



Technology Marketplace and Matchmaking Platform: WIPO GREEN

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www.wipo.int/green

Overview

- Turning ambition into action
- Innovation and technology can help meet the challenges
- Contribute to SDGs
- Uptake too slow
- Information about available solutions



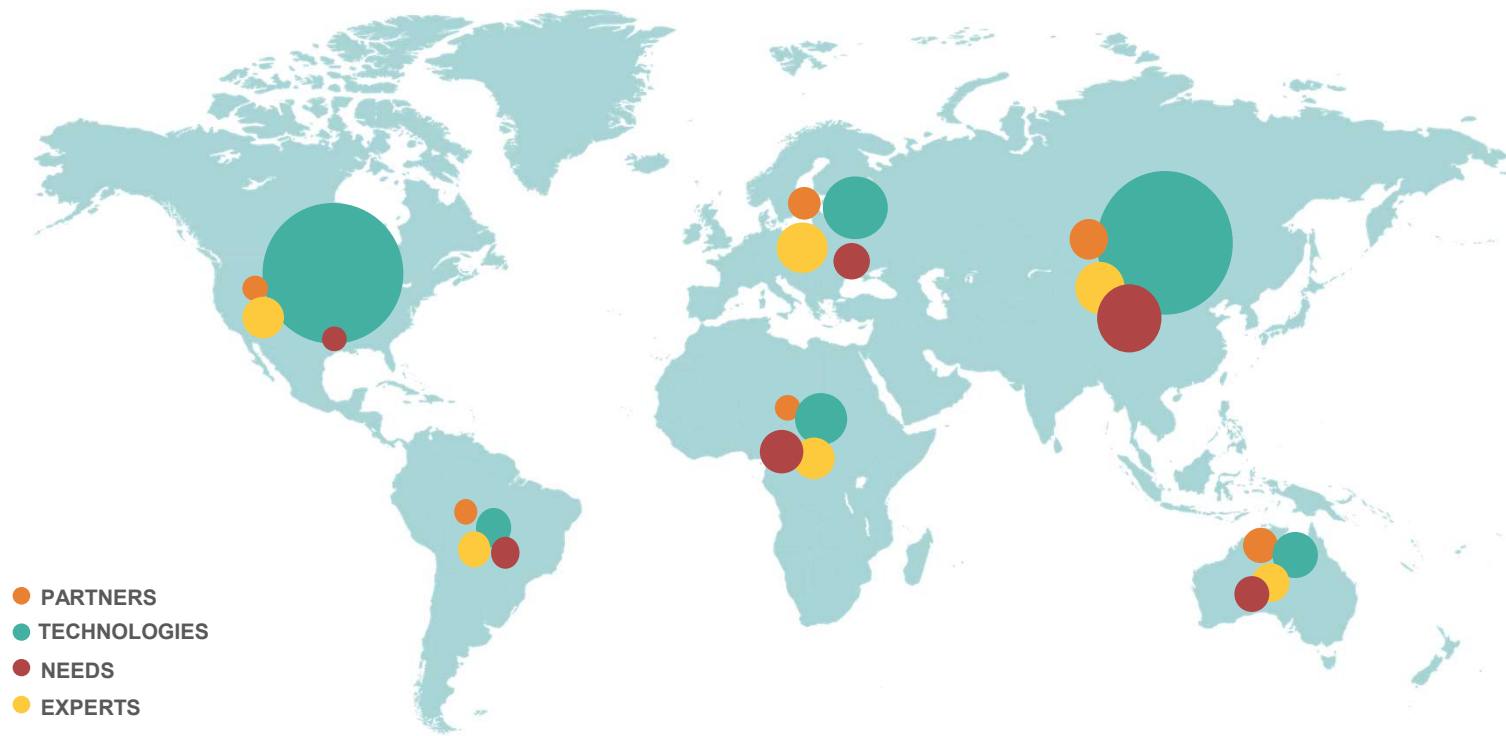
WIPO GREEN



Online platform for accelerated adaptation, adoption, and deployment of green technology solutions

