

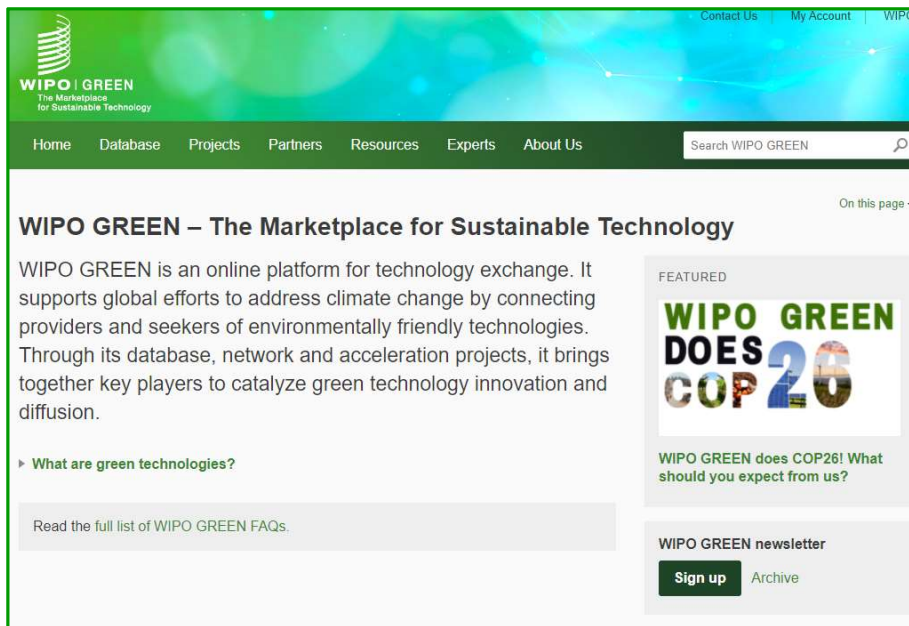


The IPO Green Project

IPO Green Webinars
Geneva, March 15 & 16, 2022

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WIPO GREEN Platform



- WIPO GREEN platform, major visible implementation
- Combines all assets
 - Database
 - Projects
 - Partners
 - Resources / knowledge material

Acceleration projects



Database of Needs & Technologies

- >127.000 entries
- User-uploads, partner imports, Patentscope, knowledge material

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 "Full Text Search" button. Below the search bar, the title "WIPO GREEN Database of Innovative Technologies and Needs" is followed by a descriptive paragraph. A row of icons represents various categories: ENERGY, WATER, FARMING FORESTRY, POLLUTION WASTE, TRANSPORTATION, PRODUCTS MATERIALS PROCESSES, and BUILDING CONSTRUCTION. The "BUILDING CONSTRUCTION" icon is highlighted. Below this, the "Collections" section lists three specific projects: "LAC Climate Smart Agriculture", "Feeding 9bn", and "POME Indonesia". On the right side, a "LATEST ENTRIES" section lists four recent entries with their dates and brief descriptions.

Search WIPO GREEN Database Simple X Search Full Text Search

WIPO GREEN Database of Innovative Technologies and Needs

The WIPO GREEN database is a free, solutions oriented, global innovation catalogue that connects needs for solving environmental or climate change problems with sustainable solutions. The database consists of user uploads of needs and solutions, green technology patents from the WIPO Patentscope database, imports from select partner organizations, and relevant knowledge material. AI-assisted auto-matching, user uploads tracing and alerts, full-text search for solutions based on long need descriptions, and the Patent2Solution search function for finding commercial applications of a patent, are some of the unique features of the database. Free registration is required for detailed record view and uploading.

ENERGY WATER FARMING FORESTRY POLLUTION WASTE TRANSPORTATION PRODUCTS MATERIALS PROCESSES BUILDING CONSTRUCTION

Collections

Collections group needs and technologies from WIPO GREEN Acceleration Projects and other activities. WIPO GREEN Acceleration Projects actively identify pertinent needs within specific climate change, food security, and environmental issues in a country or region as well as potential innovative green solutions.

