

Patents and clean energy in Africa and Latin America

Evidence to support policy-making



Finding mitigation technologies in patents

- EPO has over 90 million documents in its patent collection.
- Y02 gathers CCMTs belonging to different technical areas under one umbrella.
- 1000 classification entries and over 2 million CCMT-related documents.
- User-friendly access for non patent experts.
 - Y02C: Greenhouse gases capture or storage/sequestration or disposal
 - Y02E: Greenhouse gases emissions reduction technologies related to energy generation, transmission or distribution
 - Y02B: Buildings Climate change mitigation technologies in buildings, including the residential sector
 - Y02T: Transport Climate change mitigation technologies in the transportation of goods and persons
 - Y04S: Smart Grids technologies Remote network operation, smart metering, electric and hybrid vehicles interoperability, trading and marketing



Sneak-preview



Y02W for Waste

- wastewater treatment
- solid waste management
- Enabling technologies or technologies with a potential or indirect contribution to GHG emissions mitigation (e.g. bio packaging)
- 307.484 documents
- EPO-ICTSD side-event "Technology in the2015 Paris Agreement" on 10 June.

Using the Y02

Espacenet Patent search

- For learning technical solutions
- Access to 90 million documents from 90 patent authorities worldwide
- Available free-of-charge
- Patenttranslate powered by EPO and Google

 EN > 31 languages including

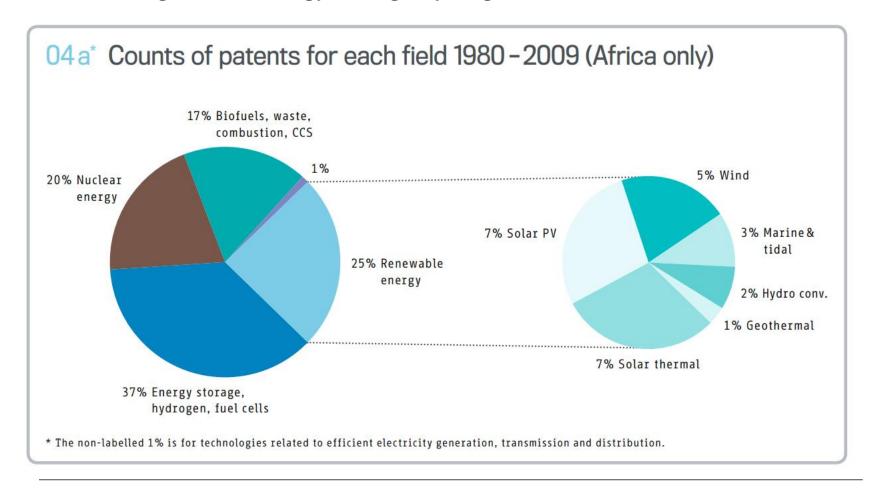
 CN, JP, KR, RU

PATSTAT

- For technology mapping and statistics
- 67 million patent applications from 100 patent authorities
- 40% of users are in governmental research/policy-making

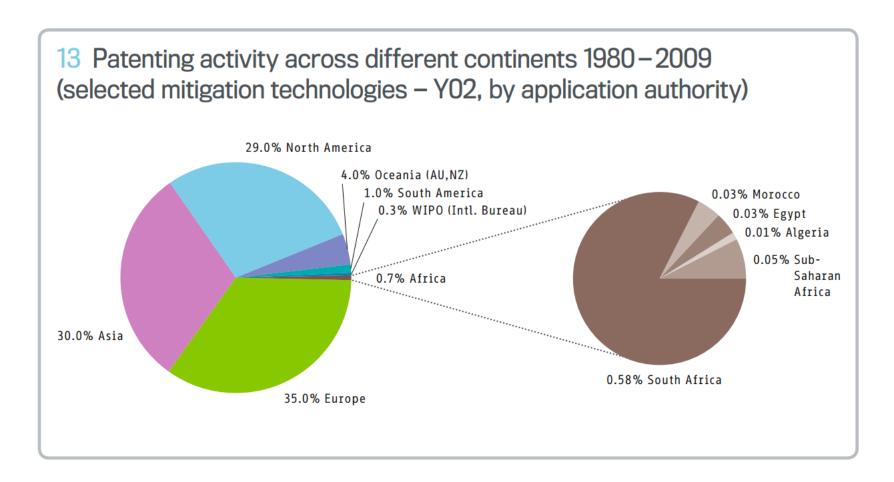
Inventive activity in Africa

- South Africa is the major African inventor country (84% of filings)
- Most filings are in energy storage/hydrogen/fuel cell and renewables

