



**WIPO | GREEN**

The Marketplace  
for Sustainable Technology

# **INNOVATION IN THE FIELDS OF CLEAN ENERGY/GREEN TECHNOLOGIES, & CLIMATE CHANGE: THE ACTION OF WIPO**

Edward Kwakwa  
Senior Director, WIPO

**Bocconi, October 12, 2018**

# About WIPO



## WIPO's Mission:

To enable governments, businesses and individuals in all member states to realize the potential benefits of IP as a driver of innovation and creativity

**Status:** An intergovernmental organization

**Member States:** 191

**Observers:** 350 +

**Staff:** 1,300 from 120 countries

**Treaties Administered:** 26

**Decisions by:** GA, CC, WIPO Conference



**WIPO | GREEN**

The Marketplace  
for Sustainable Technology

# IP and global challenges

## Global Health

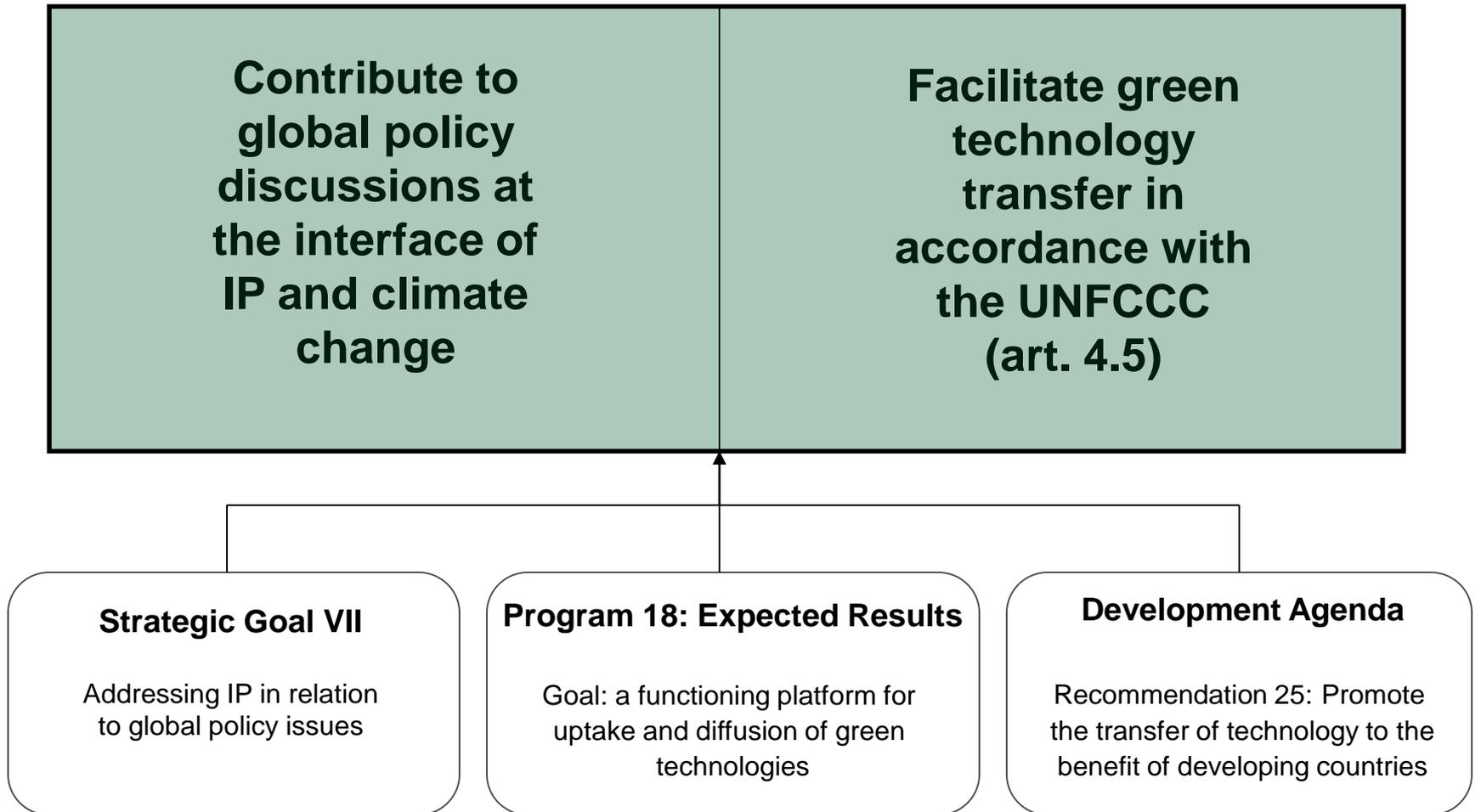
- ❑ In 2011, launched WIPO Re:Search
- ❑ Sharing innovation in the fights against NTDs, malaria and TB
- ❑ Launched with 31 Members, now 135
- ❑ 128 collaborations

[www.wipoReSearch.org](http://www.wipoReSearch.org)

## Climate Change

- ❑ In 2013, launched WIPO GREEN
  - ❑ The marketplace for sustainable technology
  - ❑ Launched with 34 Partners, now 84
  - ❑ >3200 uploads
- [www.wipo.int/green](http://www.wipo.int/green)

# WIPO's “green” mandate



# WIPO GREEN & sustainable development goals (SDGs)

- SDG 2 End hunger, achieve food security and improved nutrition and promote sustainable agriculture
- SDG 6 Clean water and sanitation
- SDG 7 Affordable and clean energy
- SDG 9 Industry, innovation and infrastructure
- SDG 13 Climate change
- SDG 17 Partnerships

# Paris Agreement, Article 10.5

5. Accelerating, encouraging and enabling innovation is critical for an effective, long-term global response to climate change and promoting economic growth and sustainable development. Such effort shall be, as appropriate, supported, including by the Technology Mechanism and, through financial means, by the Financial Mechanism of the Convention, for collaborative approaches to research and development, and facilitating access to technology, in particular for early stages of the technology cycle, to developing country Parties.

# IP trends in green technologies

- The private sector is the source of ~70% of innovation.
- In the green space, this rises to ~80%
  - Companies fund 4 out of every 5 US dollars in R&D.<sup>1</sup>
- A large portion of patents are held by multinational businesses.
- More and more SMEs are investing in green technologies and obtain patents.<sup>2</sup>

Source:

1 WIPO Magazine Pioneering Green Innovation: An interview with General Electric-January 2012

2. Reichman et al. Intellectual Property and Alternatives : Strategies for Green Innovation, Chatham House, 2008.

# Global Challenges Report

## Renewable Energy Technology: Evolution and Policy Implications—Evidence from Patent Literature

SARAH HELM  
Senior Associate, CambridgeIP, UK

QUENTIN TANNOCK  
Chairman, CambridgeIP, UK

ILIJAN ILIEV  
Director, CambridgeIP, UK



## Global Challenges Brief

### The acceleration of climate change and mitigation technologies: Intellectual property trends in the renewable energy landscape

A REPORT BY CAMBRIDGEIP

#### 1 minute read: key messages

- Patenting activity has increased in all four technology sectors analyzed (biofuels, solar thermal, solar PV and wind).
- Innovation and patent filing rates in these technology sectors grew by 24% annually between 2006 and 2011 and outpaced the 6% global average increase in patent filings.
- The highest rate of technology investment is in the solar PV sector.
- China and the Republic of Korea have contributed most in recent years across all four technology areas.
- Over 30% of patents filed made use of the Patent Cooperation Treaty (PCT) system.
- Patent concentrations have decreased across three of the four patent landscapes (wind being the exception), reflecting greater globalization as well as higher competition between players from more countries.
- In solar PV, the top 20 technology owners are based in Asia.