- LAC Climate Smart Agriculture**
Our Latin America Project focusing on zero-till in Brazil, sustainable agriculture and forestry in Argentina and Peru, and wine producers in Chile
- Feeding 9bn**
Ideas for how innovation can help feed the more than 9 billion people forecast to inhabit earth by 2050
- POME Indonesia**
Acceleration project in Indonesia on technology solutions for treating Palm Oil Mill Effluent (POME)

LATEST ENTRIES

- Nov 15, 2021**
Low-cost energy-efficient small-scale cassava flour and starch
In many tropical and sub-tropical countries, populations and cities drive increased production and demand for long shelf-life products. Small-scale flash drying is
- Nov 15, 2021**
Potato varieties for mid-altitude, semi-arid agro-ecologies in sub-Saharan Africa, drought and virus tolerance.
Bringing potato to non-traditional regions extends to farmers in traditional agro-ecologies enduring erratic weather – namely, drought. Potato varieties tolerant to water an
- Nov 6, 2021**
An Eco-Brick and a method of preparing a Waste Management solution to reduce plastic waste (HDPE, LDPE, PET, PP) 2. Cattle building material mortar composite anaerobic melting and digestion of
- Nov 2, 2021**
Electric Power Trading Systems, Mexico
PROBLEM TO BE SOLVED: To provide a trading system capable of stably performing power trading. An electric power trading system mediates trading between a first us

The evolving risk landscape 2007-20

Top 5 Global Risks in Terms of Likelihood

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1st	Infrastructure breakdown	Blow up in asset prices	Asset price collapse	Asset price collapse	Storms and cyclones	Income disparity	Income disparity	Income disparity	Interstate conflict	Involuntary migration	Extreme weather	Extreme weather	Extreme weather	Extreme weather
2nd	Chronic diseases	Middle East instability	China economic slowdown	China economic slowdown	Flooding	Fiscal imbalances	Fiscal imbalances	Extreme weather	Extreme weather	Extreme weather	Involuntary migration	Natural disasters	Climate action failure	Climate action failure
3rd	Oil price shock	Failed and failing states	Chronic diseases	Chronic disease	Corruption	Greenhouse gas emissions	Greenhouse gas emissions	Unemployment	Failure of national governance	Climate action failure	Natural disasters	Cyberattacks	Natural disasters	Natural disasters
4th	China hard landing	Oil price shock	Global governance gaps	Fiscal crises	Biodiversity loss	Cyberattacks	Water crises	Climate action failure	State collapse or crisis	Interstate conflict	Terrorist attacks	Data fraud or theft	Data fraud or theft	Biodiversity loss
5th	Blow up in asset prices	Chronic diseases	Deglobalization (emerging)	Global governance gaps	Climate change	Water crises	Population ageing	Cyberattacks	Unemployment	Natural catastrophes	Data fraud or theft	Climate action failure	Cyberattacks	Human-made environmental disaster

