

CONNECTING PATENT DATA WITH OTHER SOURCES OF DATA

ILJA RUDYK | CHIEF ECONOMIST UNIT | 28 NOVEMBER 2023

CHIEF ECONOMIST UNIT – PROVIDING EVIDENCE

"We link IP with economic considerations."

- Provide high-level expertise and analysis and to foster well-informed policy debate on issues relating to patents, innovation and economic growth
- Help the EPO understand better how patents are used and what their economic impact is
- Provide important evidence to the public

PREREQUISITES: CEU DATA PIPELINE

Patent data

- Expert examiners
- Expert partners (IEA, EC)

Applicants and inventors

- Disambiguation and standardisation
- Enrichment with matched databases

Field micro-data

- Surveys
- Case studies

Identification



Disambiguation, standardisation



European Higher Education Institutions Register



Geolocation



Global businesses



crunchbase

Start-Ups/ SMEs

eurostat

Industry statistics

Commercialisation

Finance

Business models

Gender, carriers

Benchmark data

Statistics
 Econometrics
 Trends analysis
 Clustering
 Maps

IMPLEMENTATION: WORK PACKAGES



Creating "cartographies"

- Combining **expertise from EPO examiners** and external partners
- Library of **search strategies**



Applicants Matches

- Data **matching** and **disambiguation**
- Tech Focus: *H2, Plastics, Cancer, ...*



GUI Development

- Map Interaction Interface (Filtering, Layer selection)
- **Analytics** in **Tableau dashboards**