### The Role of Climate Change and Mitigation Technologies (CCMTs)

Climate change is one of the biggest challenges of our time. Global greenhouse gas emissions, a main driver of climate change, continue to rise rapidly with observed carbon dioxide (CO<sub>2</sub>) concentration levels exceeding 400 parts per million as of May 2013, a record high in several hundred millennia.<sup>1</sup>

Since its inception, the United Nations Framework Convention on Climate Change (UNFCCC) has emphasized the key role of technology development and transfer in helping to stabilize greenhouse gas concentrations (Article 4.5 UNFCCC). For this to happen, a global adoption of climate change mitigation and adaptation technologies as well as policies that support the effective transfer of technologies are crucial. To this end, policy-makers and stakeholders need to be informed of the empirical evidence surrounding key CCMTs.

Patent publications around the world are an important source for structured and accurate information on inventors, technologies, innovation and technology ownership. Analysis of patent data relating to an industry or a specific technology can reveal important information about the origins of a technology, how a technology space is developing and how the composition of industry players has evolved. It can also identify the most important (commercially or scientifically) patent documents of a technology or industry space. The analysis of patent data can therefore inform both commercial decision-making and the formulation of effective public policy.

# What is WIPO GREEN?



[Home](#)

[Database](#)

[Network](#)

[About Us](#)

[Join Us](#)

## WIPO GREEN – The Marketplace for Sustainable Technology

**On this page:** [Database](#) | [Network](#) | [Join us](#) | [The challenge](#) | [Related links](#)

WIPO GREEN is an interactive marketplace that promotes innovation and diffusion of green technologies. It does this by connecting technology and service providers with those seeking innovative solutions. [Find out more about WIPO GREEN.](#)

[What precisely does WIPO GREEN do?](#) ↓

[What is unique about WIPO GREEN?](#) ↓

Still have questions about WIPO GREEN? [Read our full list of FAQs.](#)

# Two principal components

## WIPO GREEN Database

- Freely accessible, offers a broad listing of:
  - Products, services and intellectual property
  - Needs for products, processes, know how transfer, collaboration and finance

## WIPO GREEN Network

- Connects green technology providers and seekers:
  - catalyzes mutually beneficial commercial transactions
  - offers many resources and services

# The WIPO GREEN Network



# Challenges

- Enabling more efficient adaptation and deployment of green solutions.
- Supporting innovation and tech diffusion.
- Transparency and know-how
  - Which technologies are available? Who owns them?
  - Which technologies are needed?
  - How to establish and structure partnerships?
  - How to access financing solutions?

# Goals

- More transparent marketplace
- Reduce transaction costs
- Build on comparative advantages of multi-stakeholder approaches
- Constructively contribute to the global policy discourse

# The WIPO GREEN Database

■ Freely accessible, offers a broad listing of:

- **Products**, services and intellectual property (IP) assets (including inventions, technologies, know-how) for sale and/or license, as well as opportunities for collaboration
- **Needs for products**, processes, know-how transfer, collaborations and finance

■ The technologies and needs cover:

- Building and Construction
- Chemicals & Advanced Materials
- Energy
- Farming/Forestry
- Green Products
- Pollution & Waste
- Transportation
- Water

# The WIPO GREEN Database

Home Database Network About Us Join Us

## Search the WIPO GREEN Database

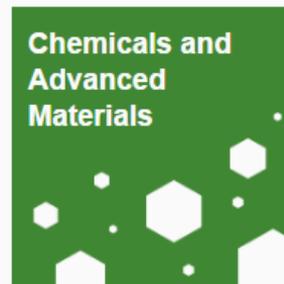
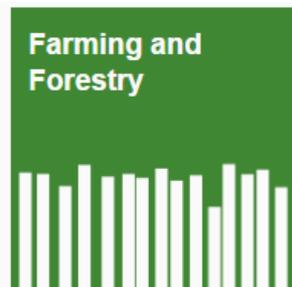
Enter search term  [Search](#)

To submit a technology or need, sign in with your WIPO Account.

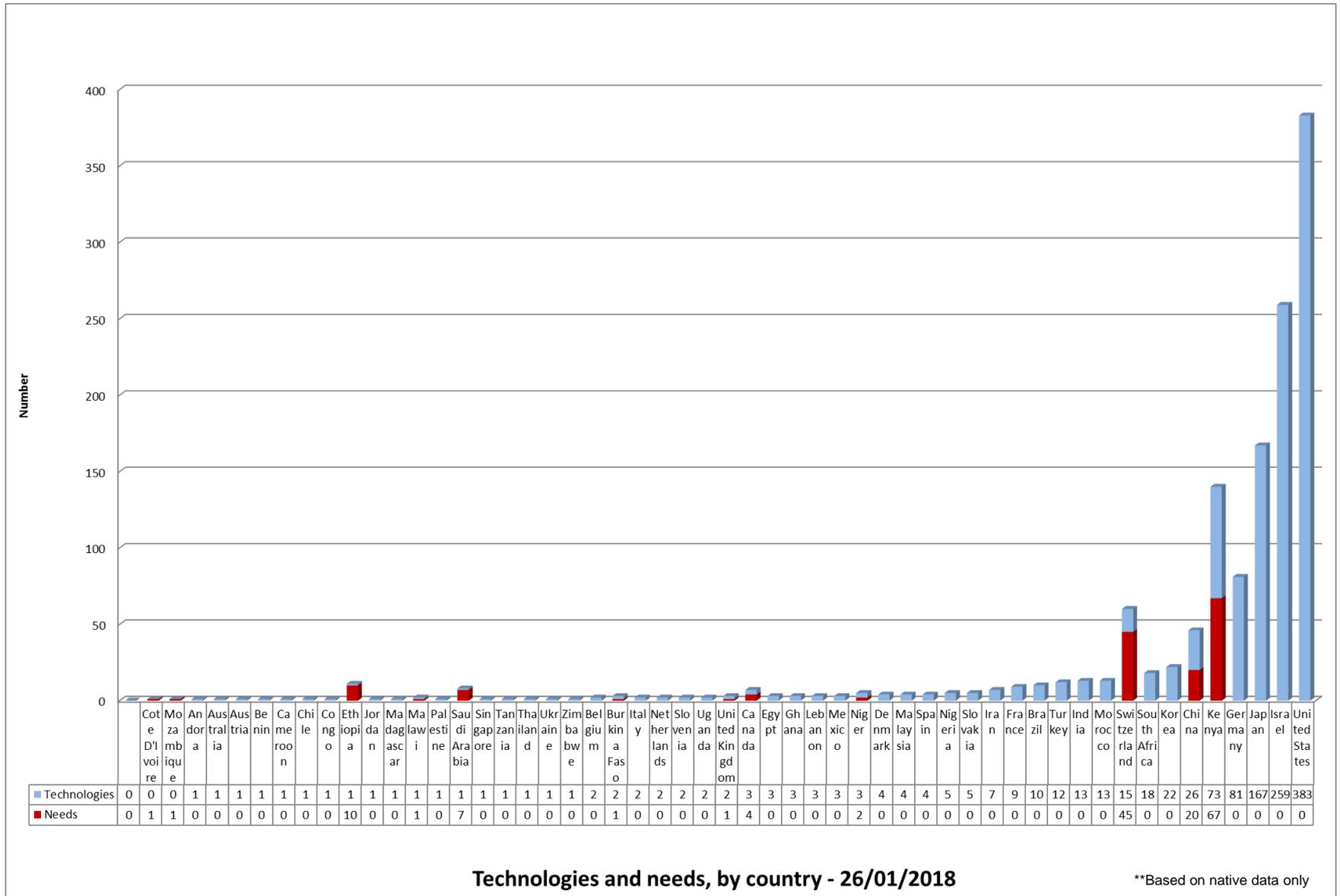
[List of current providers and seekers](#)  
[Read the Database FAQs](#)

