



WPIS - WIPO's Patent Information Service for Developing Countries



Patent Landscape Reports WIPO Inter-Regional Symposium

Moscow
November 30, 2010

WPIS

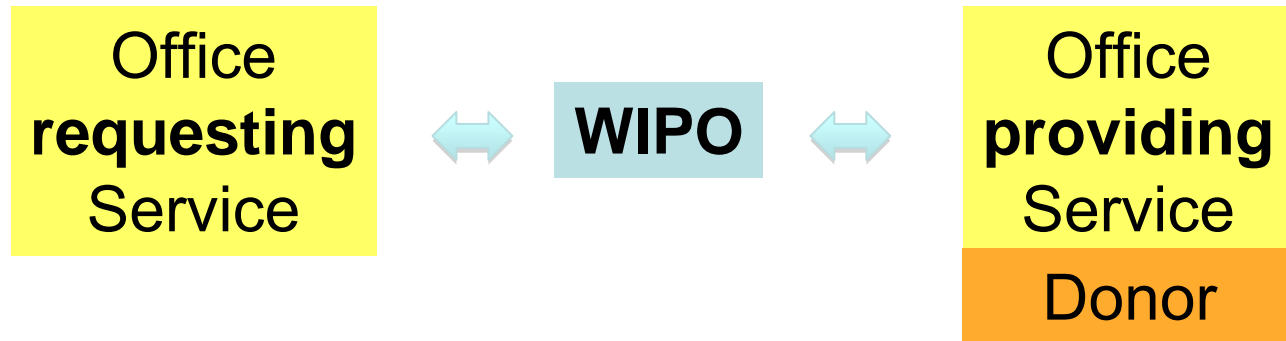
- WPIS → WIPO Patent Information Service for developing countries
- Established in the early 80's – is currently being redesigned
- Portfolio of different patent information services for countries developing their IP infrastructure

Current WPIS

- Upon request by national Intellectual Property Offices (IPO) of developing countries WPIS provides:
- **State of the art search reports** for
 - private sector and
 - Institutions
- **Search and examination (S&E) reports** for patent applications of IPOs
 - **ICSEI** – International Cooperation on Search and Examination of Inventions

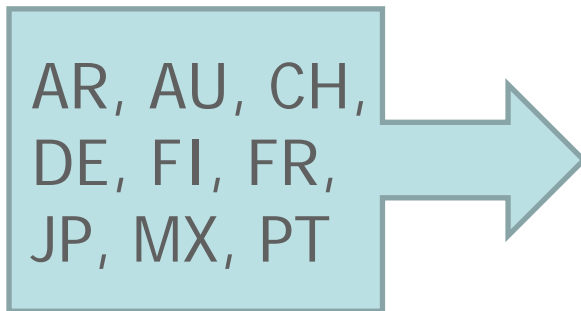
WPIS Structure

- WIPO acts mainly as „agent“
- Bilateral agreements WIPO – donor offices

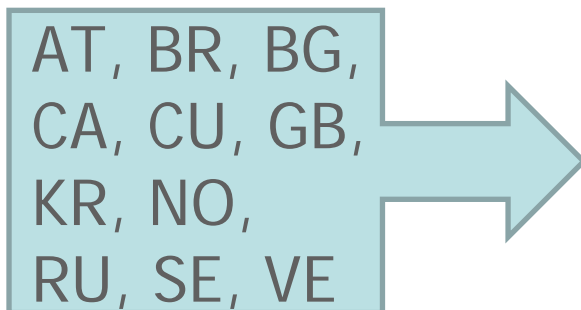


Current WPIS

■ Donor offices:



State of the art search
reports



State of the art search
reports

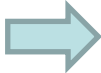


ICSEI reports

Redesigned WIPS - Goals

- Focus on **capacity building** in countries developing their IP infrastructure:
 - Strengthening patent granting procedures
 - Supporting IPOs/TISCs wishing to provide services to the public
- Inclusion of additional patent information services
 - Legal status information
 - Patent landscape reports
- Inclusion of more donors and more clients to the service

Redesigned WPIS

Service component 1  **Patent Information Analysis (PIA)**

Service component 2  **International Cooperation for Examination (ICE)**

Future Patent Information Analysis (PIA)

