



CTCN Regional Forum for NDEs – Africa WIPO GREEN Presentation

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World Intellectual Property Organization (WIPO)

**Online
September 28, 2021**

www.wipo.int/green

Green technology growth outlook

(in billion euros)

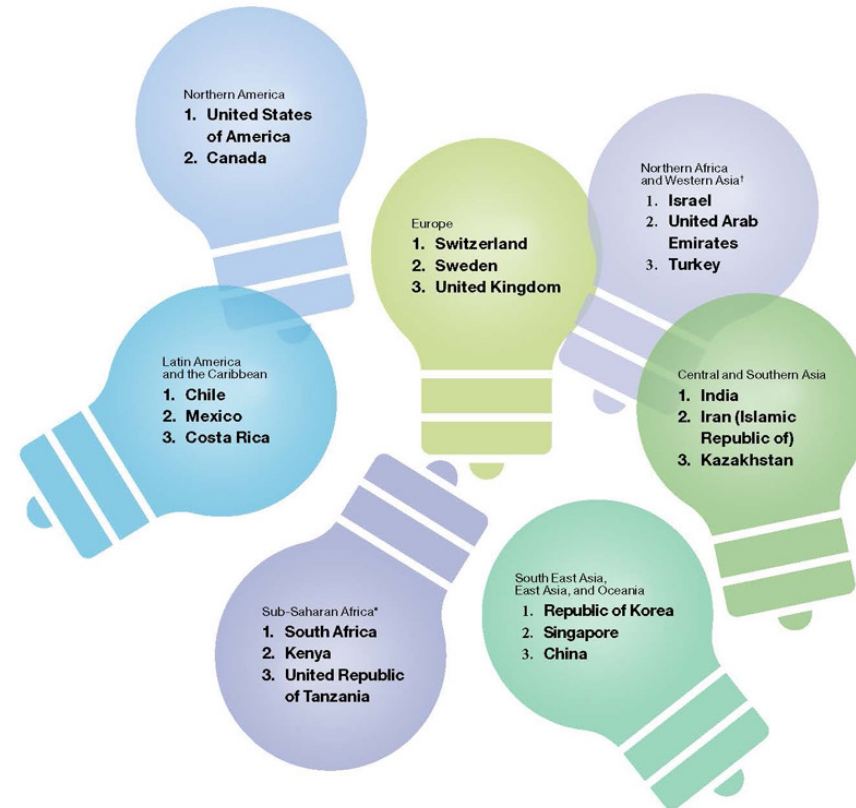


Demand for green technology is expected to grow by **7.3 percent** annually to **9,383 billion euro** in 2030