### Database categories

Click on a category to show all its entries and sub-categories.



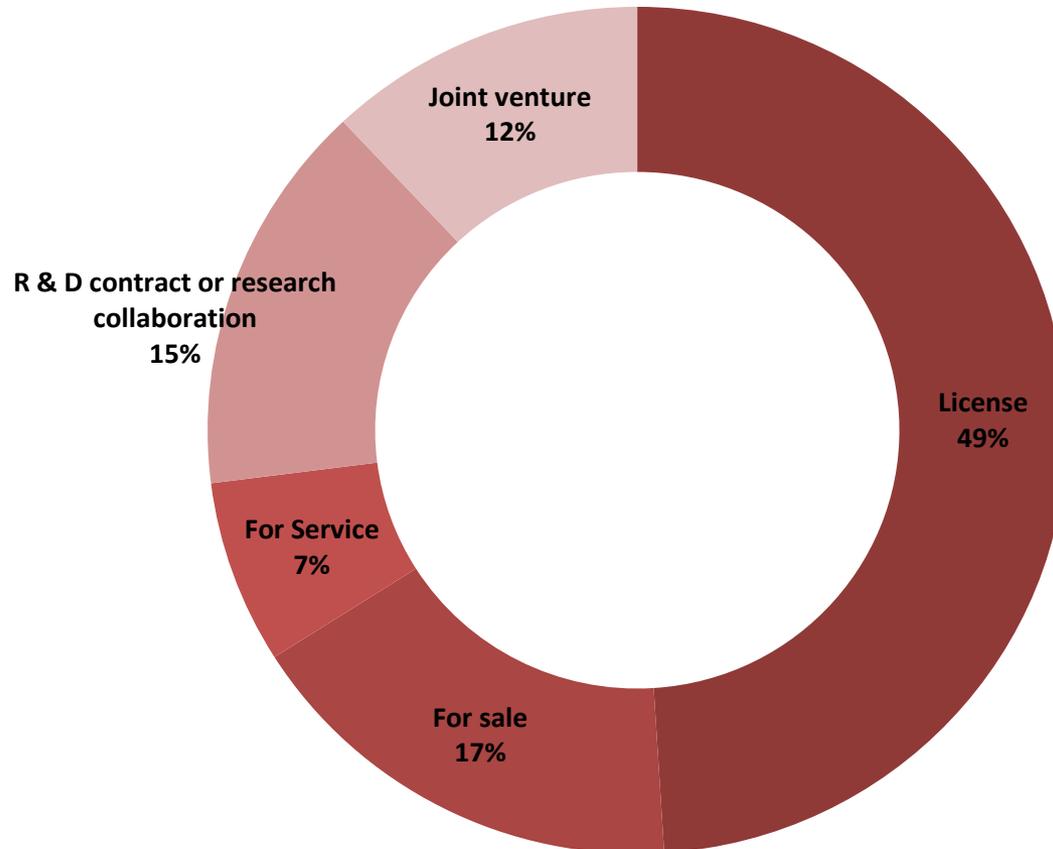
# Number of technologies and needs by country