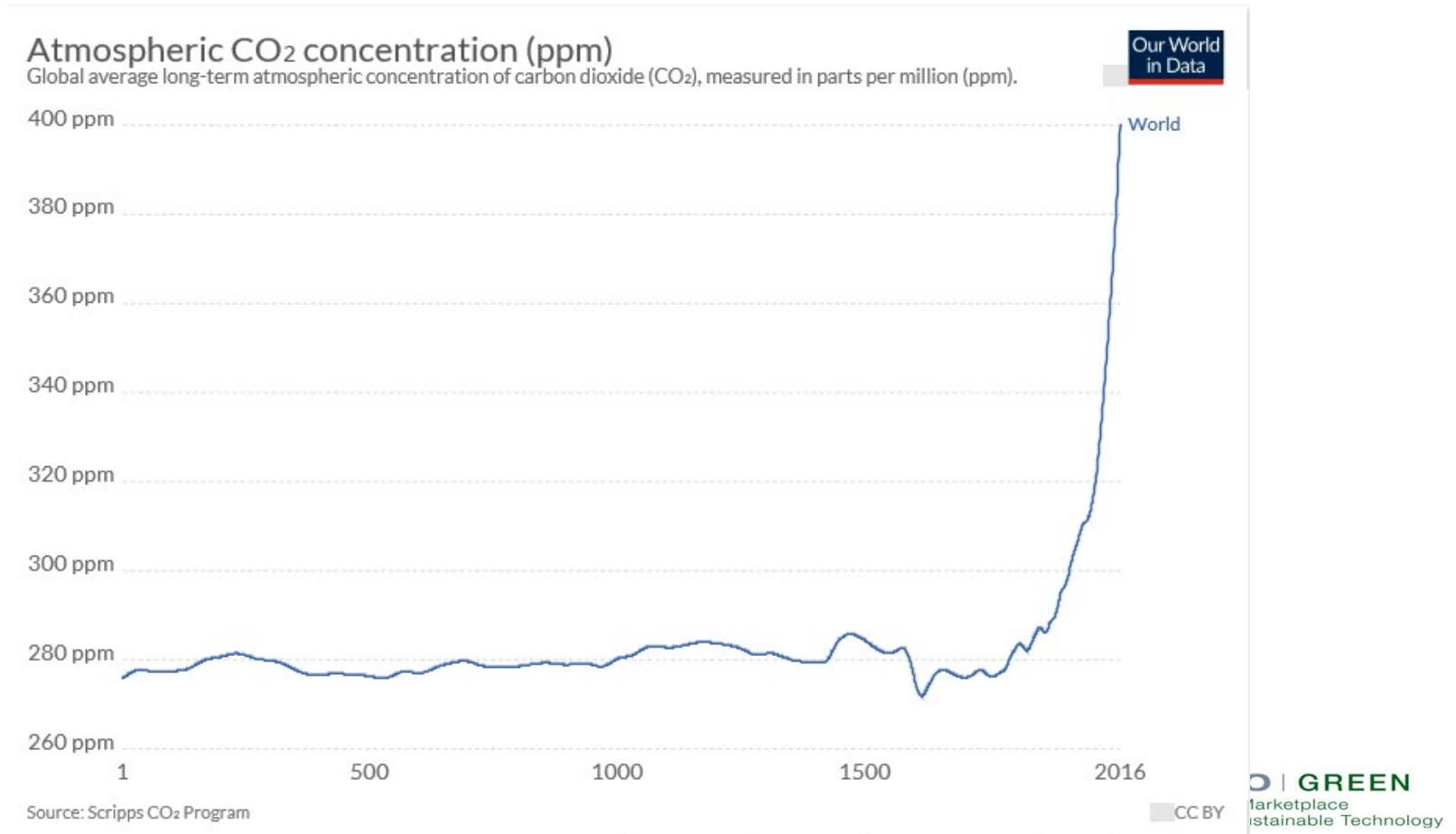
Top 5 Global Risks in Terms of Impact

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1st	Blow up in asset prices	Blow up in asset prices	Asset price collapse	Asset price collapse	Fiscal crises	Financial failure	Financial failure	Fiscal crises	Water crises	Climate action failure	Weapons of mass destruction	Weapons of mass destruction	Weapons of mass destruction	Climate action failure
2nd	Deglobalization	Deglobalization (developed)	Deglobalization (developed)	Deglobalization (developed)	Climate change	Water crises	Water crises	Climate action failure	Infectious diseases	Weapons of mass destruction	Extreme weather	Extreme weather	Climate action failure	Weapons of mass destruction
3rd	Interstate and civil wars	China hard landing	Oil and gas price spike	Oil price spikes	Geopolitical conflict	Food crises	Fiscal imbalances	Water crises	Weapons of mass destruction	Water crises	Water crises	Natural disasters	Extreme weather	Biodiversity loss
4th	Pandemics	Oil price shock	Chronic diseases	Chronic disease	Asset price collapse	Fiscal imbalances	Weapons of mass destruction	Unemployment	Interstate conflict	Involuntary migration	Natural disasters	Climate action failure	Water crises	Extreme weather
5th	Oil price shock	Pandemics	Fiscal crises	Fiscal crises	Energy price volatility	Energy price volatility	Climate action failure	Infrastructure breakdown	Climate action failure	Energy price shock	Climate action failure	Water crises	Natural disasters	Water crises