- Complementing patent information services of TISCs for private sector/institutions:
 - *Servicing countries as before where no TISCs*
 - *Complex state of the art searches where TISCs lack expertise; upon request by TISCs*
 - *Patent landscape reports (WIPO DA project)*
- Broader range of clients: Servicing NGOs and IGOs
 - *State of the art searches*
 - *Legal status searches*
 - *Patent landscape reports (WIPO DA project)*

Future International Cooperation for Examination (ICE)

- Search & Examination reports for small and medium IPOs developing their patent granting procedure
- Envisaged tutorship with examiners of donor offices

Building and Using Patent Landscape Reports

■ What is a Patent Landscape?

- State of the art search

+

- Analysis/Structuring of result set

+

- Visualiziation ("patent mapping")

(+

- Conclusions)

Patent Landscape Reports – Aim & addressees

■ Aim:

- **General trends** or **specific questions** in detail
- **Public domain** and/or **technology transfer** related information
- Support tool for policy-makers

■ Addressees:

- Governments
- IGOs/NGOs
- Industry
- Academia
- Public

What can a Patent Landscape show?

- Patent Landscapes → customizable depending on needs
- Patterns of patenting activity
 - Who is doing what (e.g. top applicants, inventors) ?
 - What is filed where ?
- Patterns of innovation
 - Innovation trends/activities
 - Diversity of technology
- Collaborations
- What is in public domain ? e.g. FTO analysis

Patent Landscapes Limitations

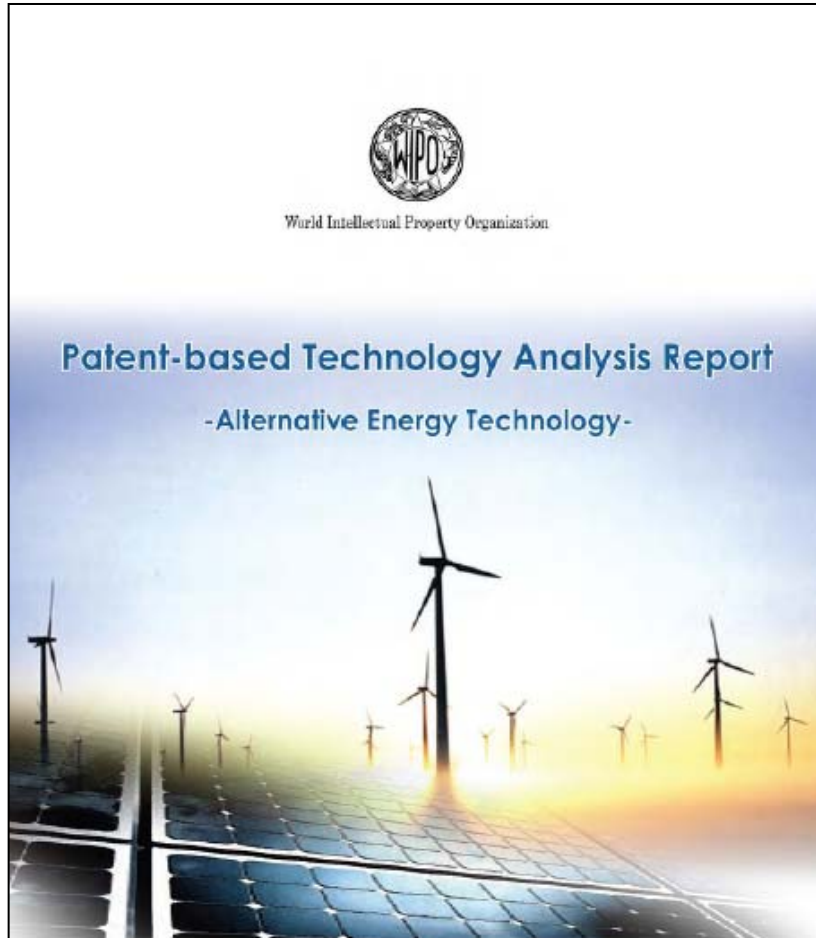
■ Limitations:

- snap shot character
- technology <> product specificity
- intellectual analysis <> automated search
 - recall <> precision of search