Technologies and needs, by country - 26/01/2018

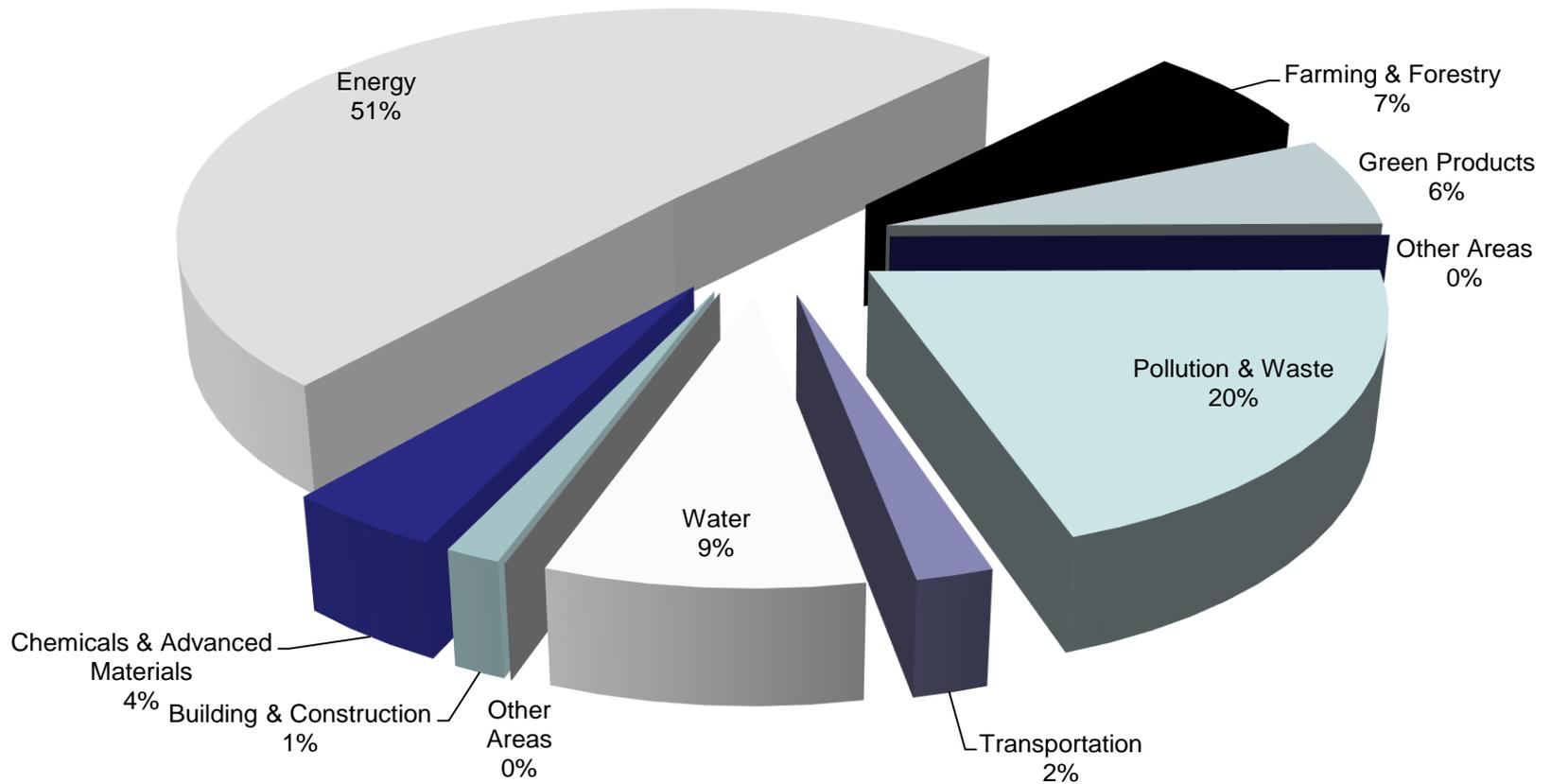
\*\*Based on native data only

# Type of collaborations sought



\*\*As at 26/01/2018

# Technologies, by type



\*\*As at 26/01/2018

# The WIPO GREEN Network

- Connects providers and seekers and catalyzes mutually beneficial commercial transactions, by
  - Specific matchmaking projects, events and activities
  - PIIPA 300 hours of Pro Bono services
  - Services offered by WIPO and third parties such as arbitration and mediation
  - IP management resources
  - Links to funding opportunities
  - Learning and training opportunities, upcoming events

# Partners and Users

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

# The Charter

- Mission and principles of WIPO GREEN
- Governance:
  - WIPO Secretariat
  - Advisory Board
- Partners have to agree in writing to the Charter and specify contributions

**WIPO GREEN**  
The Marketplace for Sustainable Technology

## Charter

### Overview

As the United Nations agency dedicated to promoting innovation and creativity, WIPO has a mandate, embedded in WIPO's Development Agenda, to develop practical intellectual property (IP) tools that drive forward solutions to environmental challenges. WIPO GREEN further builds on and reinforces existing WIPO programs and lends support to the initiatives of other organizations, including those within the United Nations (e.g., UNDP, UNEP, UNFCCC, UN Global Compact, UNIDO) and the Climate Technology Program hosted at *infoDev* within the World Bank Group.

### Mission

The mission of WIPO GREEN is to contribute to the accelerated adaptation, adoption and deployment of green technology solutions, in both developing and developed countries. WIPO GREEN connects technology providers with technology seekers and offers a range of services to catalyze mutually beneficial commercial transactions.

### WIPO GREEN has two components

1. The WIPO GREEN Database consists of a range of IP assets including inventions, technologies, know-how and services and a catalogue of expressed needs. The database is freely accessible with certain details available only upon registration.
2. The WIPO GREEN Network serves as a global platform that connects users, fosters partnerships and provides a marketplace for green inventions, technologies, know-how and services.

### Principles

Transparency in the marketplace leads to greater efficiency. WIPO GREEN, as a global repository of technologies, best practices and analyses, contributes to a more open market.

Partnerships are critical to achieving synergies and fostering the transfer of technologies, and, as appropriate, associated know-how. WIPO GREEN brings together the public and private sectors on a voluntary basis to facilitate collaborations and accelerate investments.

A comprehensive understanding of needs is essential for effective deployment of green technology. WIPO GREEN offers a space for publicizing needs, allowing interested parties to respond to and offer solutions.

IP rights are an important policy tool to encourage innovation. They provide economic incentives to develop new technology and help diffuse innovation, and structure relationships that underpin commercial transactions. WIPO GREEN encourages the exchange, sale and licensing of technologies and their associated rights.

The sustained deployment and uptake of technologies occurs when parties freely enter into a contract on mutually agreed terms. Agreements that originate through the use of the WIPO GREEN are the responsibility of the contracting parties.

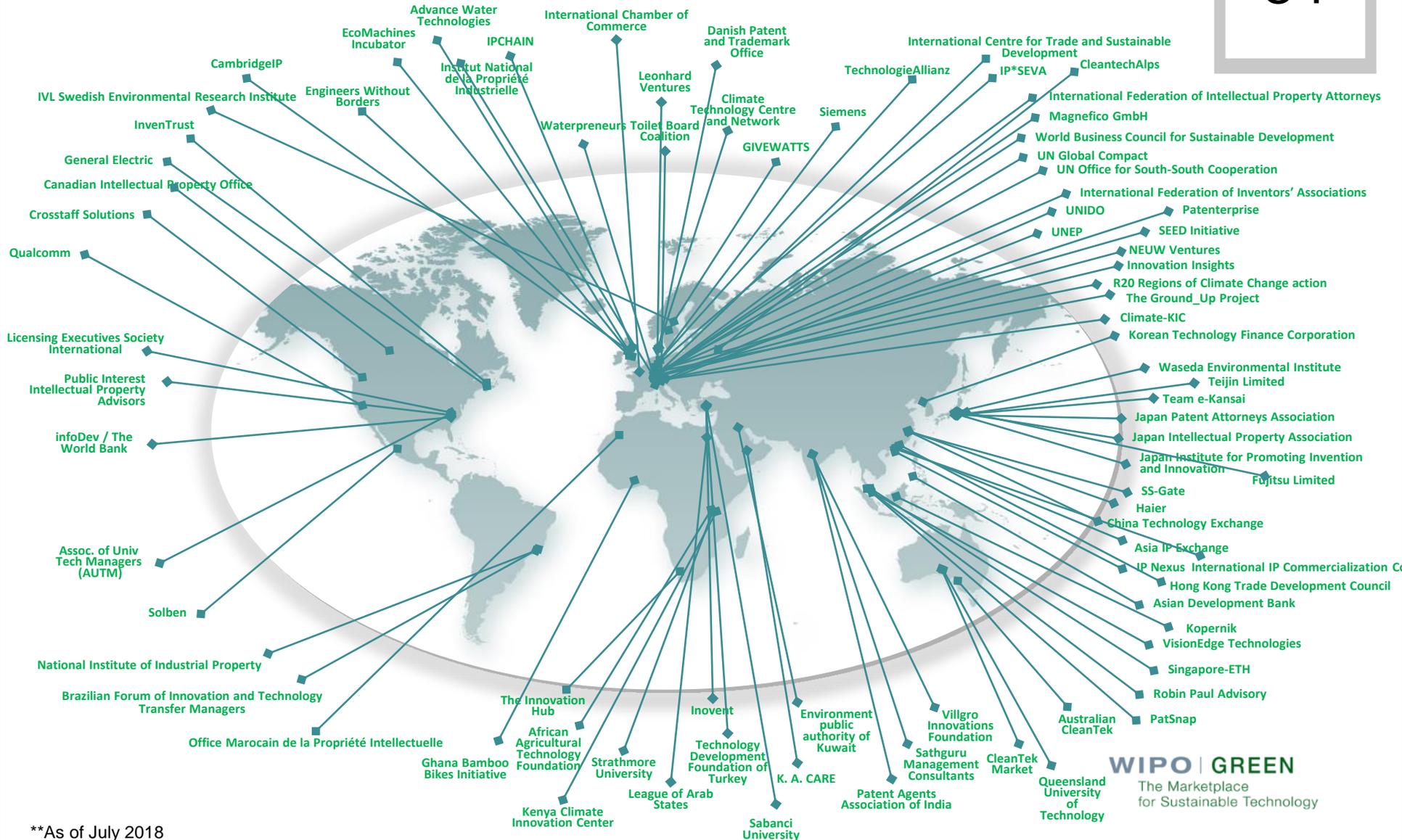
# WIPO GREEN Charter: Principles

- **Transparency** in the marketplace leads to greater efficiency
- **Partnerships** are critical to achieving synergies and fostering the transfer of technologies...
- A comprehensive **understanding of needs** is essential for effective deployment of green technology.
- IP rights are an important policy tool to **encourage innovation**. ... provid[ing] economic incentives to develop new technology ... and structure relationships ...
- The sustained deployment and uptake of technologies occurs when **parties freely enter into a contract** ...

