Celebrating 10 years of WIPO GREEN

Green Technology solutions for emission reduction in the Asia-Pacific: an international perspective

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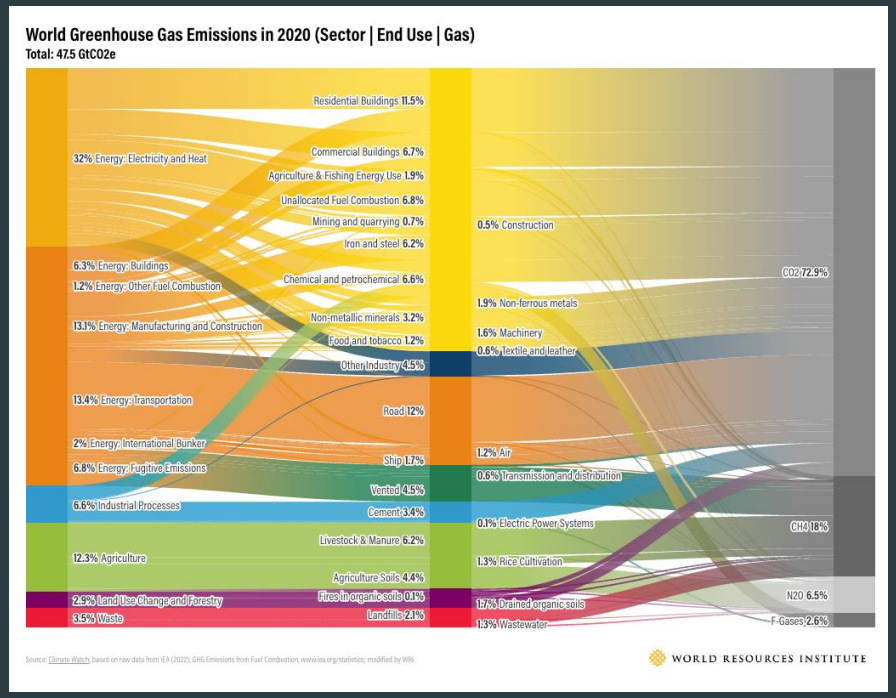
Emissions reduction requires holistic, inclusive solutions



- Energy, agriculture, water and waste management and other sectors
- Unique requirements of private and public enterprises, SMEs and local communities
- Feasibility and bankability of solutions
- Locally available technologies
- Resilience to future challenges
- Culture dimension