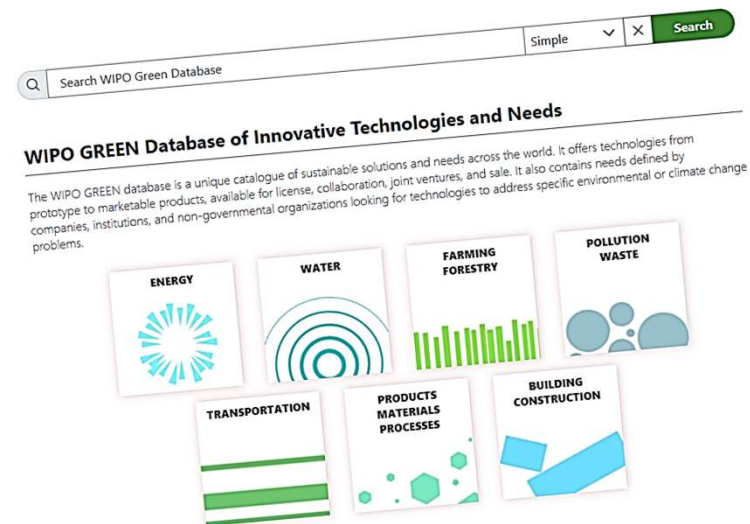


Connects seekers of environmentally sustainable solutions with technology and service providers



WIPO GREEN Database

- needs and solutions uploaded by different users
- green technology patent applications from the WIPO Patentscope
- imports from select partner organizations
- relevant knowledge material



WIPO GREEN STATS

120,000+ Technologies, needs and experts (*3,750+ in 2020*)

2,065 Registered users (*1,717 in 2020*)

800+ Connections (*770+ in 2020*)

WIPO | GREEN
The Marketplace
for Sustainable Technology

Browse, search & filter

The screenshot displays the WIPO Green Database interface. At the top, there is a search bar with the text 'Search WIPO Green Database' and a 'Search' button. Below the search bar, there are navigation controls showing '1 of 384' and '3836 results'. The main content area shows search results for 'Sustainable Data Storage' and 'Grid-edge hardware & software energy technology platform'. A sidebar on the left contains filter options for Source, Type, and Energy. A 'Saved Searches' table is visible at the bottom left, listing search results with columns for Id, Caption, and Type.

Id	Caption	Type
20376	Air clean	SIMPLE
20267	Anagea	SIMPLE
20266	anagea	SIMPLE

Start over a new search.

- Category pages
- Searches
 - Simple and advanced
 - Full text search (AI-assisted search)
 - Saved searched + alerts
- Patent2solution (AI assisted search)
- Filter options

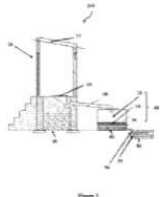
Connect

- Contact owner for user uploads
- User dashboard with your uploads, business intelligence analytics, connection requests
- Automatic matches with relevant needs and technologies
- Bookmarks

Similar Submissions


Technology Patentscope Need User uploads Knowledge material AUTM

POLLUTION & WASTE > RECYCLING & REUSE | FARMING & FORESTRY > IMPROVED FARM INPUTS

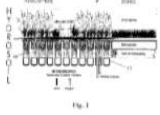


TOILET SYSTEM OFFERING SAFE AND COMPLETE WASTE TREATMENT IN DIFFICULT TERRAIN

Disclosed is a toilet system (100) offering safe and complete waste treatment in a difficult terrain that comprises of a toilet facility (20) inserted into a platform (40), a digester (80) housing a primary vermifilter (60) and a secondary drainage bed (90) that are configured based on ground conditions. The primary vermifilter (60) includes an active zone (52) for digesting effluent, a worm bed (54) with biomedica and a filtration bed (56) with drainage media. The primary vermifilter (60) is hou ...