Source: Global Risks Report 2019, World Economic Forum

■ Economic
 ■ Environmental
 ■ Geopolitical
 ■ Societal
 ■ Technological

Long-term CO₂ Concentration



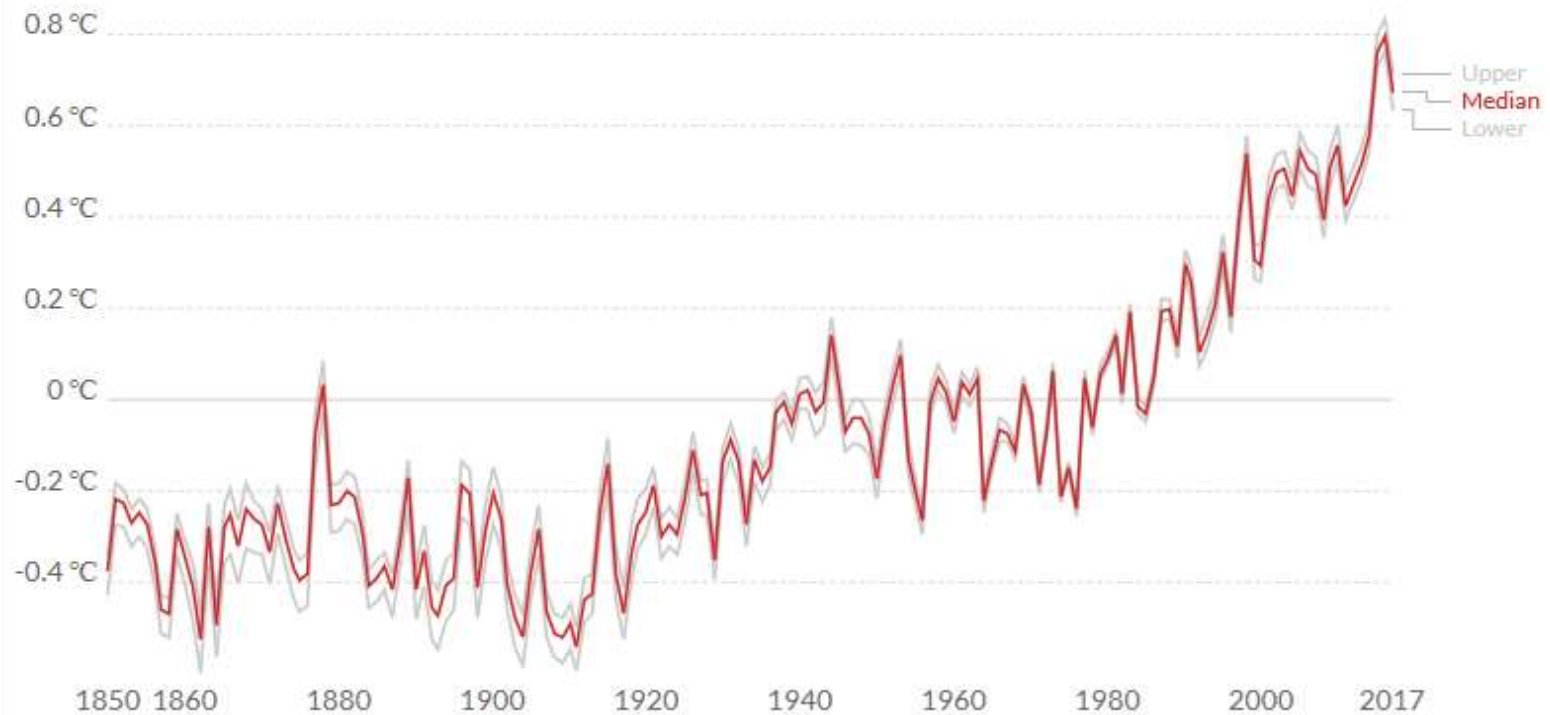
Source: <https://ourworldindata.org/co2-and-other-greenhouse-gas-emissions>

Climate Change - Temperature

Temperature anomaly from 1961-1990 average, Global

Global average land-sea temperature anomaly relative to the 1961-1990 average temperature in degrees celcius (°C). The red line represents the median average temperature change, and grey lines represent the upper and lower 95% confidence intervals.

Our World
in Data



Source: Hadley Centre (HadCRUT4)

Source: <https://ourworldindata.org/co2-and-other-greenhouse-gas-emissions>

CC BY

EEN
technology

Your Country has made Commitments

- NDC (iNDC) - Nationally Determined Contributions – Paris accord 2015
- NAP - National Adaptation Plans (developing countries)
- Methane pledge – brand new
- SDGs – 2030 Agenda for Sustainable Development (replaced Millennium Dev. Goals)
- CBD - Convention on Biological Diversity
- FAO International Code of Conduct on the Distribution and Use of Pesticides
- International Treaty on Plant Genetic Resources for Food and Agriculture
- International Tropical Timber Agreement (ITTA)
- Minamata Convention on Mercury,
- Montreal Protocol on Substances that Deplete the Ozone Layer
- Stockholm Convention on Persistent Organic Pollutants
- United Nations Convention to Combat Desertification
- Convention on the Protection and Use of Transboundary Watercourses and International Lakes
- + many regional agreements

+ many more...



The Thinking

- Precautionary principle
- Transition to green economy
- Huge international momentum
- Challenges are everywhere
- ... but so are solutions
- Innovation part of solution
- Not one magic tool, but thousands of technologies pulling towards green
- You are custodians of innovation – part of the innovation ecosystem
- You can help your government fulfil its green ambitions and commitments

IPO Green Project

- A place where you can find inspiration
- A place where you can share your experience – good & bad
- Located on the WIPO GREEN Platform – specialized in green innovation
- Continuous activities
- ... which activities is decided by you
- A permanent feature of WIPO GREEN
- We facilitate so that you can do
- Already 13 initiatives identified

Work financed by  JPO
JAPAN PATENT OFFICE

WIPO | GREEN
The Marketplace
for Sustainable Technology

Thank you !

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wipo.int/green



SEARCH

We invite you to search for technologies on our database.



UPLOAD

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



CONNECT

The automated matchmaking function on our database makes it easy to connect with technology seekers and providers.