The Evolving Role of IP Offices in Green Innovation

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What we will cover

01	**Why IP meets sustainability**	The link between patents, the ecological transition and the bioeconomy
02	**COSBIO**	INPI's Sustainability and Bioeconomy Commission: Goals and governance
03	**The Green Technologies Observatory**	A data platform to share information regarding patent applications on Sustainable technologies in Brazil

Intellectual property to drive the ecological transition

*Patent data shows **who is inventing green technology, where and how fast…***

Brazil's bioeconomy advantage

Biodiversity, biofuels and sustainable agriculture make green IP a strategic national asset.

A national patent office role

INPI accelerates examination of green inventions and provide patent data to stimulate national sustainable development.

Two complementary answers

COSBIO sets direction inside the institute; the Observatory produces the evidence.

COSBIO:
Sustainability and Bioeconomy Commission

Created by Ordinance INPI/PR No. 48 of November 2023 - collegiate body for governance of environmental matters at INPI.

Set the direction

Institutionalise planning of INPI's work on industrial property and the environment, with strategic guidelines, objectives and indicators.

Monitor and review

Track implementation, evaluate results and revise activities against institutional strategy.

Connect and train

Integrate teams across INPI and build staff capability on IP and the environment.

Advise leadership

Guide senior management on environmental policy and align with the INPI’s Sustainable Logistics Master Plan.

From commission to policy: INPI's Environmental Policy

Published on Nov/2024 by Ordinance No. 045/2024, it sets governance and guidelines for INPI's environmental activities

INTERNAL ASPECTS AND IMPACTS — LINES OF ACTION

01
VITA programme
Health and well-being services for staff

02
Natural resources
Lower water, energy and materials use

03
Waste management
Correct disposal and more recycling

04
Asset disposal
Reuse and sound disposal of goods

05
Green purchasing
Cutting indirect impacts of INPI’s purchasing

EXTERNAL ASPECTS AND IMPACTS — LINES OF ACTION

1. Green technology fast track program

Support the development, protection and availability of technological solutions that mitigate environmental impacts: priority examination of Green Patents.

2. Technological intelligence and sustainable public policy

Generate strategic information to inform public policy, green innovation and sustainability decisions. Examples: Green Technology Observatory and prospective studies

3. Sustainable regional development

Support innovation through sustainable use of Brazilian biodiversity and natural resources. Strengthen local value chains and territories linked to economic, social and environmental sustainability. Examples: regional initiatives and IP mentoring.

4. International cooperation

Connect Brazil to global networks and debates on environmentally sustainable innovation. Examples: IPO GREEN and participation in international forums; Matchmaking activities (WIPO Green)

The Green Technologies Observatory

A shared platform

Turning patent data into competitive intelligence for the national bioeconomy

Launched in November 2024.

Gather the evidence

Bring together technology foresight studies on environmentally sustainable technologies relevant to the national bioeconomy.

Inform public policy

Support policy design and the sectoral evaluation of industrial policy results.

Direct funding better

Help direct research, development, and innovation resources to where they matter.

Track change over time

An interactive data panel, periodically updated and expanded, monitors how protection of these assets evolves.

What is already published on the platform

PANEL 01

Green fast-track programme

Use of the priority examination programme for green technologies — Nov 2024 / updated April 2026.

PANEL 02

Energy generation

Patent applications mapped across sustainable energy generation — September 2025.

PANEL 03

Sustainable agriculture

Technologies related to sustainable agriculture — January 2026.

Each panel offers bibliographic data that can be downloaded in Excel for further analysis.

Last foresight studies related to bioeconomy

- Bioplastics, June 2026
- Green technologies in energy generation, June 2026, and in sustainable agriculture, August 2026
- Sustainable aviation fuels (SAF), February 2026
- Biofuels, May 2025
- Sustainability in iron and steel metallurgy, May 2025

Página Inicial

Agricultura Sustentável

Panorama Geral

Próxima Página

Tipo de tecnologia verde

AGRICULTURA DIGITAL	2.132
BIOFERTILIZANTES	2.597
DEFENSIVOS SUSTENTÁVEIS	3.282
ESTUFAS	151
MAQUINÁRIOS, DISPOSITIVOS E IMP...	1.441
NOVAS PLANTAS	1.246
OUTROS	38
SISTEMAS DE IRRIGAÇÃO	530

Aguarde o carregamento da tabela

Total de invenções depositadas

6.300

Quantas invenções foram depositadas por ano?



Quem desenvolveu as invenções

	Nº de Pedidos
CORTEVA/DOW AGROSCIENCES/PIONEER HI-BRED	326
BAYER/BAYER CROPSCIENCE/MONSANTO	319
BASF	262
DEERE & COMPANY	247
SYNGENTA/ADAMA	134
CNH INDUSTRIAL	126
THE CLIMATE CORPORATION	81
PRECISION PLANTING	77
EVOGENE	72
DUPONT	60
UPL/ARYSTA LIFESCIENCE	50