Owner: BEAR VALLEY VENTURES
Uploaded by: WIPO GREEN Import
Type: Technology
Source: Patentscope 
Published: Dec 13, 2018
ID: 30324

POLLUTION & WASTE > WASTEWATER TREATMENT



A FLOATING PLANT BED FOR BIOLOGICAL WATER TREATMENT

The invention regards a biological bed (10) mimicking a structure of a natural community of aquatic and terrestrial plants with inhabiting invertebrates. It comprises a prefabricated extendable flat tubular net blanket structure, and a tube (12) in the flat net structure containing a pre-designed fine-mesh netting (14) inside, to support and secure development of plant roots, while offering a large extended surface for biofilm development.

Owner: PHYTOHYDROLOGY EUROPE AB
Uploaded by: WIPO GREEN Import
Type: Technology
Source: Patentscope 

Relevant Collections

↑↓ Collections ▾

POME Indonesia

More

Related uploaders

↑↓ Company ▾

BEAR VALLEY VENTURES

PHYTOHYDROLOGY EUROPE AB

PLANETARY EMISSIONS MANAGEMENT

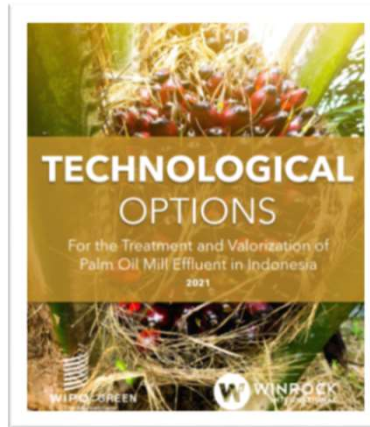
BRITISH NUCLEAR FUELS PLC

ARCHER-DANIELS-MIDLAND COMPANY

McELROY, Richard, Lee

COMMISSARIAT A L'ENERGIE ATOMIQUE ET

Acceleration projects



Latin America

- Climate smart agriculture exploring local challenges and potential green solutions.
- Sustainable agriculture, forestry, soil-recarbonization, zero-till, wine sector.
- Around 200 stakeholders contacted, 10 needs, 81 technologies.

Indonesia

- Palm oil mill effluent (POME) in Indonesia identified 19 needs and 24 potential solutions.
- Catalogue on technological options for the treatment and valorization of POME, including biogas utilization, scum and sludge treatment, compost, biochar production, green hydrogen



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Need & technology matched

Database Projects Partners Resources Experts About us

23733 23727 Simple X Search Full Text Search

<< < 1 of 1 > >> 10 4 results Sort by Relevance X JF

POLLUTION & WASTE > SOLID WASTE TREATMENT | FARMING & FORESTRY > SOIL IMPROVEMENT | ENERGY > BIOMASS/BIOENERGY

EFB (Empty Fruit Bunch) coming from palm oil processing is not treated and generates emissions. FEATURED

EFB composting technology provider

Owner: Palm Oil Mill 2
 Uploaded by: ade sri rahayu
 Type: Need
 Source: User uploads
 Published: Jun 19, 2021
 Deadline: Dec 30, 2021
 ID 23733


POLLUTION & WASTE > RECYCLING & REUSE | POLLUTION & WASTE > SOLID WASTE TREATMENT | POLLUTION & WASTE > WASTEWATER TREATMENT | POLLUTION & WASTE > WASTE AVOIDANCE

EFB Aerobic Decomposition System

Indimira supports sustainable palm oil by decomposing palm oil wastes aerobically. Indimira Aerobic Decomposer technology can process empty fruit bunches and POME into materials that can benefit the soil as organic fertilizers. The aerobic decomposition process does not produce methane gas.

The process is divided into 2 steps. First, mix 1 liter of liquid aerobic decomposer with 15m3 of POME in a pond. Arrange 4 tons of empty fruit bunch in the form of a pyramid with an area of about 1m x 4 m x 1 ...

Owner: PT INDMIRA
 Uploaded by: ade sri rahayu
 Type: Technology
 Source: User uploads
 Published: Jun 13, 2021
 Readiness level (TRL): Scaling up (TRL 9)
 Developed in: Indonesia
 ID 23727



Trying to solve an environmental or climate change problem?