Global Innovation Index 2021

Top three innovation economies by region



Top three innovation economies by income group

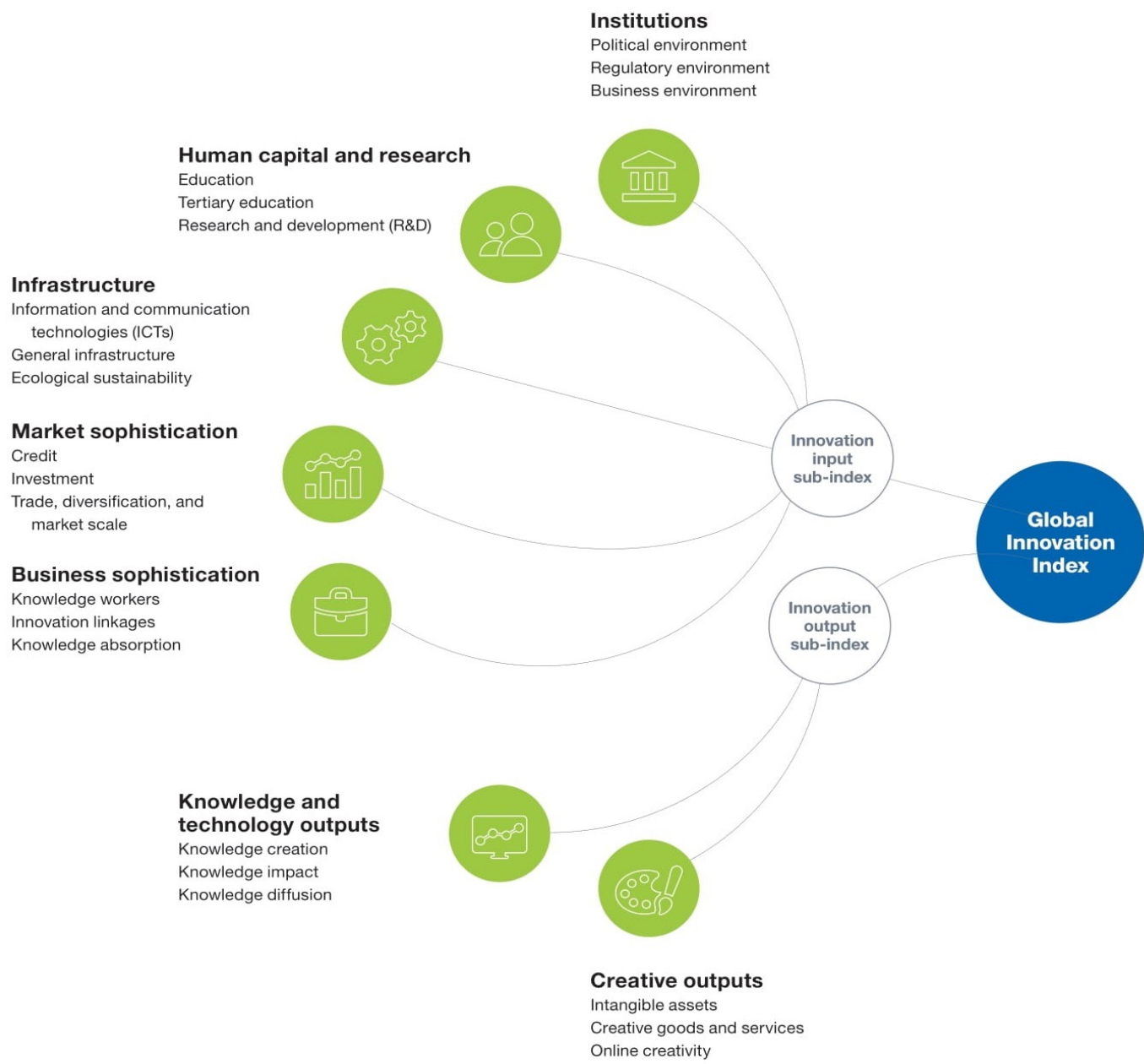
High-income	Upper middle-income	Lower middle-income	Low-income
<ol style="list-style-type: none"> 1. Switzerland 2. Sweden 3. United States of America 	<ol style="list-style-type: none"> 1. China 2. Bulgaria 3. Malaysia 	<ol style="list-style-type: none"> 1. Viet Nam 2. India 3. Ukraine 	<ol style="list-style-type: none"> 1. Rwanda 2. Tajikistan 3. Malawi

[†] Top three in Northern Africa and Western Asia (NAWA) – excluding island economies. The top four in the region, including all economies, are as follows: Israel (1st), Cyprus (2nd), United Arab Emirates (3rd) and Turkey (4th).

* Top three in sub-Saharan Africa (SSA) – excluding island economies. The top five in the region comprise Mauritius (1st), South Africa (2nd), Kenya (3rd), Cabo Verde (4th) and the United Republic of Tanzania (5th).

Source: Global Innovation Index Database, WIPO, 2021.

Notes: World Bank Income Group Classification (June 2020). Year-on-year GII rank changes are influenced by performance and methodological considerations; some economy data are incomplete (see Appendix I).



IP Rights in Africa

Less than 1% of the world's clean energy technology related patent applications from 1980 to 2009 have been filed in Africa.

(Source EPO, 2013)

Accessing protected technology

Protecting intellectual assets as an innovator

What can small- and medium-sized enterprises gain from using IP?

- SMEs with at least one registered IP right (i.e., a granted patent, a registered design or registered trademark) earn 55% more revenue per employee than SMEs with no registered IP.
- SMEs that own both patents and registered trademarks generate 75% more revenue and grow faster than their peers without IP.

(Source: EPO, 2021)

Collaboration

Leveraging micropayment technology to increase access to safe drinking water

Through this collaboration, Cubo and Susteq plan to bring safe drinking water to over 20,000 beneficiaries in Nigeria and Kenya by 2019, with the possibility to extend their impact in countries like Senegal and India in the near future.



Prices are kept down by combining the low treatment and operation cost of Cubo's equipment with the simplicity and security of the micropayment system developed by Susteq.



Thank you!