Geodatabase Development

- **Geocoding** Applicants Addresses
- Local Institutions **Linkage**



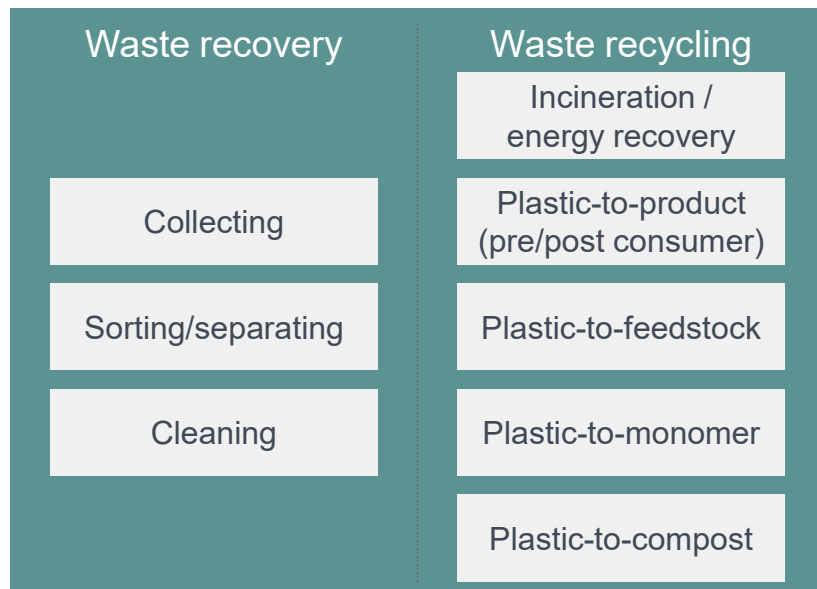
Underlying Database

- Database Architecture Definition
- Tables generation and storage

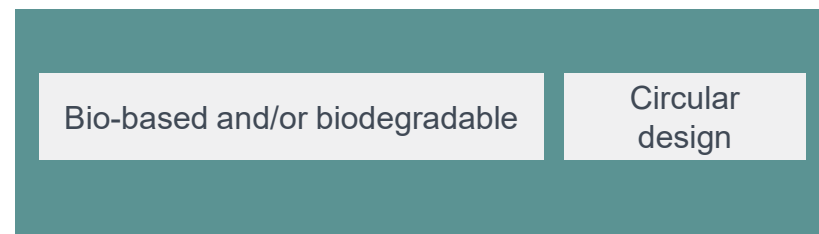
TOWARDS A CIRCULAR ECONOMY FOR PLASTICS



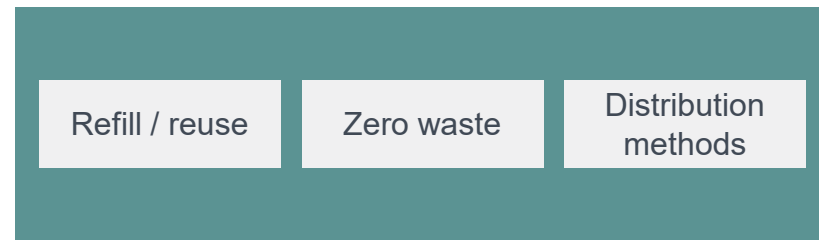
Waste recovery and recycling



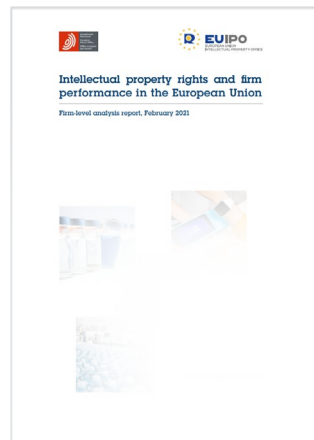
Alternative types of plastics



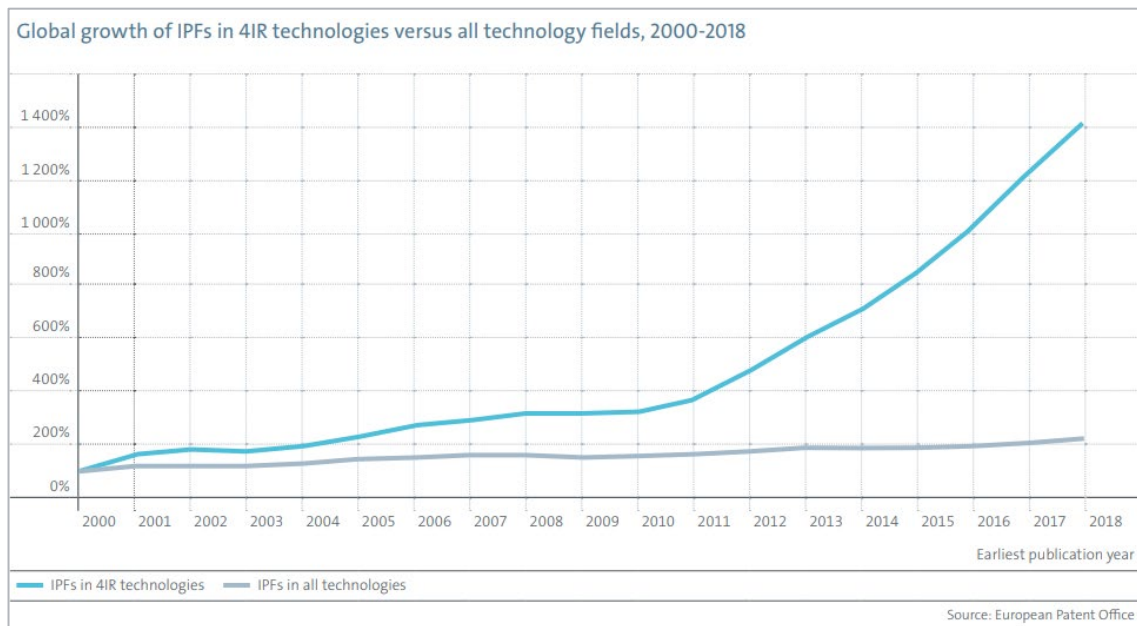
Alternative circular strategies



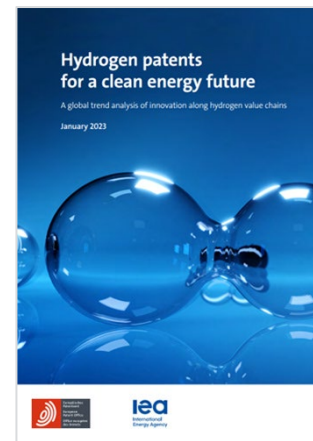
ECONOMIC IMPACT OF IP RIGHTS



PATENTS AND THE DIGITAL TRANSFORMATION




PATENTS AND SUSTAINABILITY CHALLENGES



EPO – DEEP TECH FINDER

- Matching of European patent data and Dealroom.co data
- Over 7 500 start-ups
- Information on investment (stage), patent portfolio, technology, industry
- Join us tomorrow (29 Nov)

[DEEP TECH FINDER](#)


Explore startups
My list of startups


Explore deep tech in Europe

Our **Deep Tech Finder** helps you find investment-ready European startups with patent applications at the EPO. Set your preferred filters and browse the map or search by company or investor's name. Once you add a startup to your list, you can learn about their applications and granted patents. See the [FAQ](#) or our [demonstration video](#) (08:30 mins)

Startups and patents
Startup name
Investor name

Country **0**
Growth stage **0**
Industry **0**
Patent technical fields **0**
☐ Only granted patents
 Search

Showing 7687 startups



THANK YOU!