Status administrativo do pedido de patente no INPI



Qual país deu origem às invenções



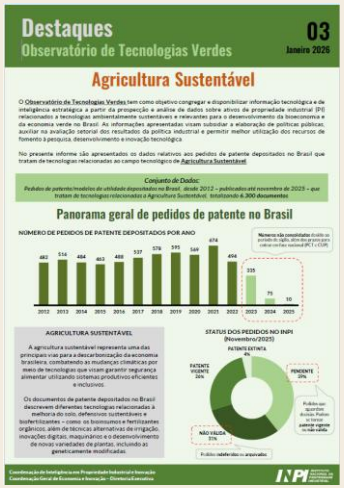
Tipo de pedido de patente

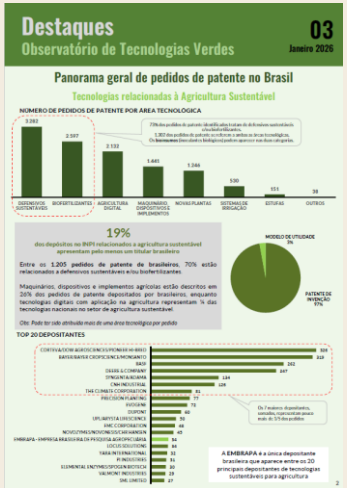




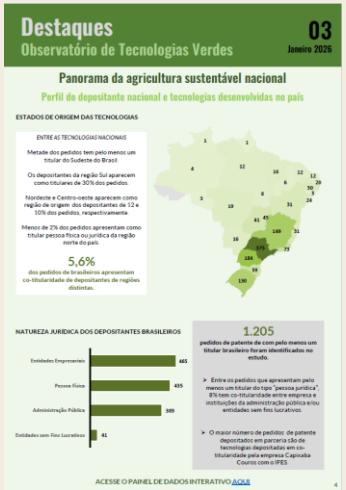
Nº do Pedido	Ano de Depósito	Depositante	Título	Status do Pedido em Nov/2025
112020006252	2018	0903608 B.C. LTD.-[CA]	COMPOSIÇÃO PESTICIDA, E, MÉTODO PARA MELHORAR SINERGICAMENTE A ATIVIDADE PESTICIDA DE PELO MENOS UM INGREDIENTE ATIVO PESTICIDA	PENDENTE
112020006260	2018	0903608 B.C. LTD.-[CA]	COMPOSIÇÃO PESTICIDA, E, MÉTODO PARA MELHORAR SINERGICAMENTE A ATIVIDADE PESTICIDA DE PELO MENOS UM INGREDIENTE ATIVO PESTICIDA	PENDENTE
112021005944	2019	0903608 B.C. LTD.-[CA]	COMPOSIÇÕES PESTICIDAS SINÉRGICAS, E MÉTODOS PARA APRIMORAR SINERGICAMENTE A ATIVIDADE PESTICIDA DE PELO MENOS UM INGREDIENTE ATIVO PESTICIDA	PENDENTE
112016012024	2014	1) IDEMITSU KOSAN CO., LTD.; 2) NATIONAL CENTER FOR GLOBAL HEALTH AND MEDICINE-[JP]	VACINA CONTRA COLIBACILOSE	NÃO VÁLIDA
112016012036	2014	1) IDEMITSU KOSAN CO., LTD.; 2) NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY; 3) HOKUSAN CO. LTD-[JP]	PREVENÇÃO DA DIARRÉIA PELA ESCHERICHIA COLI	NÃO VÁLIDA
102019020995	2019	100 LIXO LTDA-[BR];MAURO ALVES DA VEIGA-[BR]	USINA PARA TRANSFORMAÇÃO MECÂNICA E BIOQUÍMICA DOS RESÍDUOS SÓLIDOS URBANOS	PATENTE VIGENTE
112020018987	2019	10691976 CANADA LTD.-[CA]	COLHEITADEIRA PARA UM SISTEMA DE CULTIVO DE CULTURA	NÃO VÁLIDA
112020018993	2019	10691976 CANADA LTD.-[CA]	SEMEADORA PARA UM SISTEMA DE CULTIVO DE CULTURA	NÃO VÁLIDA
112020019005	2019	10691976 CANADA LTD.-[CA]	SISTEMA DE CULTIVO DE CULTURA INCLUINDO UMA SEMEADORA E COLHEITADEIRA ASSOCIADA	NÃO VÁLIDA
112017012502	2015	2SEVENTY BIO, INC.-[US];BLUEBIRD BIO, INC.-[US]	POLINUCLEOTÍDEO, POLIPEPTÍDEO DE CAR CODIFICADO PELO DITO POLINUCLEOTÍDEO, VETOR COMPREENDENDO O	PATENTE VIGENTE

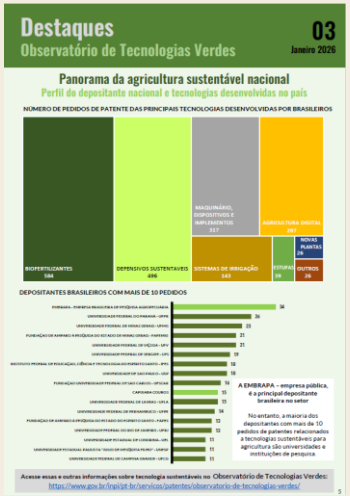
Observatory Highlights











TAKEAWAYS

Governance plus evidence, working together

COSBIO gives the agenda a home

A standing commission and an environmental policy

The Observatory turns patents into evidence

Open dashboards and foresight studies on the technologies behind the ecological transition.

The data is there to be used

Policy makers, researchers, companies and funders can download it and act on it.

Thank you!

Coordination of Industrial Property and Innovation Intelligence (COIPI) | Industrial Property Observatories Division (DIOPI)
https://www.gov.br/inpi/pt-br/servicos/patentes/observatorio-de-tecnologias-verdes/

Sustainability and Bioeconomy Commission (COSBIO)
https://www.gov.br/inpi/pt-br/acesso-a-informacao/sustentabilidade/comissao-de-sustentabilidade-e-bioeconomia/