



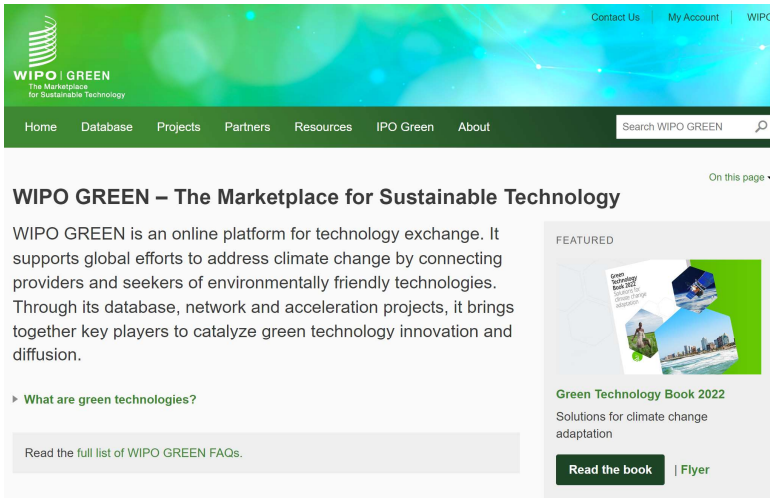
**WIPO GREEN Introduction and tools
Adaptation Fund
Johannesburg, September 20, 2024**

Peter Oksen, PhD. Green Technology and Research Manager
WIPO GREEN
Climate Change and Food Security Unit
peter.oksen@wipo.int

www.wipo.int/green

World Intellectual Property Organization (WIPO) and WIPO GREEN

- WIPO, UN agency for innovation, creativity and intellectual property (IP)
- WIPO GREEN - Technology matchmaking platform
- Connects needs with green technologies and solutions for global challenges



The screenshot shows the WIPO GREEN website homepage. At the top, there is a navigation bar with links for 'Contact Us', 'My Account', and 'WIPO'. Below this is a search bar labeled 'Search WIPO GREEN'. The main content area features the title 'WIPO GREEN – The Marketplace for Sustainable Technology' and a brief description: 'WIPO GREEN is an online platform for technology exchange. It supports global efforts to address climate change by connecting providers and seekers of environmentally friendly technologies. Through its database, network and acceleration projects, it brings together key players to catalyze green technology innovation and diffusion.' A 'FEATURED' section highlights the 'Green Technology Book 2022' with the subtitle 'Solutions for climate change adaptation' and a 'Read the book | Flyer' button. A footer section contains the text 'Read the full list of WIPO GREEN FAQs.'



WIPO Green Technology Book

A catalogue of more than 700 climate technologies



1st edition: climate adaptation technologies
2nd edition: climate mitigation technologies
3rd edition: Energy technologies in Climate Change

>900 solutions – ranging from local and indigenous people's techniques to advanced and digital climate technologies

>1,3 million unique visitors
>60.000 full book downloads

A free, digital-first publication
A source of technological inspiration
A matchmaking tool
A living collection



WIPO

Green Technology Book Full Collection

The new WIPO flagship publication showcases climate change technologies. Upload to the database to become part of the collection.

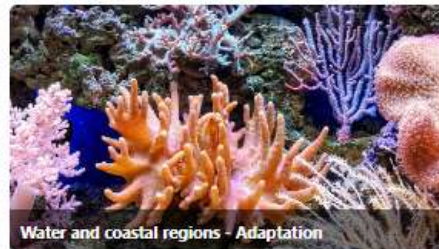


Upload to the database to become part of the Collection. If not registered, become a WIPO GREEN Database user.

[Register](#)



Green Technology Book - Climate Change Adaptation



Green Technology Book - Climate Change Mitigation



The **WIPO Green Technology Book** is a compilation of proven technologies and latest innovations from the WIPO GREEN database. All solutions in the book are linked to the database where technology providers can be contacted. Technologies in the book and many more have their special collection in the database. There are two editions of the Green Technology Book: on climate change adaptation technology released in November 2022, and on climate change mitigation technologies released in December 2023. The books cover selected sectors as can be seen on this page.

WIPO

Database collection – Adaptation


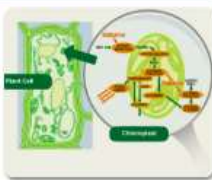












Healthy soils



Adapting soils to the impacts of climate change such as erosion, salinity and reduced moisture content is imperative for a resilient agriculture sector. There is a wealth of knowledge among farmers all over the world on how to maintain healthy soils, from no-till farming and cover crops to the use of fertilizers and composting.