# WIPO GREEN Partners

Members

84



\*\*As of July 2018

# WIPO GREEN Partners

## Sub-Saharan Africa

- African Agricultural Technology Foundation (Kenya)
- Ghana Bamboo Bikes Initiative (Ghana)
- Kenya Climate Innovation Center (Kenya)
- Strathmore University / Center for Intellectual Property and Information Technology Law (Kenya)
- The Innovation Hub (South Africa)
- United Nations Environment Program (UNEP) (Kenya)

# WIPO GREEN Partners

## Northern Africa and Western Asia

- Moroccan Office of Industrial and Commercial Property (OMPIC)
- Environment Public Authority of (Kuwait)
- K. A. CARE (Saudi Arabia)
- League of Arab States (Egypt)
- Inovent (Turkey)
- Sabanci University (Turkey)
- Technology Development Foundation of Turkey (Turkey)

# WIPO GREEN Partners

## Central and Southern Asia

- Patent Agents Association (India)
- Sathguru Management Consultants (India)
- Villgro Innovations Foundation (India)

# WIPO GREEN Partners

## Southeast Asia, East Asia and Oceania

- Asia IP Exchange / Hong Kong Trade Development Council (China)
- Asian Development Bank (ADB) (Philippines)
- Asia-Pacific Industrial Property Center – Japan Institute for Promoting Invention and Innovation (Japan)
- Australian CleanTech (Australia)
- China Technology Exchange (China)
- CleanTek Market (Australia)
- Haier (China)
- IP Nexus (China)
- International IP Commercialization Council (China)
- Japan Intellectual Property Association (Japan)
- Japan Patent Attorneys Association (Japan)
- Korea Technology Finance Corporation (Republic of Korea)
- Kopernik (Indonesia)
- PatSnap (Singapore)
- Robin Paul Advisory (Malaysia)
- Queensland University of Technology (Australia)
- Singapore-ETH Centre for Global Environmental Sustainability (Singapore)
- Team E-Kansai (Japan)
- Teijin Limited (Japan)
- VisionEdge Technologies (Singapore)
- Waseda University Environmental Research Institute (Japan)
- Fujitsu Limited (Japan)

# WIPO GREEN Partners

## Latin America and the Caribbean

- Brazilian Forum of Innovation and Technology Transfer Managers (Brazil)
- National Institute of Industrial Property (Brazil)
- Solben (Mexico)

# WIPO GREEN Partners

## North America

- Association of University Technology Managers (USA)
- Crosstaff Solutions (Canada)
- Canadian Intellectual Property Office (Canada)
- GE (USA)
- infoDev (USA)
- Intellectual Property for Sustainable Energy Ventures (USA)
- InvenTrust (USA)
- Licensing Executives Society International (LESI)(USA)
- Public Interest Intellectual Property Advisors (USA)
- Qualcomm (USA)
- South-South Global Assets and Technology Exchange (SS-GATE) (USA)
- United Nations Global Compact (UNGC) (USA)
- United Nations Office for South-South Cooperation (UNOSSC)(USA)

# WIPO GREEN Partners

## Europe

- Advance Water Technologies (UK)
- CambridgeIP (UK)
- CleantechAlps (Switzerland)
- Climate-KIC (Switzerland)
- Danish Patent and Trademark Office (Denmark)
- EcoMachines Incubator (UK)
- Engineers Without Borders (UK)
- GIVEWATTS(Sweden)
- International Chamber of Commerce (France)
- International Centre for Trade and Sustainable Development (Switzerland)
- International Federation of Inventors' Association (Switzerland)
- International Federation of Intellectual Property Attorneys (FICPI) (Switzerland)
- Innovation Insights (Switzerland)
- Institut National de la Propriété Industrielle (France)
- IPCHAIN (UK)
- IVL Swedish Environmental Research Institute
- Leonhard Ventures (Germany)
- Magnefico GmbH (Switzerland)
- NEUW Ventures (Switzerland)
- Patenterprise (Switzerland)
- R20 Regions of Climate Change Action (Switzerland)
- SEED Initiative (Germany)
- Siemens (Germany)
- TechnologieAllianz (Germany)
- The Ground\_Up Project (Switzerland)
- Toilet Board Coalition (Switzerland)
- United Nations Environment Program Climate Technology Centre and Network (CTCN)(Denmark)
- United Nations Industrial Development Organization (UNIDO) (Austria)
- Waterpreneurs (Switzerland)
- World Business Council for Sustainable Development (Switzerland)



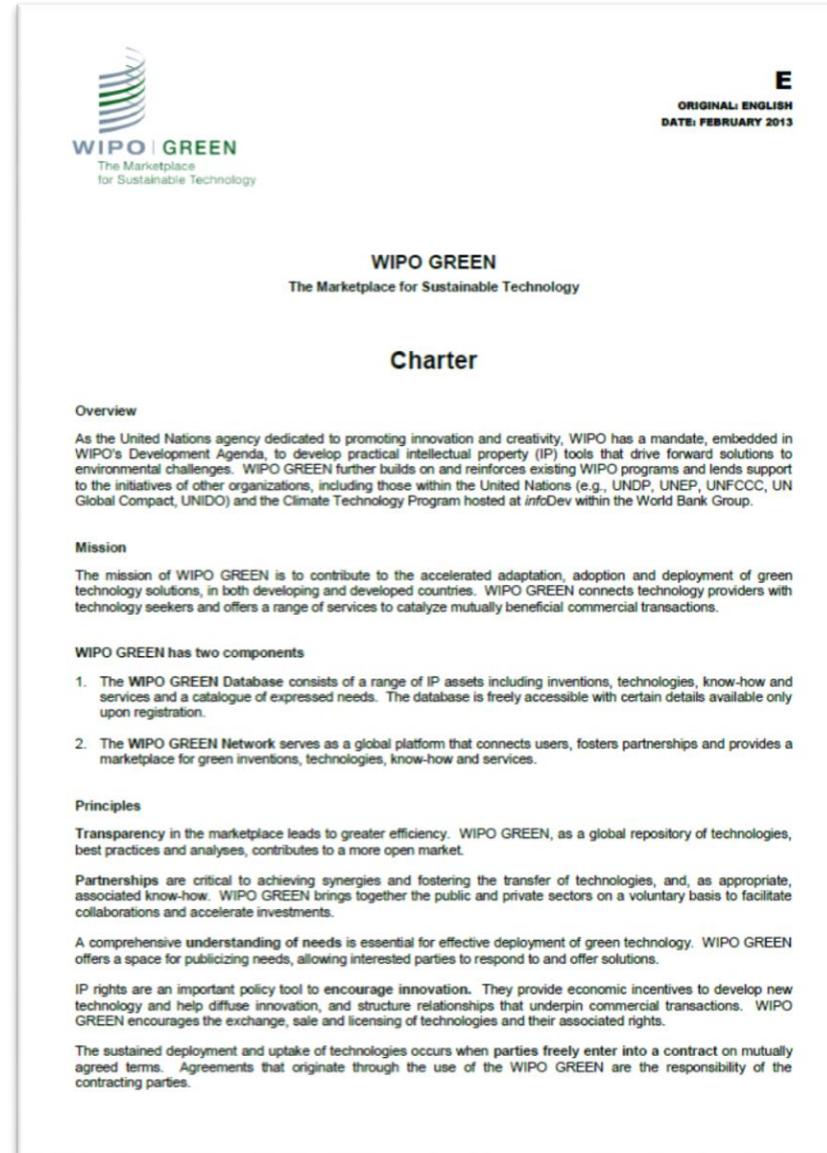
# Why become a Partner, and how?