WIPO GREEN

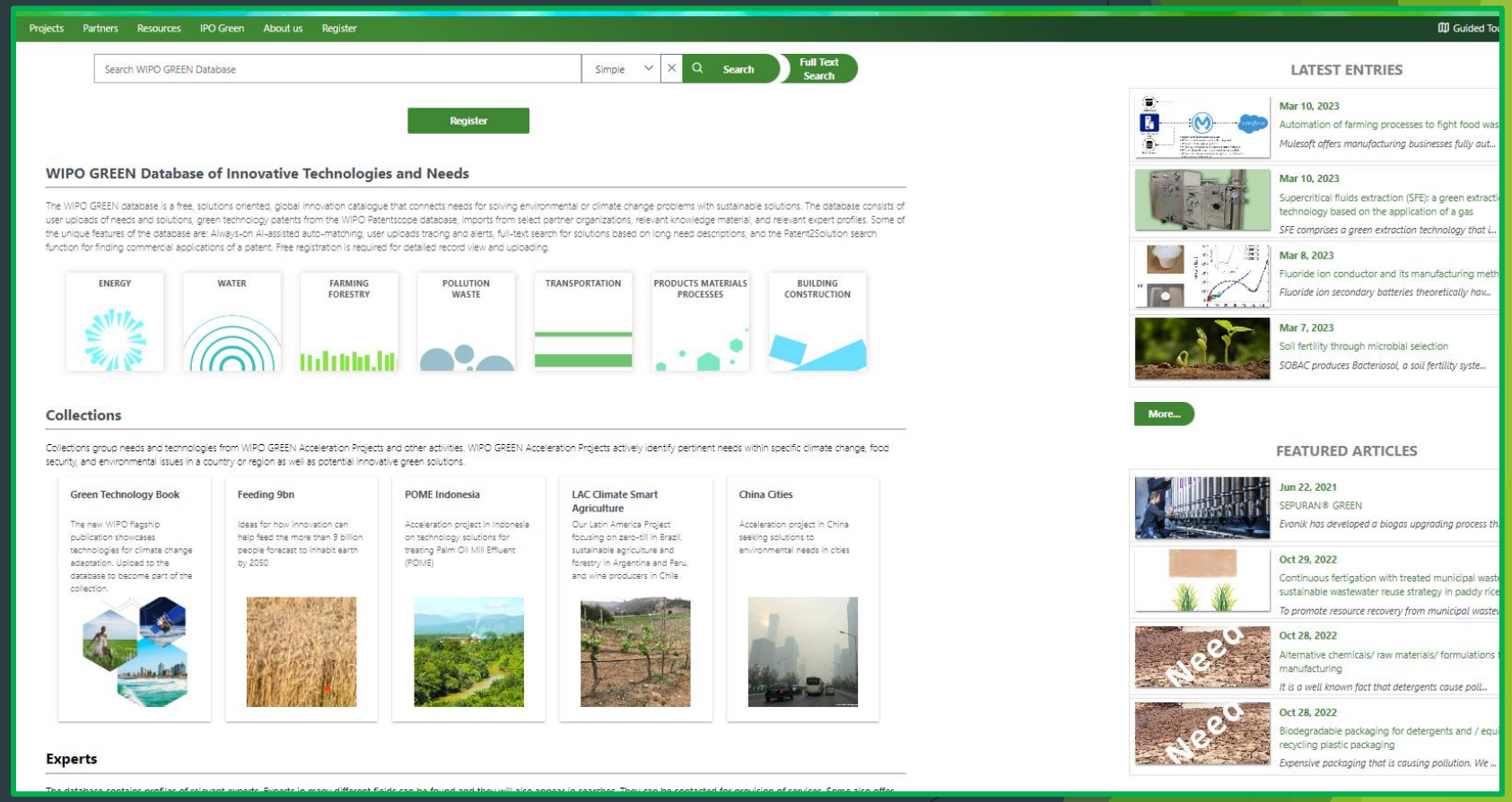
- An online marketplace that connects providers and seekers of sustainable technologies.
- Closing the knowledge gap and accelerating green innovations via matching needs and technologies
- Strong team with diversified international experience and education in IP, science, international development, project management, technologies, trade and finance.

How Do We Assist

- Identify needs and needs owners
- Search and evaluate relevant technologies
- Understand barriers, limitations and costs
- Help to select technology and build a feasible solution
- Implementation support: negotiations, business models, partners, finance and IP rights, etc.
- Provide organizational and communication support in implementation
- Stimulate dissemination of successful solutions to other affected communities

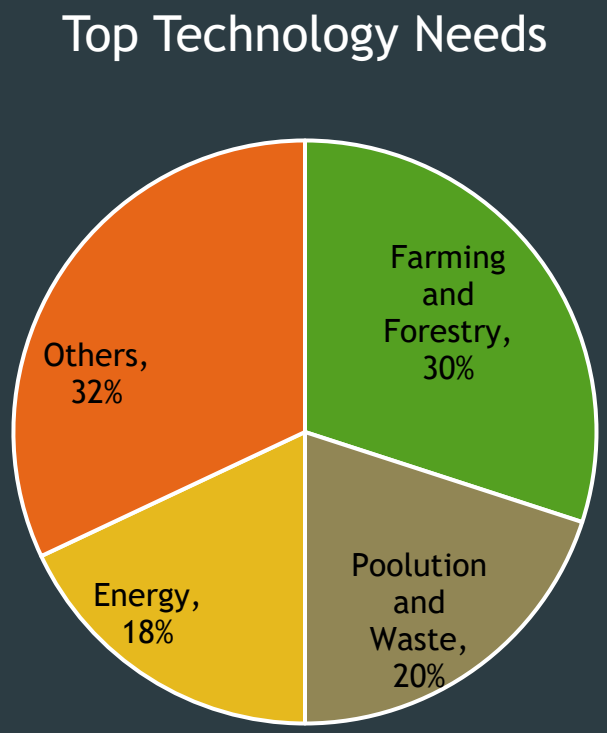
WIPO GREEN Database

- Free UN-based public database
- The central repository of innovative green technologies and needs
- Automatic matchmaking
- 129.000 articles
- 3900 user uploads
- Simple registration and upload
- No fees
- Integrated experts database
- No fees
- Search “WIPO GREEN” and go to the database



