

WIPO GREEN Platform

The screenshot shows the WIPO GREEN website homepage. At the top, there is a navigation bar with the WIPO GREEN logo and the tagline 'The Marketplace for Sustainable Technology'. The navigation menu includes 'Home', 'Database', 'Projects', 'Partners', 'Resources', 'IPO Green', and 'About'. A search bar is located on the right side of the navigation bar. Below the navigation bar, the main content area features a heading 'WIPO GREEN – The Marketplace for Sustainable Technology' and a brief description of the platform. A 'FEATURED' section highlights the 'Green Technology Book 2022' with a 'Read the book' button and a 'Flyer' link. A 'News' section is visible at the bottom, with a 'All news' button and several news items listed, including 'A circular composting solution to food waste in China' and 'An Electrical Connection'.

- Green technology matchmaking initiative
- Increase understanding of innovative potential
- Deploy innovation in the field
- WIPO GREEN platform, visible implementation
- Combines all assets
 - Database
 - Projects
 - Partners
 - Resources / knowledge material

WIPO GREEN Database a central tool

- Free UN-based public database
- Major 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

The screenshot displays the WIPO GREEN Database website. At the top, there is a navigation menu with links for Projects, Partners, Resources, IPO Green, About us, and Register. A search bar is prominently featured, with a 'Simple' search mode selected and a 'Full Text Search' button. Below the search bar is a 'Register' button. The main heading is 'WIPO GREEN Database of Innovative Technologies and Needs'. A descriptive paragraph explains that the database is a free, solutions-oriented, global innovation catalogue. Below this, there are seven category icons: ENERGY, WATER, FARMING FORESTRY, POLLUTION WASTE, TRANSPORTATION, PRODUCTS MATERIALS PROCESSES, and BUILDING CONSTRUCTION. The 'Collections' section lists several projects: Green Technology Book, Feeding 9bn, POME Indonesia, LAC Climate Smart Agriculture, and China Cities. The 'Experts' section is partially visible at the bottom. On the right side, there are two sections: 'LATEST ENTRIES' with a list of recent updates (e.g., 'Mar 10, 2023: Automation of farming processes to fight food was...') and 'FEATURED ARTICLES' with a list of featured content (e.g., 'Jun 22, 2021: SEPURAN® GREEN: Evonik has developed a biogas upgrading process...').

Simple keyword search

The screenshot shows the main search results page on the WIPO GREEN website. At the top, there is a navigation bar with links for Home, Database, Projects, Partners, Resources, IPO Green, About, Contact, and Register. Below the navigation bar is a search bar with the text "Search WIPO GREEN Database". To the left of the search results is a sidebar with filter options, including "Filter <<" and "Quick Filters". The search results are displayed in a list format, with each result including a thumbnail image, a title, a brief description, and a TRL (Technology Readiness Level) progress indicator. The results are categorized into "PRODUCT, MATERIALS AND PROCESSES > BIO BASED PRODUCTS" and "POLLUTION & WASTE > CARBON CAPTURE & STORAGE".

PRODUCT, MATERIALS AND PROCESSES > BIO BASED PRODUCTS

Biocement using urine and industrial waste
By harnessing waste materials exclusively, scientists at NTU have p... alternative to conventional cement.
This innovative biocement is already undergoing trials to fortify th... achieved this breakthrough by utilizing two commonplace waste...

POLLUTION & WASTE > CARBON CAPTURE & STORAGE

DAC cement plant
Climeworks has pioneered the world's inaugural direct air capture groundbreaking facility, Climeworks has unequivocally demonstra... the atmosphere under authentic conditions.
Comprising 18 CO₂ collectors, the facility collectively sequesters h...

PRODUCT, MATERIALS AND PROCESSES > IMPROVED MATERIALS

Catalytic scrubber for cement plant
Significant advancements in catalytic scrubbing technology within dependable and indispensable solution within the cement industr... and its integration has become so integral that envisioning our in...
Catalytic denitrification offers an added and notewort ...

The screenshot shows the search filters sidebar on the WIPO GREEN website. It includes a search bar for filters, a "Reset all" button, and several filter categories with checkboxes and counts:

- Green Technology Book (621)**
- Source**
 - Patentscope (124226)
 - User uploads (4212)
 - AUTM (818)
- Type**
 - Technology (128529)
 - Need (391)
 - Expert (291)
 - Knowledge material (45)
- Collections**
 - Transportation (25538)
 - Energy (56596)
 - Water (3281)
 - Farming & Forestry (13111)
 - Pollution & Waste (17769)

The screenshot shows the search filters sidebar on the WIPO GREEN website, displaying a list of filter categories with checkboxes and counts:

- Product, materials and processes (10912)
- Building & Construction (13528)
- Company
- Country / Territory
- Developed in
- Deployed in
- Type of technology
- Type of collaboration sought
- Major environmental benefits
- Type of technology transfer
- Type of finance
- Office
- Fields of Expertise
- Publication date
- Featured


- Thumbnails, sorting, book marks

Details of a

Database Projects Partners Resources IPO Green About Co

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](#)

TestAgro

EN Home Shop All Resources Search for... Log In

Growers & Agronomists: Measure All Key Crop and Soil Parameters With All-In-One Testing Kits

With TestAgro professional lab-prepared...

