

WIPO GREEN in 2021 and Beyond

January 15, 2021
Green Technology Marketplace 2021- Meiji University

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Why we're doing it

- World is facing extremely serious environmental, social and economic challenges – and its all interrelated
- Technology can help us meet some of these challenges
- It can be completely new technologies or greener versions of old technologies - together Greentech
- Uptake of Greentech is too slow
- One of the reasons is lack of information and of available solutions and their feasibility – technically and economically
- We can contribute here as the IP systems generated technological knowledge
- IP offices and project partners wants to be more active in supporting Greentech transfer & deployment



Our approach

- Search for pertinent climate change, food security and environmental needs
- Attract innovators to list their green solutions
- Needs are local, solutions global
- Establish dialogue between seekers and providers
- Provide knowledge material on technologies in various sectors
- Focused approach
- WIPO GREEN database a central tool
- Working through a consultant and industry associations and investors

WIPO GREEN Highlights 2020

- **166,000+** Page views *(80,000+ in 2019)*
- **120,000+** Unique page views *(60,000+ in 2019)*
- **7,400+** Newsletter subscribers *(6,700+ in 2019)*

- **3,750+** Technologies, needs and experts *(3,100+ in 2019)*
- **780+** Connections *(678+ in 2019)*
- **118** Partners *(100 in 2019)*
- **50** News items published *(15 in 2019)*

New WIPO GREEN Partners in 2020

- CGIAR System Organization
- Daicel Corporation
- Green Science Alliance Co., Ltd.
- Green Technology Center
- INAPI Chile
- International Green Technologies and Investments Center
- IP Protection Office of Lebanon
- Japan Patent Office
- Malawi University of Science and Technology
- Sagacious IP
- Saudi Authority for Intellectual Property
- Shiseido Company Limited
- Shobayashi International Patent and Trademark Office
- Skolkovo Foundation
- Sumitomo Osaka Cement Co., Ltd.
- Tianjin TEDA Energy Group Co., Ltd.
- Tokai National Higher Education and Research System
- Toyo Aluminium Ekco Products Co., Ltd.
- Toyota Motor Corporation

December 2019

- Canon Inc.
- Daikin Industries, Ltd.
- Hitachi Ltd.
- Honda Motor Company, Ltd.
- Konica Minolta Inc.
- Meiji University Center for Polymer Science
- Panasonic Corporation
- Swiss Federal Institute of IP
- Toyota Industries Corporation

WIPO GREEN Database Highlights



3,000+ technologies



250+ needs



- Increase in number of registered users from 1,417 in 2019 to 1,717 in 2020 (20+%)

Priorities for 2021 – Partner engagement, initiatives and projects

Partner engagement

- Goals:
 - Leverage network to achieve our mission
 - Increase opportunities to engage and contribute
- Inform and engage with partners through targeted messages, online update session in Q2, annual meeting in Q4
- Launching collaboration through Committees by sector, interest, region:
 - Led by partners, secretarial support from WIPO
 - Working objectives by the groups, depending on function, based on strategic activities
 - looking for volunteers





Partner contributions

- Continued focus on increasing
 - Database use (needs, technologies, experts)
 - Promotion (partner references and cross promotion through WIPO GREEN)
 - Technical assistance (acceleration projects, pro bono)
 - Policy
- Tackle Finance



Outreach principles

- Increase demand
- Use partner network to reach stakeholders
- Reach companies through business associations
- Outreach to selected countries (China, India, Korea, Russia)

Acceleration project 2021 in Indonesia

- Treatment and valorization of Palm Oil Mill Effluent (POME)
- POME major GHG emitter
- Identify feasible technological solutions e.g. biogas, bio-hydrogen, bio-refinery etc.
- Produce a catalogue of best available technologies
- In cooperation with UNDP Indonesia, Roundtable of Sustainable Palm Oil (RSPO and others)



Priorities for 2021 – WIPO GREEN platform upgrade



WIPO GREEN database goals

- A database more relevant to our users
- More content (import from Patentscope and others)
- Better search functions (free text search & Patent 2 Solution)
- More user interaction with relevant information
- Move towards a green business intelligence hub
- Link to knowledge material

WIPO GREEN database home page

 Search WIPO Green Database

for Technologies and Needs ▾

SEARCH

FULL TEXT
SEARCH

Advanced Search >

**BUILDING &
CONSTRUCTION**



**PRODUCTS,
MATERIALS AND
PROCESSES**



ENERGY



**FARMING AND
FORESTRY**



**POLLUTION AND
WASTE**



TRANSPORTATION



WATER



Major Contributors



Toyota Motor Corporation



International Business
Machines Corporation (IBM)



Consultative Group for
International Agricultural Research
CGIAR is a global partnership that unites
international organizations engaged in
research about food security...



Fujitsu Limited



Konica Minolta, Inc.

LATEST ENTRIES



05-NOV

Youth Guide on green Innovation
To mark the commencement of the
2020 academic year...