Needs and Need Owners

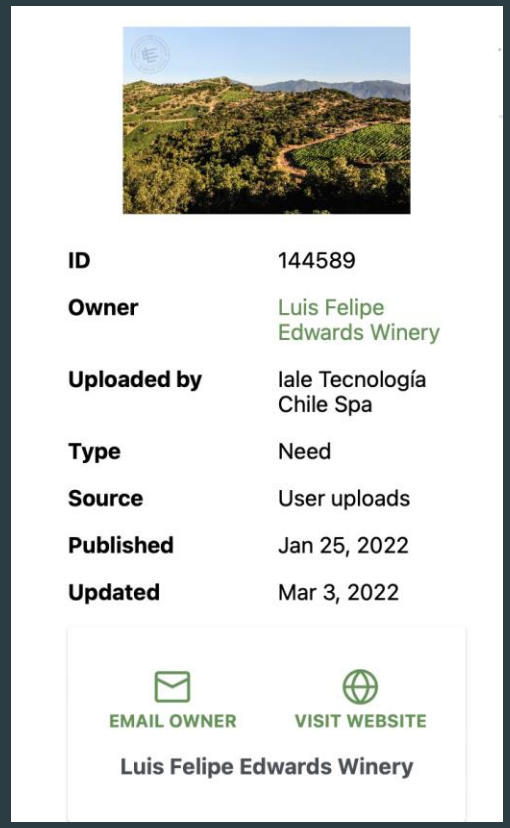
- The needs that have climate change mitigation/adaptation relevance will have priority.
- The needs sources include, businesses, farms, public institutions, NGOs, associations, etc.
- The need owner can remain anonymous in the database if desired.



Example of Need and Need Owner

Reduction of carbon dioxide emissions from soil and CO2 sequestration systems to the wine industry

- In the wine industry, the highest CO2 emissions are by electricity (Scope 2) and CO2 emissions from the soil (Scope 1).
- The purchase of clean energy (solar, wind, and others), is not enough to achieve the goals of reducing the carbon footprint of the "Science-Based Targets" initiative planned for 2030.
- Other measures to reduce CO2 emissions are urgently needed.



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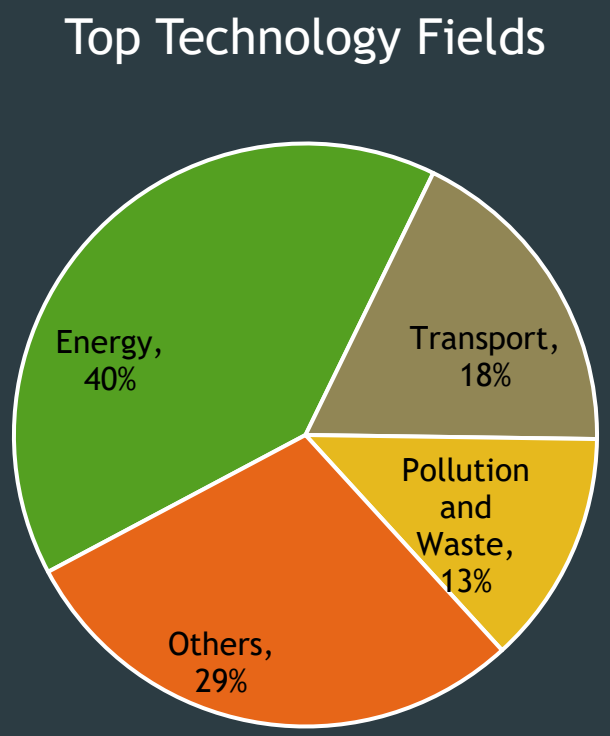
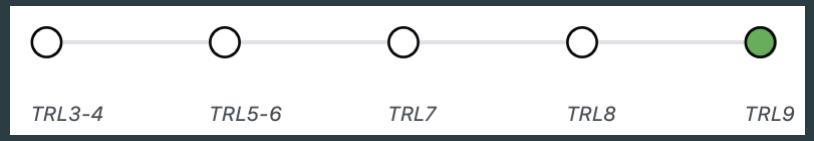
Technologies



- Local or foreign,
- New or traditional,
- From a private or public institutions
- Relevant and sustainable
- Ready for implementation

Example of Technology. Direct-seeding of rice (DSR).