## Advantages

- International visibility
- Part of a dynamic global network
- Be updated on climate change and IP policy agenda (through workshops, trainings events)

## How to become a Partner?

- Partners have to agree in writing to the Charter and specify their contributions to the network.
- Send it to [wipo.green@wipo.int](mailto:wipo.green@wipo.int)



# Examples of WIPO GREEN Network's deliveries

EXPO2014  
Global South-South Development Expo  
Washington DC, November 17-21, 2014

**Session 4:**  
Accelerating Green Tech Transfer  
November 18, 2014

## PIIPA pledges 300 hours of pro bono services

### Reaching out to SMEs and public sector institutes from developing countries

**Facilitator:** Public Interest Intellectual Property Advisors (PIIPA) and WIPO GREEN Users

**IP facilitator:** PIIPA IP corps

**Past and current Supporters** Sigrid Rausing Trust, Smithsonian National Museum of National History, The Fogarty International Center for the United States, National Institutes of Health, The Ford Foundation, The Rockefeller Foundation, The United Kingdom Department for International Development, WHO, WIPO, Venable LLP

### The benefits

The Public Interest Intellectual Property Group (PIIPA) has pledged 300 hours of pro bono services for selected WIPO GREEN users from developing countries SMEs and public sector institutes working in the area of Agricultural Technology, Biodiversity/Genetic Resources, Traditional Knowledge, Environment and Climate Change Technology Transfer, Information Technology and Green Technology.

### The Innovation

Despite the growing debate about the complex global role of intellectual property over the past decade, and the diversity of policy initiatives and academic studies, little has been done to meet the practical demands of developing countries and public interest organizations for access to intellectual property expertise on a case-by-case basis. Where wealthy organizations and private companies have access to expertise, SMEs are unable to access these services due to their high cost and limited expertise available within developing countries.

PIIPA tries to fill in this gap by operating a direct service

that matches assistance seekers with individual volunteers or teams who can provide advice and represent IP matters. Pro bono services offered by PIIPA help SMEs and public sector institutions from developing countries to maintain control of their intellectual assets. There are many services, including, but not limited to, patenting, marketing, technology licensing strategies, license negotiations, dispute resolution on matters involving intellectual property rights and indigenous rights.

### Expected Impact

- Exceed the present network of pro bono IP experts in more than 50 countries
- Coordinate pro bono support for more than 200 clients in over 30 developing countries, including individuals, small & medium enterprises and government agencies
- To provide balance and information that may help harness the power of informed debate to solve problems, and combat the fear and ignorance that make solutions impossible



Public Interest Intellectual Property Advisors (PIIPA), a Partner of WIPO GREEN works with WIPO GREEN to connect with the global green tech market place.  
[www.piipa.org](http://www.piipa.org)



WIPO GREEN is a 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.  
[www.wipo.int/green](http://www.wipo.int/green)



**WIPO | GREEN**  
The Marketplace  
for Sustainable Technology

# Seekers

African Agricultural Technology Foundation (26)	Need	Kenya
Alternative Energy Solutions (AES)-Malawi (1)	Need	Malawi
Canada Mining Innovation Council (4)	Need	Canada
East Africa Climate Innovation Network (EACIN) (2)	Need	Kenya
Ethiopia Climate innovation Center (10)	Need	Ethiopia
Global Supply Solutions Limited (1)	Need	Kenya
Haier Group Open Innovation Center (10)	Need	China
Kenya Climate Innovation Center (26)	Need	Kenya
POG2C Lab and Training Centre (8)	Need	Philippines
King Abdullah City for Atomic and Renewable Energy (7)	Need	Saudi Arabia
ONG BEDEMIR (1)	Need	Cote d'Ivoire
IDEP Foundation (2)	Need	Indonesia
SIG (1)	Need	Switzerland
Entrepreneurs du Monde (2)	Need	Cambodia
TOPCHOICE ENTERPRISES LTD (1)	Need	Kenya
UNOSSC (10)	Need	China
WIPO GREEN Team (44)	Need	Switzerland

\*\*As of 07/2018

# Get involved

- Become a Partner and shape the further development of WIPO GREEN
- Register to:
  - communicate your green innovation and technology needs
  - advertise your inventions, technologies, products and services
  - connect with the innovation and business communities globally

## WIPO GREEN in numbers

**84**

Partners dedicated to facilitating green technologies dissemination

**60+**

Countries/regions with technologies or needs entered

**3200+**

available technologies

**200+**

identified needs in developing countries

# Benefits of uploading technologies/needs

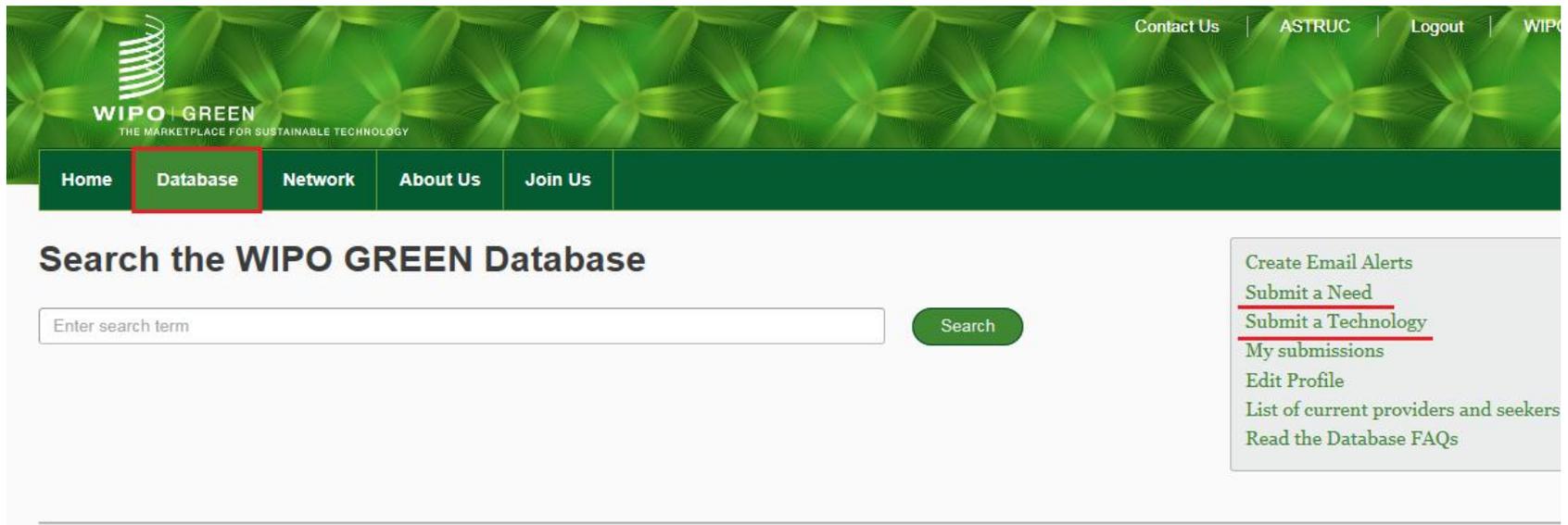
- Free-of-charge international promotion
- Connect with our large network of green technology providers and experts
- Identify potential collaborators, investors, licensees etc.
- Possibility to participate in WIPO GREEN activities (matchmaking events, green tech exhibitions, partner events, discount on WIPO Arbitration & Mediation services, etc.)