Contact the provider

Message* Maximum 4000 characters

From

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

[Cancel](#) [Contact the provider](#)

...a logger.

Saint Mary's University **AXIOS RESEARCH**

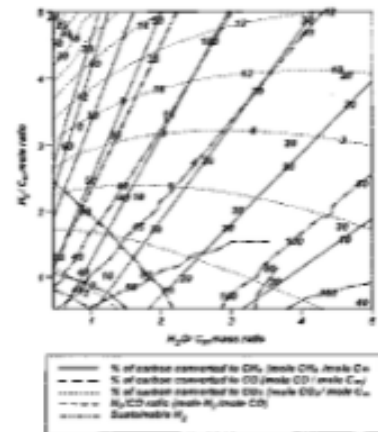
Have you initiated contacts or technological transfer agreements? The WIPO GREEN database is a free resource, but please help us by [letting us know](#) if you have initiated contacts or technological transfer agreements or similar through use of the database.

Patent2Solution

AI-assisted search for commercial applications of a patent

CONTROLLING THE SYNTHESIS GAS COMPOSITION

POLLUTION & WASTE > RECYCLING & REUSE



Description Details Other

An improved, economical alternative accomplished by a combination of the feedstock for the SMR by reforming, condensation removal temperature above the boiling point embodiment, a method is provided by adjusting the hydrogen feed at SMR.

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 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 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 either express or implied, as to the accuracy, availability, reliability or content of such information, text, graphics and hyperlinks. WIPO has no representations 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 board.

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

regents.universityofcalifornia.edu > about > index.html

About the Regents | Board of Regents

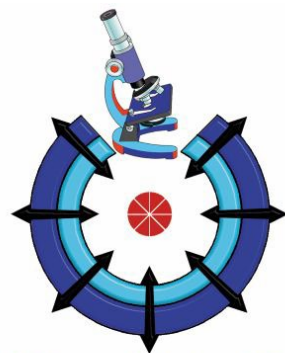
The University is governed by The Regents, which under Article IX, Section 9 of the California Constitution has "full powers of