- alternative to Asia's most dominant method, known as "wet" puddled transplanted rice (PTR)
- saves on labor, water (16-38%), cost of cultivation, and increases net income without yield penalty.
- reduces CH4 emission by 30-98% especially dry-DSR.



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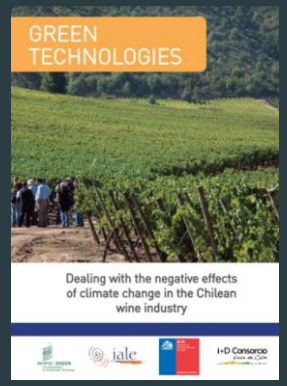
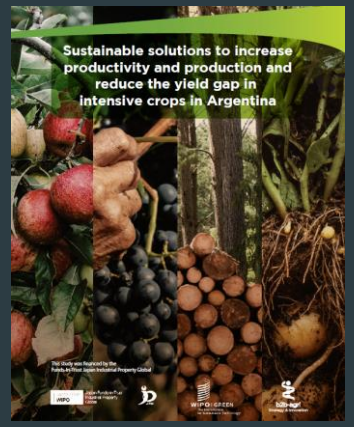
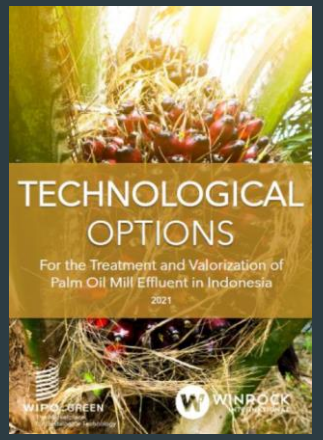
Catalogues of needs and technologies

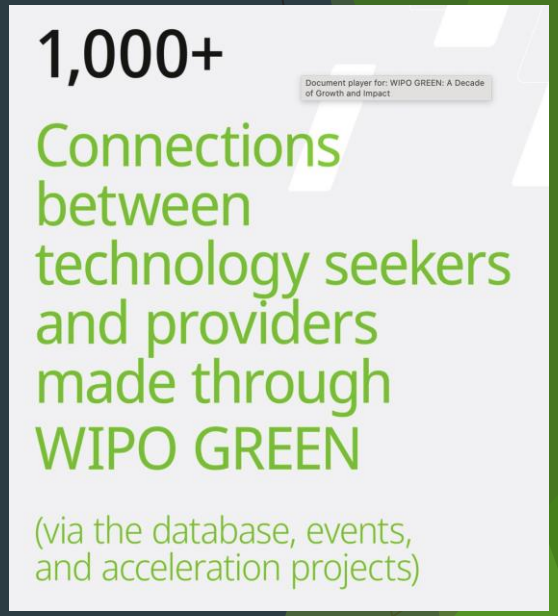






Focused Matchmaking Activities

Action	Result
Identify needs and establish relations to the need owners	Needs uploaded to database
Understand need, barriers, limitations, feasible cost levels	Detailed need description
Identify suitable solutions and present to need owner	Tailored technology material
Facilitate meetings / exchange between need owner and technology providers	Reporting, MoUs. Etc.
Support negotiations, defining structures, stakeholders engagement	Activity reporting
Assist in Project development e.g. contracts, IP, funding	Project material
Implementation support	Documentation