# How to register your technology/need

- Create a WIPO Account

<https://www3.wipo.int/wipoaccounts/en/green/public/register.jsf>

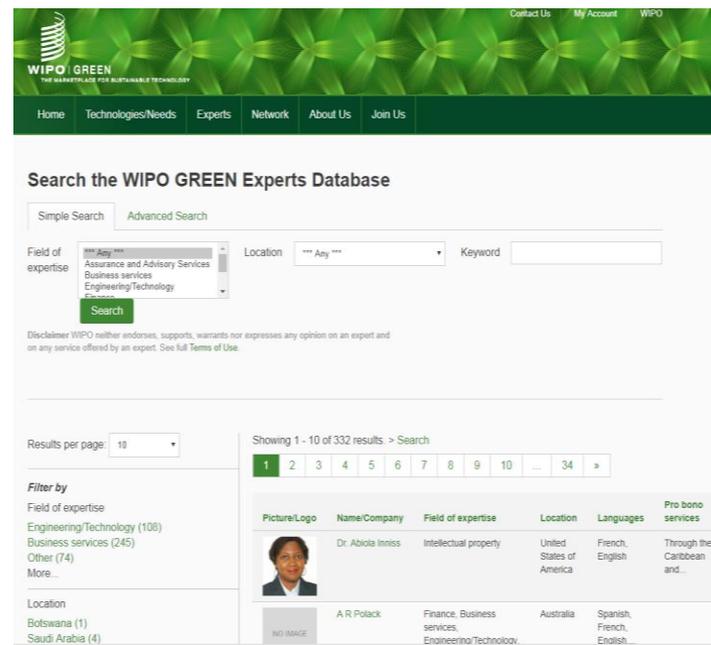
- Complete details to request a WIPO GREEN registration
- Submit your technology and/or need



The screenshot displays the WIPO GREEN website interface. At the top, there is a green banner with the WIPO GREEN logo and the tagline "THE MARKETPLACE FOR SUSTAINABLE TECHNOLOGY". To the right of the banner are links for "Contact Us", "ASTRUC", "Logout", and "WIPO". Below the banner is a dark green navigation menu with buttons for "Home", "Database", "Network", "About Us", and "Join Us". The "Database" button is highlighted with a red border. Below the navigation menu is a search section titled "Search the WIPO GREEN Database". It features a search input field with the placeholder text "Enter search term" and a green "Search" button. To the right of the search section is a vertical list of links: "Create Email Alerts", "Submit a Need", "Submit a Technology", "My submissions", "Edit Profile", "List of current providers and seekers", and "Read the Database FAQs". The "Submit a Need" and "Submit a Technology" links are underlined.

# IP professional or green tech expert?

- Advertise your services on the WIPO GREEN Experts database
- Benefits
  - Promote your services/expertise to a proven global green tech network
  - Make your services/expertise accessible to the people who need it most
  - Join one of the world's largest networks of climate change stakeholders
  - Contribute practically to the global effort to tackle climate change



The screenshot shows the WIPO GREEN website's search interface. At the top, there is a green header with the WIPO GREEN logo and navigation links: Home, Technologies/Needs, Experts, Network, About Us, and Join Us. Below the header, the search area is titled "Search the WIPO GREEN Experts Database". It features a search bar with "Simple Search" and "Advanced Search" options. A dropdown menu for "Field of expertise" is open, showing options like "Assurance and Advisory Services", "Business services", "Engineering/Technology", and "Finance". There are also fields for "Location" (set to "Any") and "Keyword". A green "Search" button is visible. Below the search bar, a disclaimer states: "Disclaimer: WIPO neither endorses, supports, warrants nor expresses any opinion on an expert and on any service offered by an expert. See full Terms of Use." The search results section shows "Showing 1 - 10 of 332 results" and a pagination bar with numbers 1 through 34. On the left, there are filters for "Field of expertise" (Engineering/Technology: 108, Business services: 245, Other: 74) and "Location" (Botswana: 1, Saudi Arabia: 4). The main results table has columns for "Picture/Logo", "Name/Company", "Field of expertise", "Location", "Languages", and "Pro bono services". Two results are visible: Dr. Abiola Inniss (United States of America, French/English) and A R Polack (Australia, Spanish/French/English).

# Matchmaking

- Objective: bring together providers and users of technologies and/or services as well as other facilitators and experts from the WIPO GREEN network and beyond
- Via database, partner initiatives, projects
- WIPO GREEN regional matchmaking projects focused on specific fields of technology
- Creates new business opportunities, face-to-face negotiation, IP training