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

UC regents | University of California

WIPO Green Technology Book

Solutions for Climate Change Mitigation and Adaptation



أكاديمية البحث العلمي والتكنولوجيا
Academy of Scientific Research
and Technology



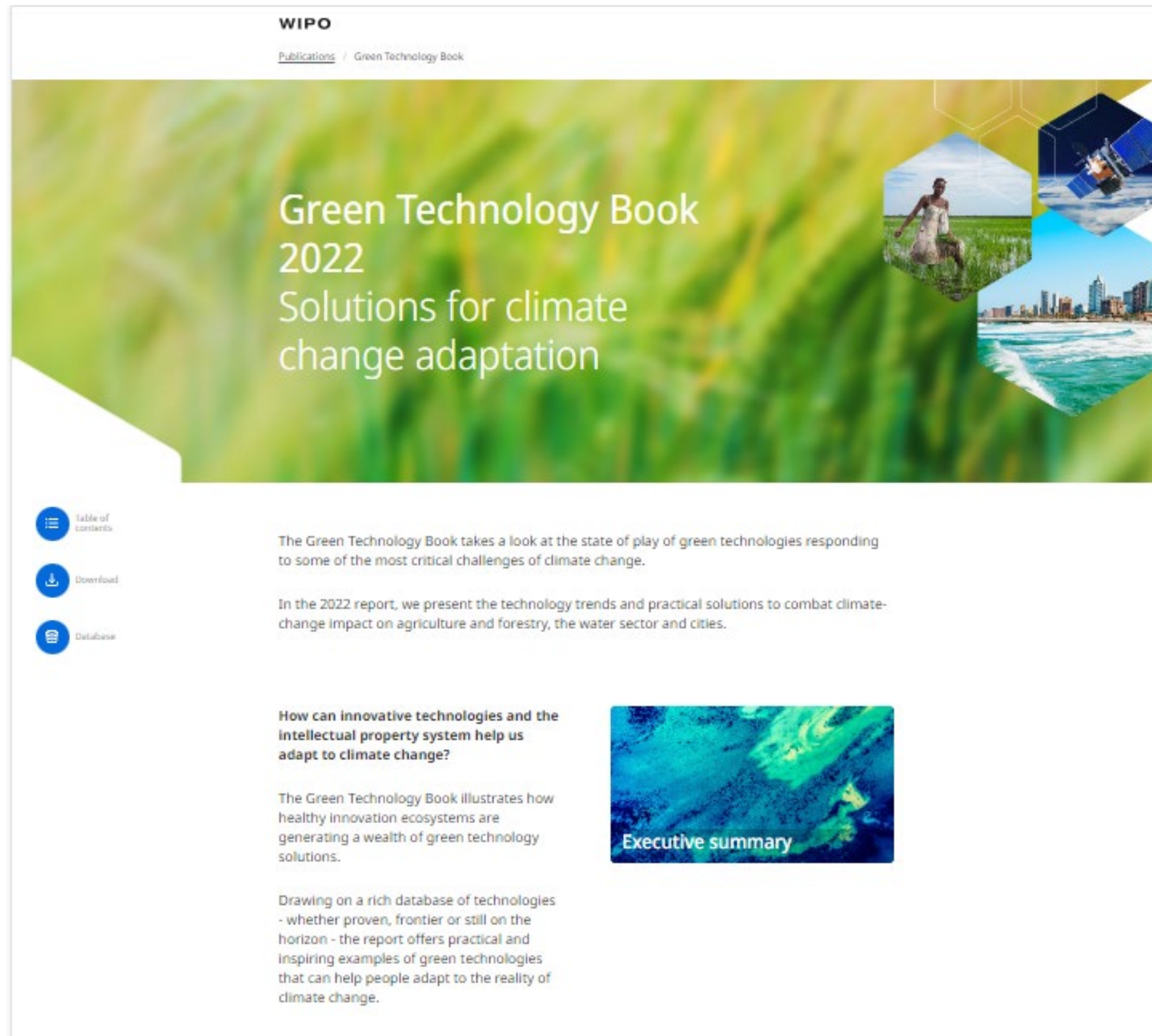
CLIMATE TECHNOLOGY CENTRE & NETWORK

WIPO FOR OFFICIAL USE ONLY

WIPO

The Green Technology Book

- a digital first publication



WIPO
Publications / Green Technology Book

Green Technology Book 2022 Solutions for climate change adaptation

- Table of contents
- Download
- Database

The Green Technology Book takes a look at the state of play of green technologies responding to some of the most critical challenges of climate change.

In the 2022 report, we present the technology trends and practical solutions to combat climate-change impact on agriculture and forestry, the water sector and cities.

How can innovative technologies and the intellectual property system help us adapt to climate change?

The Green Technology Book illustrates how healthy innovation ecosystems are generating a wealth of green technology solutions.

Executive summary

Drawing on a rich database of technologies - whether proven, frontier or still on the horizon - the report offers practical and inspiring examples of green technologies that can help people adapt to the reality of climate change.

- 2022: climate adaptation technologies
- 2023: climate mitigation technologies
- 2024: TBD

607 solutions and counting – ranging from local and indigenous techniques to advanced and digital climate technologies

- 1.4 million page views
- 900k + unique visitors
- 23,000 downloads of pdf

Highlights concrete technologies for:
agriculture & forestry, cities, industry, water & coastal zones

25 technology sections



WIPO

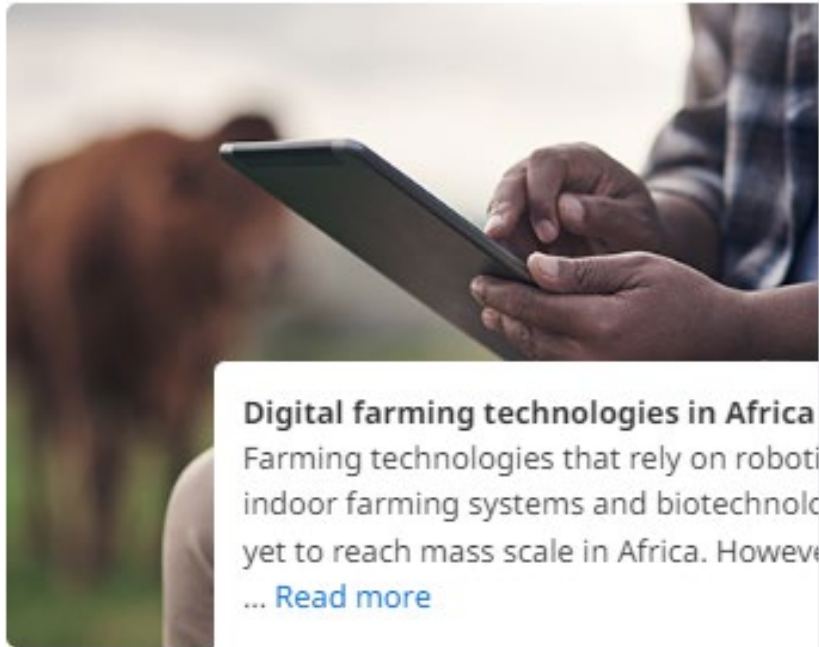
[Publications](#) / [Green Technology Book](#) / [3. Agriculture and forestry](#) / Farming technologies

Chapter 3. Agriculture and forestry Farming technologies

Since the Green Revolution of the 1960s, technological change has played a key role in maintaining agricultural productivity and resilience. Faced by an increasingly complex climate landscape, innovations such as vertical farming and precision farming are attracting interest. The world is now in expectation of what is likened to a fourth agricultural revolution.