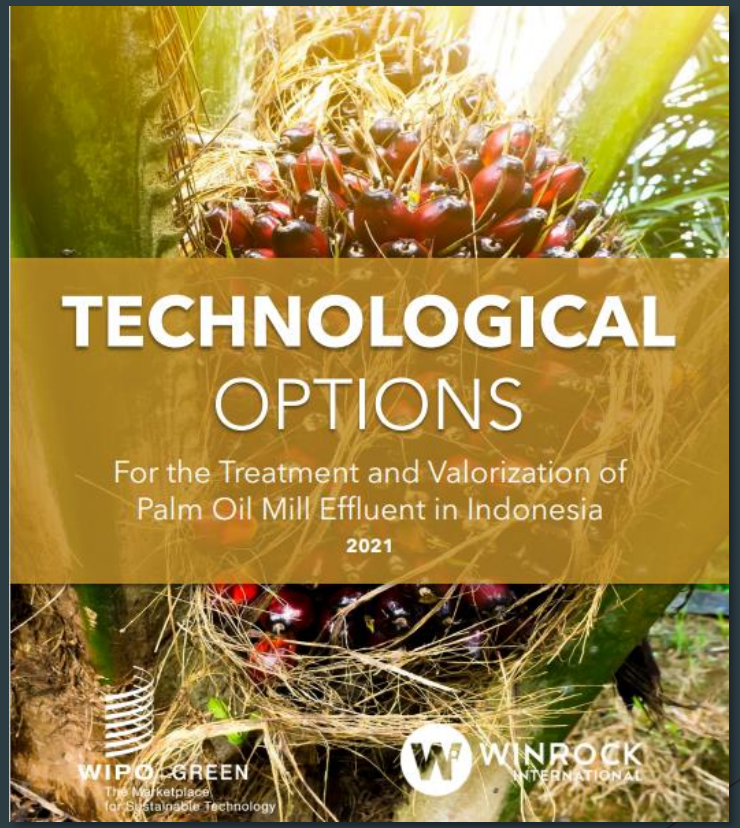


Acceleration Projects: The Globally Proven Model

- In 2023-24 WIPO GREEN initiates projects in
  - Central Asia
  - South Asia
  - Africa
- Key sectors:
  - Conservation Agriculture
  - Water,
  - Pollution and Waste
  - Energy
  - Smart City

Acceleration Project Example: Treatment And Valorization of Palm Oil Effluent in Indonesia

- Technological Options:
  - Methane capture
  - Biogas
  - Solid separation for fertilizer
  - Biochar, biodiesel
  - Biohydrogen
- Launched early March 2021 with Winrock International
- Direct collaboration with palm oil mills
- Solutions-oriented technology catalogue



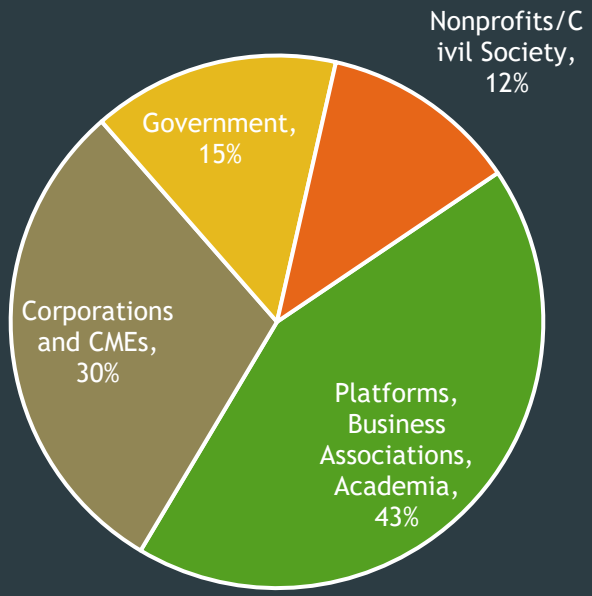
Recent Example: Tajikistan

- Start-up phase launched in 2023
- Identifies needs related to water supply and technological solutions feasible and resilient in mountainous, seismic zone
- Direct work with key stakeholders on-site
- Matchmaking and implementation support
- Dissemination of successful solutions in Tajikistan and beyond

Growing Network of Partners

- 150+ partners enhance geographic reach and impact:
  - Contribute insights and expertise
  - Support business cases
  - Provide access to finance
- The franchising program will elevate global reach and potential

WIPO GREEN partners: main sectors



Future Model Expansion

- New Geography
- Technical Assistance
- Raising Finance
- Partnerships and franchising
- AI tools

How do you engage with WIPO GREEN?

- Need owners
- Technology provides
- Potential Partners
- Investors
- Consultants

Register to be a WIPO GREEN user and upload your technology needs and solutions.

Search for technologies and needs on our database.

Connect technology seekers and providers.

wipo.int/green