# Past matchmaking events

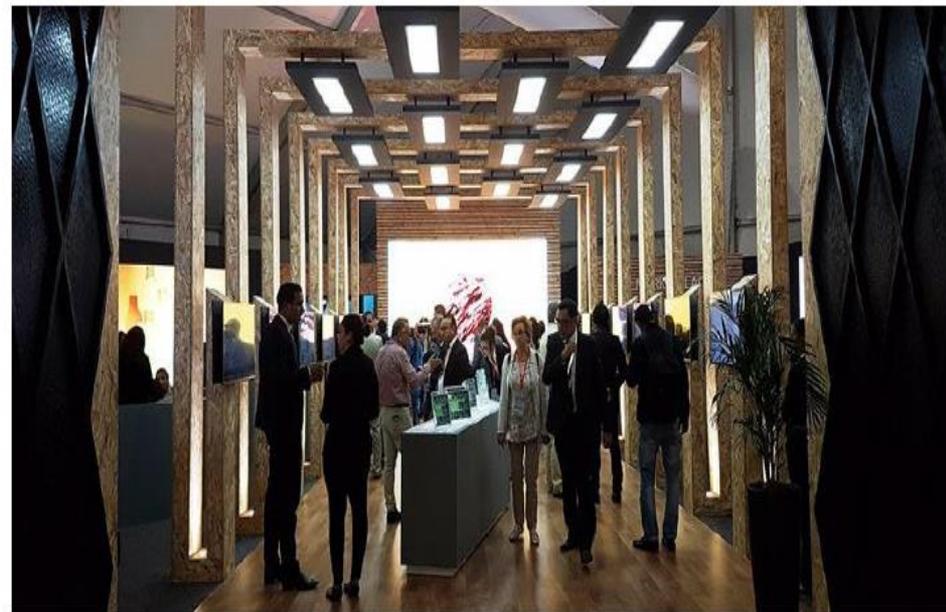
## WIPO GREEN @ COP22 in Marrakesh

### Innovate 4 Water A matchmaking forum for sustainable development

June 7-9, 2017  
WIPO, Room A, AB Building  
Geneva, Switzerland



WATERVENT



### Showcasing Innovative SME Climate Solutions for Africa: Exhibit and Roundtables

The exhibition featuring green tech innovations coming from Africa-focused SMEs during the COP 22 in Marrakesh was a fruitful collaboration with WIPO GREEN Partners OMPIC and INPI in promoting green technologies transfer and local innovators in Africa. The event was also successful in terms of increasing the number of user registrations and technologies on the database in 2016, bringing in over 100 new registrations in one month alone.

# Matchmaking project in East Africa

- Identification of 70 needs in Ethiopia, Kenya and Tanzania
- Water treatment, energy, food processing
- Survey of solutions responding to those needs
- Matchmaking event April 5-7, 2016, in collaboration with CTCN, KCIC
- 9 letters of intent
- Supported by the government of Japan





WIPO GREEN's matchmaking project on water and agriculture in East Africa was a successful demonstration of how to facilitate green technology transfer in the developing world. The matchmaking event (organized in collaboration with CTCN, Strathmore University, Kenya CIC and AATF) also contributed to expanding needs focusing on specific regions (Kenya, Ethiopia, and Tanzania) and corresponding technology solutions in the WIPO GREEN database. Of the 39 seekers present, nine letters of intent were signed, as well as eight additional connections made between seekers and CTI-PFAN, GIZ and AfDB.

[Read the full matchmaking report from the 2015 matchmaking project on wastewater in South Asia.](#)

# 2018 Matchmaking Project in Asia Pacific

- Agriculture, air, energy and water
- Cambodia, Indonesia, the Philippines
- Catalyze transactions that address technology needs in an environmentally friendly way, thus contributing to broader efforts to tackle environmental/climate change challenges.



## Explore Air, Agriculture, Energy and Water Needs in Southeast Asia

WIPO GREEN's latest matchmaking project has identified 40+ technology needs in Cambodia, Indonesia and the Philippines.

# 2018 Matchmaking project in Asia Pacific

- Funded by the government of Australia
- Collaborating with 2 local partners – Kopernik & Baydrach
- 2 phases:
  1. Identify technology needs from institutions or companies looking for technologies to solve specific environmental issues - 44 needs identified and uploaded
  2. Identify corresponding green technologies (locally or globally). Support connections and follow up; clarify finance needs and possible sources of funding - 18 potential connections, 1 letter of intent
- Matchmaking event held in Manila, the Philippines on June 4, 2018

# Licensing Checklist

---

## Licensing checklist

The WIPO GREEN Licensing Checklist [PDF](#) [DOC](#) is designed for those involved in negotiating technology transfer licensing agreements. It provides a checklist of key issues which should be considered when negotiating and concluding such contracts. The checklist is not an exhaustive resource; rather it helps provides an overview, as well as links to further information.

### Part I

Part I addresses the most relevant items to be considered when concluding a licensing agreement:

- [Section 1](#) is about the kind of agreement you are negotiating.
- [Section 2](#) is about the subject matter of the agreement, e.g. the nature of the agreement, the technology involved, which type of IP is relevant to your project.
- [Section 3](#) is about your rights as a licensee.
- [Section 4](#) is about the financial terms.
- [Section 5](#) is about concluding contract clauses, such as how the agreement can be terminated, how disputes will be addressed, how to interpret the agreement, etc.

### Part II

Part II addresses issues which concern development collaborations specifically.

### Resources and references

A list of resources and references presents a selection of links to further information.

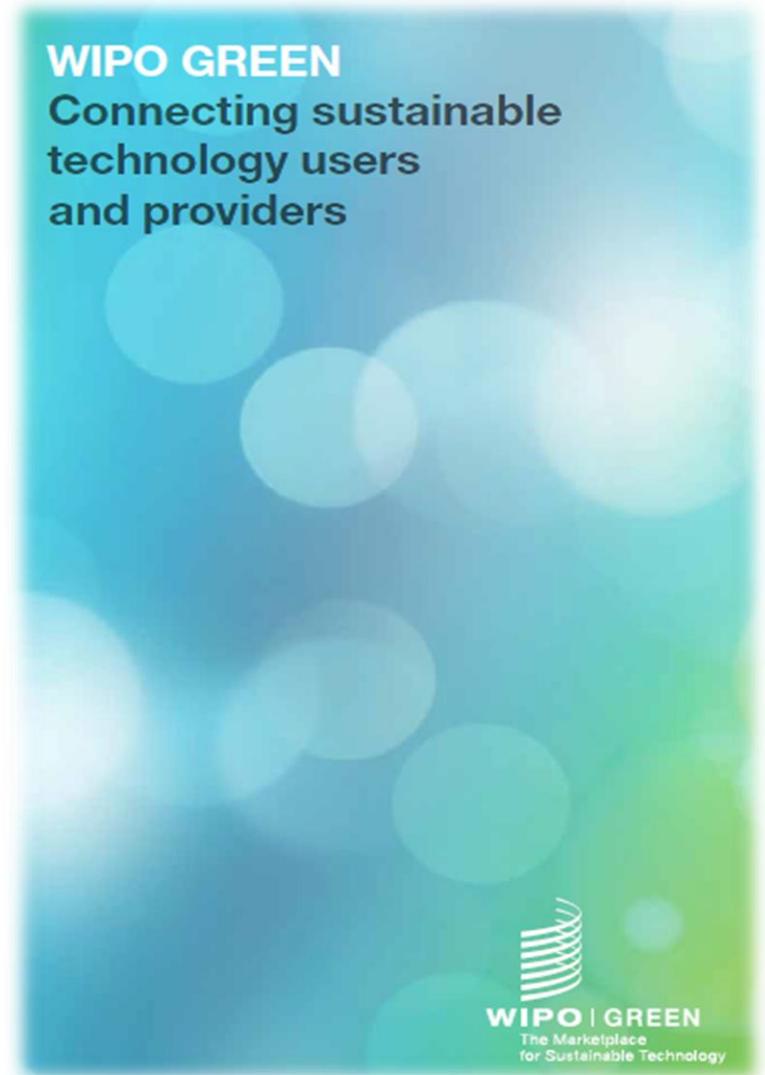
**Note:** The WIPO GREEN Licensing Checklist is neither exhaustive, nor is it a substitute for professional legal advice. You are encouraged to adapt the checklist to your own needs or concrete projects. The Checklist is published as a draft for consultation. Please [contact us](#) with any feedback.

<https://www3.wipo.int/wipogreen/en/network/index.html#licensing>

wipo.green@wipo.int

www.wipo.int/green

**THANK YOU**



**WIPO | GREEN**  
The Marketplace  
for Sustainable Technology