Proven Frontier Horizon

 <p>Pyrolysis</p> <p>PT Organics Bali</p>	 <p>Balsamo: Improved Nitrogen Fertiliser ...</p> <p>Via Vegetale</p>	 <p>Safi Organics</p> <p>Safi Organics Ltd.</p>	 <p>Agroforestry and integrated farming ...</p> <p>ICRAF (World Agrofor...</p>	 <p>Biostimulant to improve plant and soil health</p> <p>Fytoko</p>	 <p>Biological stimulation of plant growth and ...</p> <p>AgriBest</p>
 <p>Regenerative agriculture certificate</p> <p>Regenerative Organic...</p>	 <p>Mix of cover crops in no-till in organic vegetables</p> <p>Universidade Federal...</p>	 <p>Produce Organic Grade Fertilizer, Soil ...</p> <p>VATA VM Synergy (M) ...</p>	 <p>Regenerative soil booster</p> <p>Sabon Sake</p>	 <p>Root zone additive for moisture uptake</p> <p>Hydretain</p>	 <p>Bokashi Bran</p> <p>Bokashi Bran</p>

WIPO

WIPO GREEN Database a central tool



- Free UN-based public database
- Inclusive and accessible (164 languages, mobile devices)
- Major repository of innovative green technologies and needs
- AI-based automatic matchmaking
- 130.000 articles, 5000 user uploads
- Unique AI-based search functions
- Simple registration and upload
- No fees
- No requirement for patents or other IP rights

The screenshot shows the WIPO GREEN Database website interface. At the top, there is a navigation bar with links for Projects, Partners, Resources, IPO Green, About us, and Register. Below this is a search bar with a search button and a 'Full Text Search' option. A 'Register' button is also visible. The main content area is titled 'WIPO GREEN Database of Innovative Technologies and Needs' and includes a brief description of the database. Below this, there are several category icons: ENERGY, WATER, FARMING FORESTRY, POLLUTION WASTE, TRANSPORTATION, PRODUCTS MATERIALS PROCESSES, and BUILDING CONSTRUCTION. The 'Collections' section features five featured items: Green Technology Book, Feeding 9bn, POME Indonesia, LAC Climate Smart Agriculture, and China Cities. The 'Experts' section is partially visible at the bottom.

The Marketplace for Sustainable Technology

Simple keyword search

WIPO GREEN
The Marketplace for Sustainable Technology

Home Database Projects Partners Resources Experts About us

Dashboard WIPO

solari

Simple Search Full Text Search

Filter << User uploads

1 of 2236 10 22351 results

Sort by Relevance

Search in filters

Reset all

Source

- Patentscope (21793)
- User uploads (357)
- AUTM (201)

Type

- Technology (22307)
- Need (41)
- Knowledge material (3)

Collections

- Transportation (1894)
- Energy (15835)
- Water (727)

ENERGY > SOLAR

Kanazawa Institute of Technology: Solar power generation system, solar power generation management method, and program

The solar power generation system has a power generation prediction unit that predicts the amount of power generated by the solar panel based on weather information for the region including the installation site of the solar panel, a power generation acquisition unit that acquires the amount of power generated by the solar panel, and a failure possibility diagnosis unit that determines the possibility of failure of the solar panel based on the amount of power generated predicted by the power gen ...

Owner Kanazawa Institute of Technology

Uploaded by SUWA YORIMASA

Type Technology

Source User uploads

Published Mar 22, 2021

Readiness level (TRL) Proof of concept (TRL 3-4)

Developed in Japan

ID 20583

ENERGY > SOLAR

INTEGRATED SOLAR PANEL

A solar panel (400) is disclosed that can be daisy-chained with other solar panels (100a-n). The solar panel (400) automatically generates output alternative current (AC) power (195) that is in parallel with input AC power (112) coming into the solar panel (400) when the solar panel (400) senses the input AC power (112) so that the solar panel (400) operates as a slave in this state. The solar panel (400) automatically generates standalone AC output power (195) when the solar panel (400) fails ...

Owner SUNCULTURE SOLAR INC.

Uploaded by WIPO GREEN Import

Type Technology

Source Patentscope

Published Sep 18, 2014

ID 37233

ENERGY > SOLAR

INTERCONNECTED SOLAR CELLS

Interconnected solar cells include a first solar cell and a second solar cell connected by a wire with a coefficient of thermal expansion matched to the first solar cell's coefficient of thermal expansion.

Owner EVERGREEN SOLAR, INC.

Uploaded by WIPO GREEN Import

Type Technology

Source Patentscope

Published Mar 6, 2008

List of search results

The screenshot shows the WIPO GREEN search results page. The search criteria are 'Field: Biomass/Bioenergy' and 'User uploads'. The results are sorted by 'Published date' and show 4263 results. Two results are visible:

- Hydrogen Sulfide Bio-scrubber** (ID 138648):
 - Owner: PT Organics Bali
 - Uploaded by: ade sri rahayu
 - Type: Technology
 - Source: User uploads
 - Published: Sep 6, 2021
 - Readiness level (TRL): Scaling up (TRL 9)
 - Developed in: Indonesia
- Biogas Upgrading & Distribution (CBG)** (ID 138647):
 - Owner: SAFE S.p.A.
 - Uploaded by: ade sri rahayu
 - Type: Technology
 - Source: User uploads
 - Published: Sep 6, 2021
 - Readiness level (TRL): Scaling up (TRL 9)
 - Developed in: Italy

■ Thumbnails, sorting, book marks

Details of a technology or need

TestAgro NutriCheck Max

FARMING & FORESTRY > FARMING TECHNOLOGIES

ID 148636
Owner Teste Agro
Uploaded by BioActiva
Type Technology
Source User uploads
Published Sep 5, 2023
Updated Sep 5, 2023

[EMAIL OWNER](#) [VISIT WEBSITE](#)

Contact the provider

Message* (Maximum 4000 characters)

From

Name: WG WIPO GREEN Admin
Email address: wipogreen.admin@wipo.ir
Company Name: WIPO GREEN Admin

Some of Our Clients

Federal Stoller Saint Mary's University AXIOS RESEARCH

Have you initiated contacts or technological transfer agreements? The WIPO GREEN database is a free resource, but please help us by [letting us know](#) the database.