WIPO GREEN


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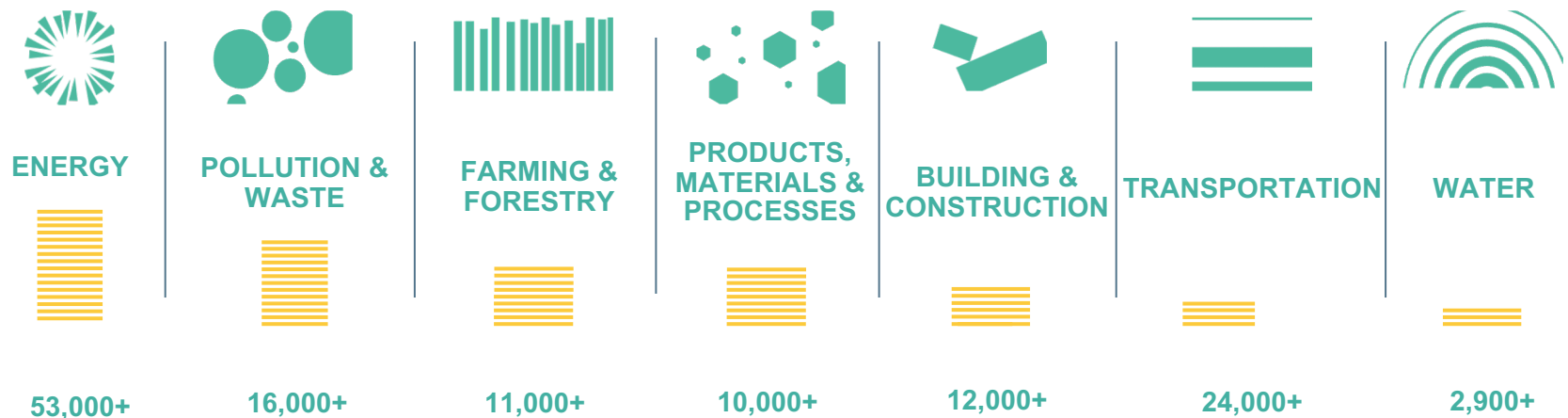
- WIPO GREEN Newsletter
- Register as a database user & upload needs and technology
- Pro bono program
- Licensing checklist and links to WIPO services (Academy, IP for Business)

Queries: wipo.green@wipo.int

WIPO GREEN Database Highlights

 **120,300+**
technologies

 **280+ needs**



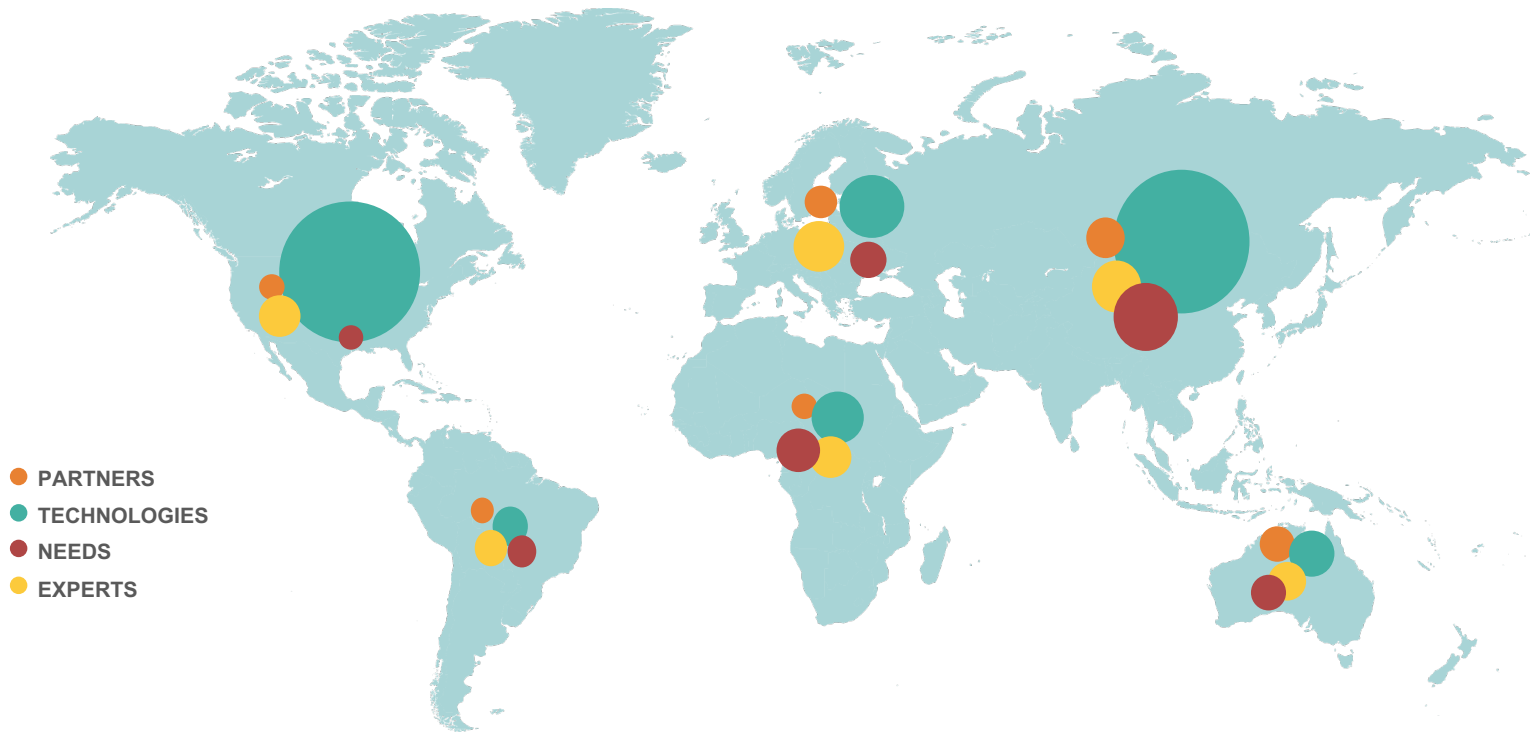
Technologies include:

- 117,000+ Patentscope imports
- 2,700+ user uploads
- 800+ AUTM imports

188 technology solutions and needs from African countries.

WIPO | GREEN
The Marketplace
for Sustainable Technology

WIPO GREEN Global – 130 partners



- PARTNERS
- TECHNOLOGIES
- NEEDS
- EXPERTS



1,800+

REGISTERED
USERS

African Agricultural Technology Foundation, Kenya
Ghana Bamboo Bikes Initiative, Ghana
Kenya Climate Innovation Center, Kenya
League of Arab States, Egypt

The Moroccan Office of Industrial and Commercial Property (OMPIC), Kingdom of Morocco
Strathmore University, CIPIT, Kenya
The Innovation Hub, South Africa

How to join WIPO GREEN

Join as a **user** and add to the global platform of technologies and needs!

- Register through the [WIPO GREEN website](#)
- Submit your [technology](#) and/or [need](#)

Join as a **partner** and engage in acceleration projects, joint publications, and Committees!

- Send us a letter with the proposed contribution and the acceptance of the Charter.
- We regularly share updates on our partners' work with the WIPO GREEN network and through WIPO social media

The screenshot displays the WIPO GREEN website interface. At the top, there is a navigation bar with links for 'Contact Us', 'TEST_2019', 'Logout', and 'WIPO'. Below this is a dark green header with the WIPO GREEN logo and tagline 'The Marketplace for Sustainable Technology'. A navigation menu includes 'Home', 'Database', 'Projects', 'Partners', 'Resources', 'Experts', and 'About Us'. A search bar is located on the right side of the header. Below the header, the main content area is titled 'Search the WIPO GREEN Database'. It features a search input field with the placeholder text 'Enter search term' and a 'Search' button. To the right of the search area is a vertical menu with the following options: 'Create Email Alerts', 'Submit a Need', 'Submit a Technology', 'My submissions', 'Edit Profile', 'Find an expert', 'List of current providers and seekers', and 'Read the database FAQs'. The 'Submit a Need' and 'Submit a Technology' options are highlighted with a black border.

Other WIPO GREEN services

- Pro bono legal advisory service for SMEs. From 2020 now with two partners: Sagacious IP and Sidley Austin LLP
- Licensing checklist
 - A walkthrough of issues to consider when planning a technology transfer licensing agreement
 - Free download at www.wipo.int/green
- IP management support
 - IP management checklist (to be published in Q4)
 - Mentoring project 2021, likely to be repeated in 2022

WIPO services for innovators

- **SMEs Entrepreneurship Support Division** : It is responsible for developing a solid platform of SME-related content in order to guide training and capacity-building activities targeted at SMEs support institutions and other intermediaries.
- **PATENTSCOPE**: Database of International Patent Cooperation Treaty (PCT) applications in full text on the day of publication. Also patent documents of participating national and regional patent offices. >90 million patents.
- **WIPO Academy**: IP education & training for WIPO member states esp. developing countries, least developed countries (LDCs) and countries in transition. Courses, diplomas, distance learning.
- **ASPI** : Access to Specialized Patent Information (ASPI) program is a public-private partnership administered by WIPO and made possible through cooperation with leading patent information providers.
- Publications, case studies, handbooks, guidelines on IP, licensing
- SME-related content, training, and capacity-building...

WIPO services for inventors

Developing Countries

- **TISCs:** The WIPO Technology and Innovation Support Center (740) program provides innovators in developing countries with access to locally based IP information and related services
- **ARDI:** The Access to Research for Development and Innovation (ARDI) program is coordinated by WIPO together with its partners in the publishing industry with the aim to increase the availability of scientific and technical information in developing countries
- **IAP:** Inventor Assistance Program (IAP). Joint initiative of WIPO and the World Economic Forum. Helps under-resourced inventors and small businesses in developing countries get patent protection. IAP matches inventors with patent attorneys on pro bono basis.