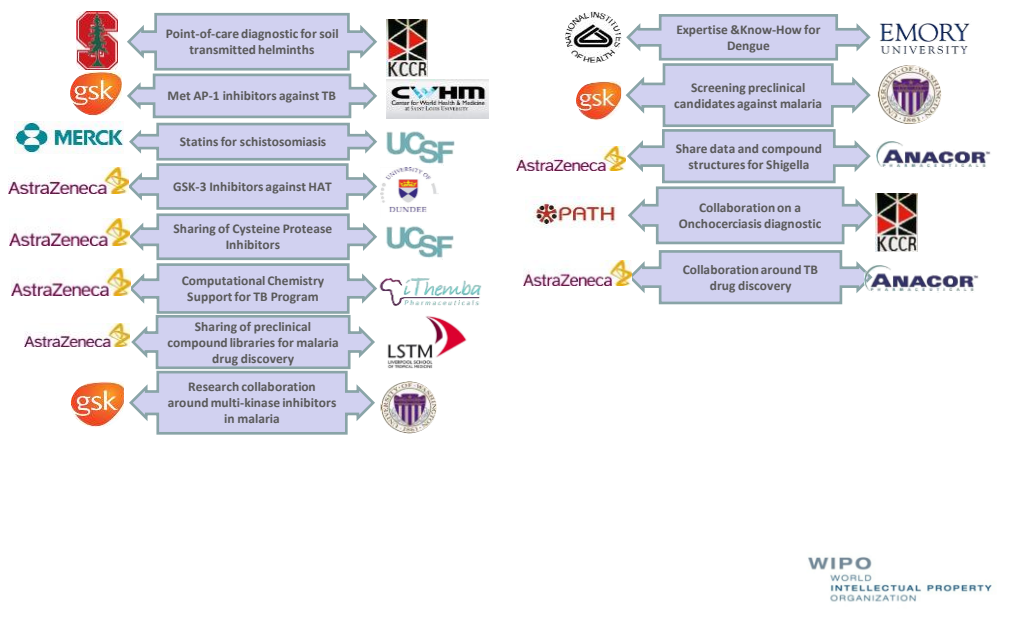
WIPO’s “niche” is specific and targeted:

Francis Gurry, WIPO Director General: “WIPO Re:Search is a wonderful opportunity for capacity-building in R&D and innovation, sharing and creating connections which can in turn lead to the advancement of knowledge and discoveries.” (October 2011)

Structure



Results to Date



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