Floating gardens of Bangladesh
Around a quarter of Bangladesh is flooded for several months of the year. This causes soil salinity and disruption to agriculture. Floating ... [Read more](#)



Digital farming technologies in Africa
Farming technologies that rely on robotic indoor farming systems and biotechnology yet to reach mass scale in Africa. However ... [Read more](#)

Proven technologies ▾

Focus on technology descriptions



WIPO



3. Agriculture and forestry / Climate-resilient plants / Frontier technologies

Pest control through release of self-limiting insects

Oxitec



Pest species such as armyworm, which feeds maize, sorghum and millet, have spread due to a warmer climate. It is especially destructive in Sub-Saharan Africa. Armyworm could potentially cost 10 of the continent's major maize producing economies between USD 2.2 and 5.5 billion a year in lost maize harvests.[1] Oxitec is a developer of biological solutions to pest control. They work by releasing genetically-engineered male insects with a self-limiting gene into the environment. When they reproduce with wild females, their offspring inherit a copy of this gene and do not survive to adulthood, resulting in a reduction in the pest insect population. This method can be used to control many different kinds of insect pests. Oxitec's technology is now being used to combat the autumn armyworm and improve agricultural outcomes.

- Contracting type: For sale
- Technology level: High
- Country of origin: United Kingdom
- Availability: Worldwide

WIPO



3. Agriculture and forestry / Healthy soils / Frontier technologies

Soil conservation in desert environments

Dake Rechsand



In the United Arab Emirates (UAE) and other Middle Eastern countries, a dry environment and high soil salinity pose challenges for agriculture. Dake Rechsand, based in the UAE, provides a "breathable sand" technology named Rechsand, suitable for soil conservation in such environments. This hydrophobic sand enables water to be retained for extended periods by stopping it from percolating down to the groundwater or soils below roots.

- Contracting type: For sale
- Technology level: Medium
- Country of origin: China, South Africa
- Availability: UAE, United States, India, China, South Africa





Green Technology Book

WIPO GREEN Database Collection

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

Upload your technology or, if not registered, become a WIPO GREEN Database user

Register

Green Technology Book - Climate Change Adaptation



Agriculture & forestry



Water and coastal regions



Cities

Green Technology Book - Climate Change Mitigation



Mitigation - Agriculture & Forestry



Mitigation - Industry



Mitigation - Cities

Database collection - steel section



PROVEN
FRONTIER
HORIZON

<p>Pressure-regulated coke oven</p> <p>ThyssenKrupp Uhde</p>	<p>Lower-carbon iron pelletizing</p> <p>Metso Outotec</p>	<p>Natural gas-based direct iron reduction (DRI)</p> <p>Midrex Technologies</p>	<p>Top gas recycling in natural gas-based direct-redu...</p> <p>Mines & Metals Engineering GmbH</p>	<p>Smelting reduction of iron ore</p> <p>Primetals Technologies</p>	<p>Electric Arc Furnace (EAF) with scrap preheating</p> <p>JP Steel Plantech Co.</p>
<p>Energy monitoring in the blast furnace</p> <p>Fluke Corporation</p>	<p>Hot-charging iron to the steelmaking furnace</p> <p>Midrex Technologies</p>	<p>Electric Arc Furnace (EAF) heat recovery</p> <p>Taiyo Nippon Sanso</p>	<p>Pressurized solvent extraction by ThermoFisher</p> <p>ThermoFisher Scientific</p>	<p>Induction furnace for steel-making</p> <p>AMELT</p>	<p>Jet Process to maximize scrap use</p> <p>Primetals Technologies</p>



[See in Database...](#)

Acceleration projects



Acceleration Projects Solutions catalogues



GREEN TECHNOLOGIES

TECHNOLOGY OPTIC

For the Treatment and Palm Oil Mill Effluent 2021

Dealing with the effects of climate change in wine

TECHNOLOGY CATALOGUE

GREEN TECHNOLOGIES

To improve the agricultural sector in Peru

Sustainable solutions to increase productivity and production and reduce the yield gap in the crops in Argentina

Acceleration Program

WITH THE NEGATIVE EFFECTS OF CLIMATE CHANGE IN THE CHILEAN