Full-text AI-Assisted Search

The image displays two sequential screenshots of a search interface titled "Full text".

The top screenshot shows the "Query text" step (step 3 of 4). The "Introduction" step (1) is completed. The "Select query source" step (2) is active, with "User input" selected in the "Input type" dropdown. The "Query text" field contains the following text:
Alternative chemicals/ raw materials/ formulations for detergent manufacturing
It is a well known fact that detergents cause pollution due to the chemical substances that are used to manufacture them from dyes, preservatives such as formalin and other constituents. As a company seeking to be labelled as a green chemical company we are looking for alternative substitutes to make our detergents and products more green including any formulation assistance that would increase our green footprint.

The bottom screenshot shows the "Keywords" step (step 4 of 4). The "As phrases" toggle is turned on. Below the toggle, a list of keywords is displayed, all of which are checked:

- company
- green chemical company
- our green footprint
- detergents
- alternative substitutes
- pollution

Navigation buttons include "< Previous" and "X Clear Apply Q".

- Input long text, Document, Webpage
- AI extracts keywords
- Search database
- Adjust

Patent2Solution

AI-assisted search for commercial applications of a patent

CONTROLLING THE SYNTHESIS GAS COMPOSITION

POLLUTION & WASTE > RECYCLING & REUSE

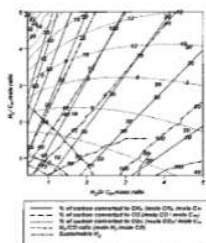


Fig. 7

Description Details Other

An improved, economical alternative method is provided for controlling the composition of the feedstock for the SMR by reforming, condensation removal, and adjustment of the hydrogen feed air. In one embodiment, a method is provided for adjusting the hydrogen feed air to the SMR.

Q Patent2Solution

ID 52432
Applicant THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
Uploaded by WIPO GREEN

Patent2Solution

Patent2Solution is a unique search function providing links to commercial sites which may be related to the patent chosen. It appears but due to the variety and complexity of patents, it may not always produce useful results. The emphasis is on providing a commercial application, the likelihood of finding an exact match decreases.

Patent2Solution is developed by WIPO GREEN and is provided for assistance only. Feedback on how you use this function and what you find is welcome. Please email info@wipogreen.int.

Disclaimer

Hyperlinks to other websites are provided as a convenience only, and imply neither responsibility for, nor approval of, the information contained therein, either express or implied, as to the accuracy, availability, reliability or content of such information, text, graphics and hyperlinks. WIPO GREEN does not represent or warrant as to the quality, safety, reliability or suitability of such software.

Results related to CONTROLLING THE SYNTHESIS GAS COMPOSITION OF A STEAM

Editable keywords used: CONTROLLING SYNTHESIS GAS COMPOSITION STEAM petroleum engines resources

(54) Total results Page 1 of 6 << < 1 2 3 4 5 >> >

regents.universityofcalifornia.edu >

UC Regents

Board of Regents ... On August 20, Governor Newsom appointed Jose Hernandez as a UC Regent. Regent Hernandez is the president of the University of California.

en.wikipedia.org > wiki > Regents_of_the_University_of_California

Regents of the University of California - Wikipedia

Regent Richard C. Blum, financier and husband to Sen. Dianne Feinstein, currently serves on the board of regents' Investment Committee.

regents.universityofcalifornia.edu > about > index.html

About the Regents | Board of Regents

The University is governed by The Regents, which under Article IX, Section 9 of the California Constitution has "full powers of government."

www.universityofcalifornia.edu > subject > term > uc-regents

UC regents | University of California

Acceleration Project Model

- Matchmaking projects with specific geographical scope and local partner implementation
- Focused on-the-ground matchmaking
- Identify needs and propose solutions
- Act as technology agent for need owners
- Work through local consultants and network of partners
- Matchmaking events as relevant
- Help identify finance solutions
- Database is a central tool

- Active projects in:
 - Latin America (Argentina, Brazil, Chile, Ecuador, Peru, Uruguay)
 - China;
 - Indonesia;
 - Tajikistan

WIPO | GREEN

WIPO FOR OFFICIAL USE



Acceleration Projects Solutions catalogues



wipo.int/green



WIPO | GREEN

WIPO | GREEN
The marketplace
for Sustainable Technology

WIPO FOR OFFICIAL USE ONLY