Your options on WIPO GREEN:

- Browse available technologies
- Use free text search and upload project document, save search/set email alert
- Register and contact providers
- Share your needs on database - Invitation to solution providers to respond to your needs
- Find corresponding technologies in your dashboard, contact providers

Sample need

Anaerobic digester effluent separation technology

POLLUTION & WASTE > WASTEWATER TREATMENT | POLLUTION & WASTE > RECYCLING & REUSE



Description Details Other Information Support

ID	23663
Owner	PT Bangka Biogas Synergy
Uploaded by	Winrock International
Type	Need

This is a biogas power plant with an installed capacity of 2 MW. The POME is supplied from a mill with a capacity of 35 tons per hour. There is an issue with anaerobic digester effluent that flows to the mill's existing wastewater treatment ponds. The sediment accumulation in the ponds was quicker than the of use conventional POME treatment when fresh POME from the mill is flowing directly to the open ponds. Nevertheless, the final effluent quality has no issue with the regulatory discharge limit. The final effluent is used for land application. The mill is interested in separating sludge/cake from effluent water. Digester effluent cake will be used for fertilizer, while the effluent will be used for land application or to be treated further by water purification so that it can be recycled back to the palm oil processing plant, whenever required. The cake quality should be analyzed further whether the mineral contents are equivalent to fertilizer so it can be used on the plantation. In the dry season, the mill is short of water. If the final effluent can be processed and recycled back to the mill then it can support palm oil production during the dry season.



Need description

- Describe the technical problem. [E.g. arsenic problem in drinking water, plastic clogging up irrigation canals, etc.]
- Where is the technology going to be used?
- What type of technology transfer are you looking for? - Licensing, buying products, technical assistance, trading partner
- Have you gained any experience from attempting to solve the problem?
- Is there any existing support (financial and technical from companies, government, etc.)?
- Existing infrastructure and limitations (electricity, road, rail, etc.)

Innovators - Services and tools for start-ups and SMEs

- **Pro bono IP and legal advisory service for green technology SMEs in developing countries**
 - With two partners: Sagacious IP and Sidley Austin LLP
 - Application form on www.wipo.int/green
- **Licensing checklist**
 - A walkthrough of issues to consider when planning a technology transfer licensing agreement
 - Free download at www.wipo.int/green
- **IP management checklist**
(December 2021)



IP management clinic – green products

- Expert advice for selected green tech SMEs
- June 2021 and again in 2022
- Program with colleagues from IP for Business Division

What have we learned?

- Classic challenges, e.g. unclear business models, misalignment between business aspirations and IP strategy, unclear IP ownership
- Green technology often technology-based, IP other than patents often overlooked (trademarks, designs, utility models, trade secrets)
- Branding opportunities – often innovative products that outperform conventional technology
- Sometimes focus on “green” side, neglecting business
- Favorable policy and finance environment for green technology