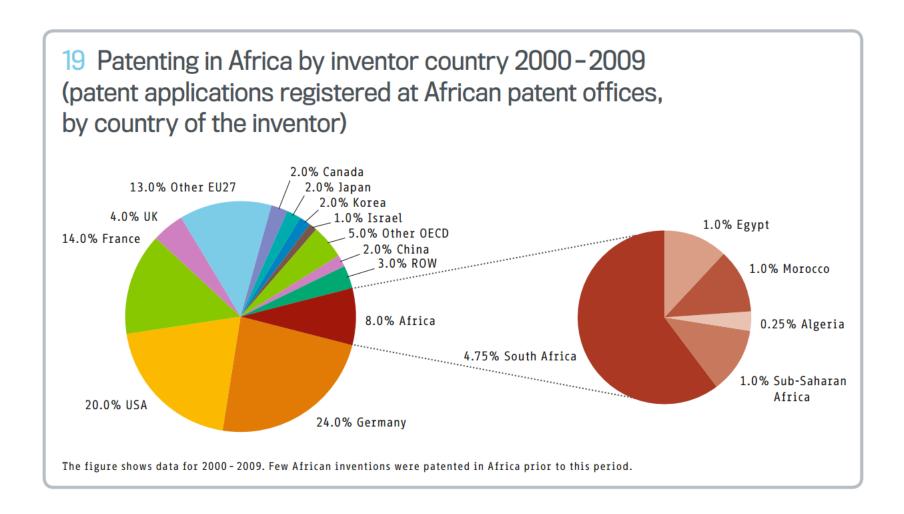


Patents and clean energy in Africa

Less than 1% of all patent applications on CETs have been filed in Africa

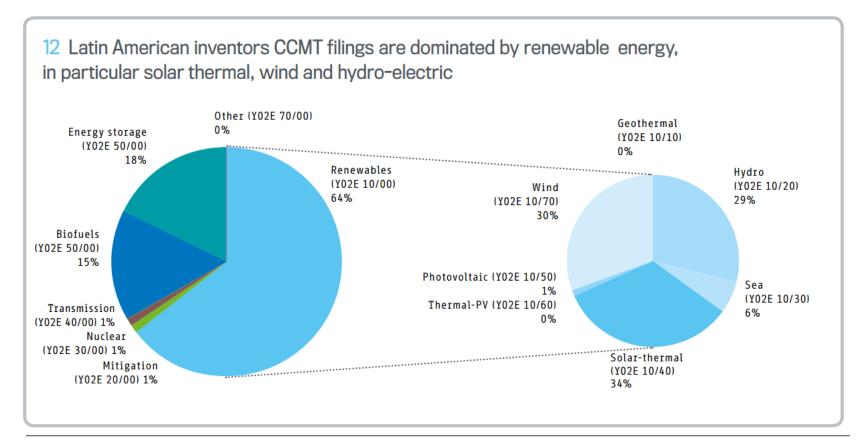


Ownership of patents in Africa



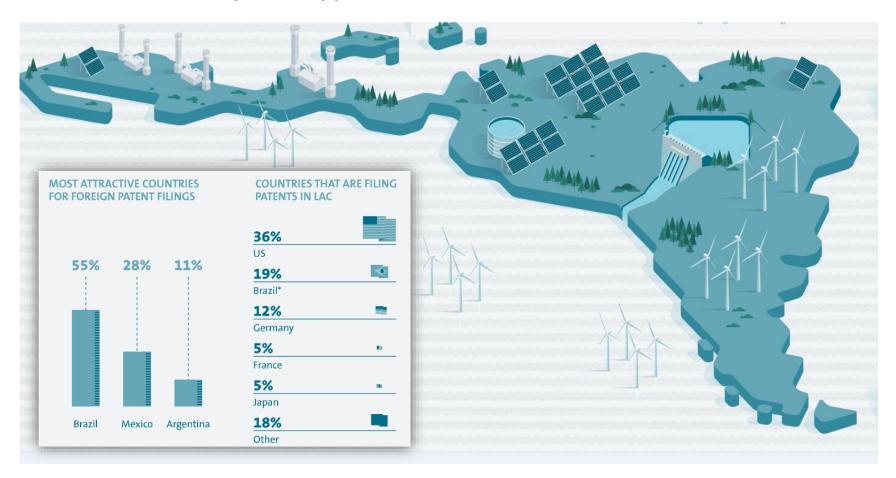
Inventive activity in Latin America

- Brazil dominates inventive activity (73% of filings), followed by Argentina and Mexico.
- Most filings are in renewable energy technologies.



Patents and CCMTs in Latin America

Less than 3% of all patent applications on CCMTs have been filed in LAC





Thank you for your attention



The EPO-UNEP and ICTSD reports: www.epo.org/clean-energy

Africa Report: www.epo.org/clean-energy-africa

LAC Report: www.wpo.org/lac

Use Y02 in Espacenet www.espacenet.com www.epo.org/y-classification

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