01-NOV

Sustainable Tourism after COVID-19
As travel restrictions have been implem...

21-OCT


Green Technology for Food and Agriculture
WIPO GREEN explored the challenges ...

11-OCT

Women in Green: Fantastic Plastic
What is your plastic footprint? And...

MORE...

WIPO GREEN database search results page



DASHBOARDDATABASEEXPERTS

Filters

Reset all

Type

Building and Construction

Products, materials and processes

Energy

Solar353

Biomass/Bioenergy184

Energy storage130

Energy generation (Others)119

Energy efficiency114

Show 12 more

Farming and Forestry

Pollution and Waste

Transportation

Water

Country/Territory

Provider

Development Stage

IP office

for Technologies and Needs

SEARCH

FULL TEXT SEARCH

Type (2)Category (3)Country/TerritoryProviderDevelopment StageIP office

123 results

1/250

Sort by Type

POLLUTION & WASTE > WASTEWATER TREATMENT

Maintenance for plumbing 4 - To provide a pipeline diagnostic method, a pipeline diagnostic system and diagnostic system

This is a packaged system of sensor(s), control panel and transmission unit, where client can monitor the quality, flow rate, etc. of wastewater on a real-time basis from a smartphone or PC. Sensor(s) can be selected according to client's requirements, such as pH, COD, turbidity, conductivity (EC), temperature, flow rate and etc. It has an alert ...

OwnerFujitsu Limited

TypeTechnology

SourceWIPO Green database

Updated25 Jun 2015

StageTechnology optimization

IP officeJapan

ID 12324567

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WIPO GREEN database details page



WIPO | GREEN

DASHBOARD

DATABASE

EXPERTS



Data sharing limitations:

Data marked with an asterisk (*) has been uploaded by WIPO from the PATENTSCOPE Database. The data has been submitted by the applicant in the context of the Patent Cooperation Treaty (PCT) for the purpose of filing and processing the international application, and not for licensing of the rights originating from the application. WIPO GREEN cannot provide direct contact with legal or natural persons whose data originates from PATENTSCOPE.