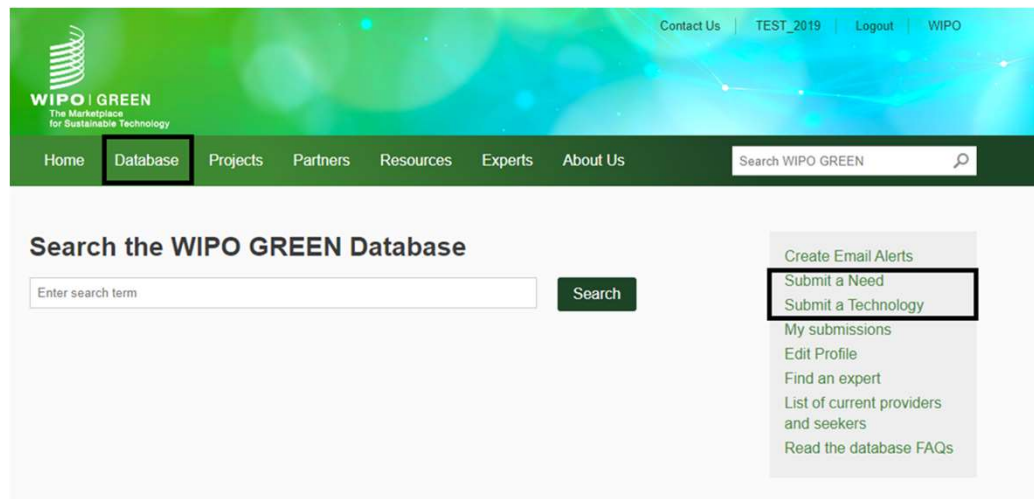
How to join WIPO GREEN

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 shows 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 the 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, there 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.

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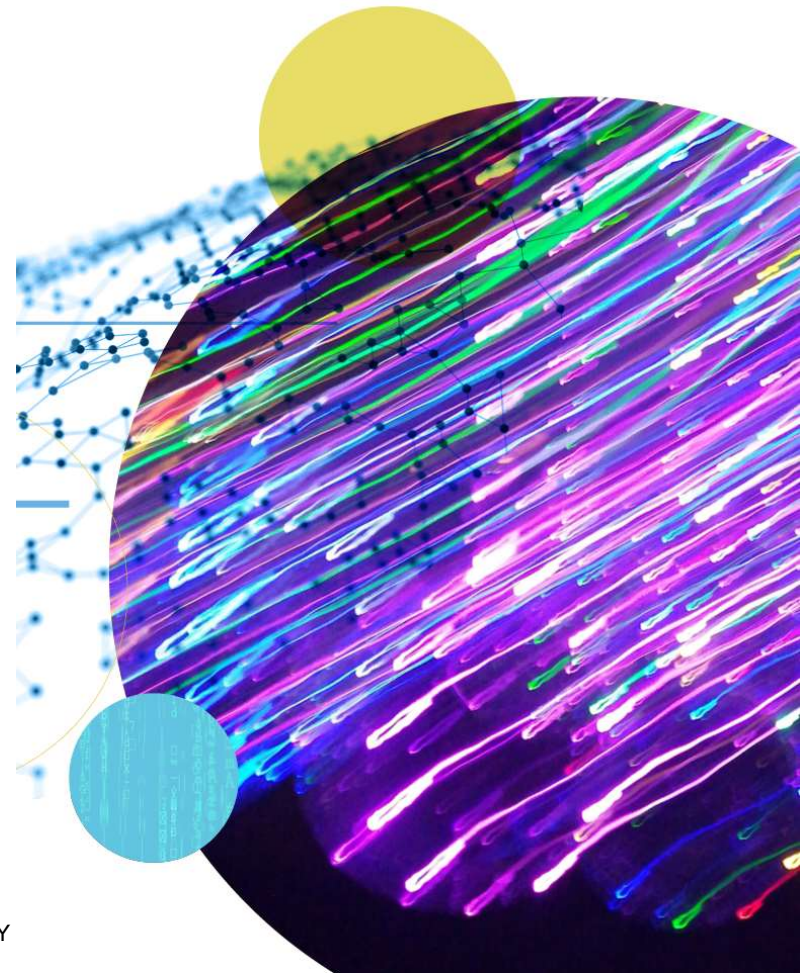


Looking ahead

- Address technology challenges in the transition to a green economy
- Support developing country innovators
- Improve access to funding by connecting entrepreneurs with investors for connections established through WIPO GREEN
- Facilitate new ways of innovating together
- Encourage demand-driven innovation

Role for TISCs

- Leverage local knowledge and local networks to identify environment, climate change and food security needs – WIPO GREEN can help address them
- Connect green innovators with the WIPO GREEN network – visibility, potential partners, customers etc.





Thank you!

WIPO GREEN

Queries:

wipo.green@wipo.int

Further information:

www.wipo.int/green

[WIPO GREEN Newsletter](#)

[Register as a database user](#)