kaneka



E-MAIL OWNER



VISIT WEBSITE

Kaneka Corporation



Patent2solution

Solar cell, solar cell manufacturing method, and solar cell module

ENERGY > SOLAR

WATER > WATER TREATMENT



Owner **Kaneka Corporation**

Type **Technology**

Category **Energy > Solar**

Source **PATENTSCOPE Database ***

Stage **Technology optimization**

Published **28 Sep 2020**

Updated **28 Sep 2020**

IP office **Japan**

Country **Japan**

Source **WIPO Green**

About

Description

Technology features

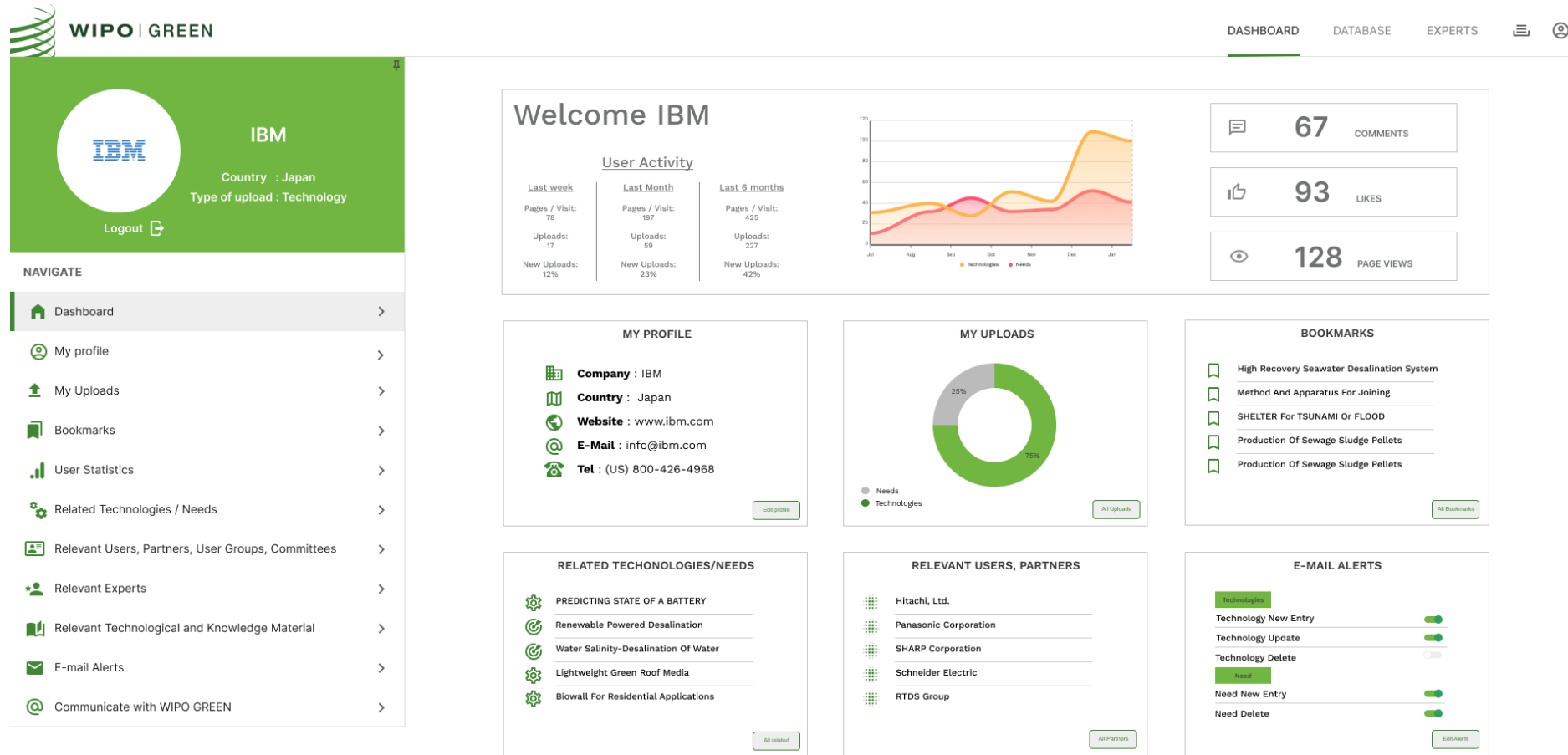
Development status

Comments

Attachments

Kaneka Corporation is a Japanese international chemical manufacturing company based in Osaka and founded in 1949. The company produces chemical products such as functional resin, foam resin, and synthetic fibers.

WIPO GREEN database user dashboard




WIPO GREEN database category page

 Search WIPO Green Database

for Technologies and Needs ▾

SEARCH

FULL TEXT
SEARCH

 Type (2) ▾ Category (3) ▾ Country/Territory ▾ Provider ▾ Development Stage ▾ IP office ▾

ENERGY



SOLAR

SHORT DESCRIPTION

Solar Energy Is Radiant Light And Heat From The Sun That Is Harnesses Using A Range Of Ever-evolving Technologies Such As Solar Heating, Photovoltaics, Solar Thermal Energy, Solar Architecture, Molten Salt Power Plants And Artificial Photosynthesis.

FEATURED TECHNOLOGIES/ NEEDS

- Featured technology1
- Featured technology2
- Featured technology3

KNOWLEDGE MATERIAL

- Knowledge Material
- Knowledge Material
- Knowledge Material

Featured Technology

Knowledge Material



WIND

SHORT DESCRIPTION

Wind is the flow of gases on a large scale, on the surface of the earth, wind consists of the bulk movement of air in outer space, solar wind is the movement of gases or charged particles from the sun through space.

FEATURED TECHNOLOGIES/ NEEDS

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Featured Technology

Knowledge Material



HYDROPOWER

SHORT DESCRIPTION

Hydropower Or Water Power (From Greek: "Ydus, "Water") Is Power Derived From The Energy Of Falling Or Fast-Running Water, Which May Be Harnesses For Useful Purposes.

FEATURED TECHNOLOGIES/ NEEDS

- Featured technology1
- Featured technology2
- Featured technology3

KNOWLEDGE MATERIAL

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- Knowledge Material

Featured Technology

Knowledge Material



BIOMASS / BIOENERGY

SHORT DESCRIPTION

Biomass Is A Modern Name For The Ancient Technology Of Burning Plant Or Animal Material For Energy Production (Electricity Or Heat), Or In Various Industrial Processes As Raw Substance For A Range Of Products.

FEATURED TECHNOLOGIES/ NEEDS

- Featured technology1
- Featured technology2
- Featured technology3

KNOWLEDGE MATERIAL

- Knowledge Material
- Knowledge Material
- Knowledge Material

Featured Technology

Knowledge Material

Technologies

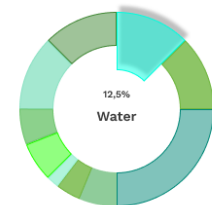
1532

Needs

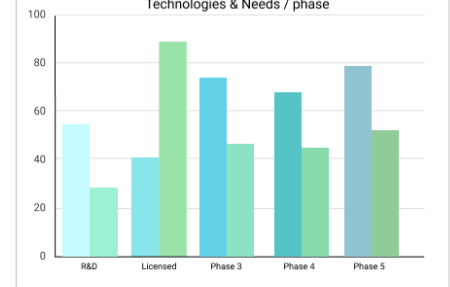
468



CHART



Technologies & Needs / phase



Priorities for 2021 – Communications and marketing



Communications and marketing

- Innovative Technologies in ... - 2021 bimonthly series
 - Transportation
 - Green Cities
 - Food production and consumption...
- Global Challenges Briefs
- Sharing partners' work and opportunities
- Joint webinars and events
- Video



Thank you