WIPO's previous patent landscapes

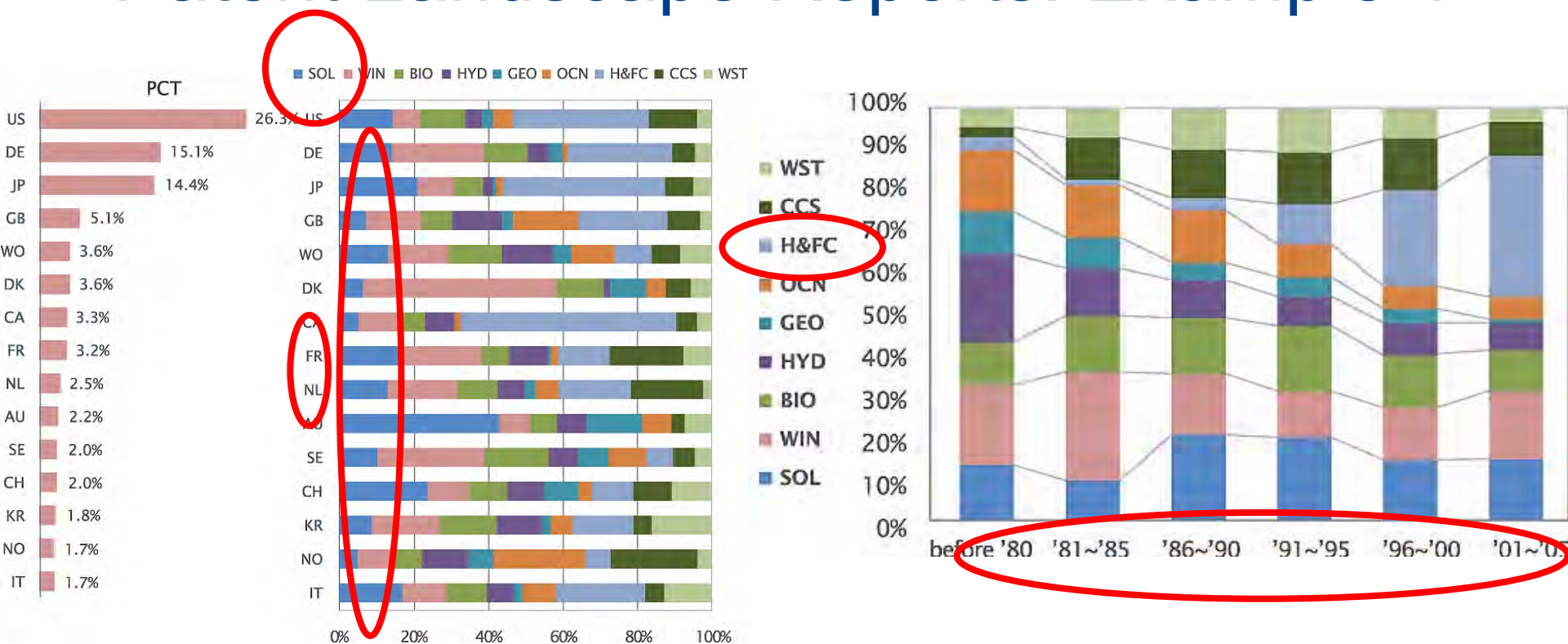
- Patent Landscape of H5N1 Influenza Virus (avian flu), PIIPA/WHO/WIPO 2007 (EN)
http://www.who.int/csr/disease/influenza/avian_flu_landscape.pdf
- Patent landscape on the Influenza Genome, WIPO/Cambia (EN)
<http://www.patentlens.net/daisy/influenza/4132.html>
- Patent landscape on Alternative Energies
http://www.wipo.int/patentscope/en/technology_focus/alternative_energy.html

WIPO Patent Landscape Reports on alternative energy



- Various fields of **alternative energy** analyzed (solar, wind, bio-energy, hydropower, geothermal energy, wave and tidal power, hydrogen and fuel cells, CCS, waste-to-energy)
- Patent analysis and trends by:
 - geographical distribution
 - field of technology
 - applicant

Patent Landscape Reports: Example 1

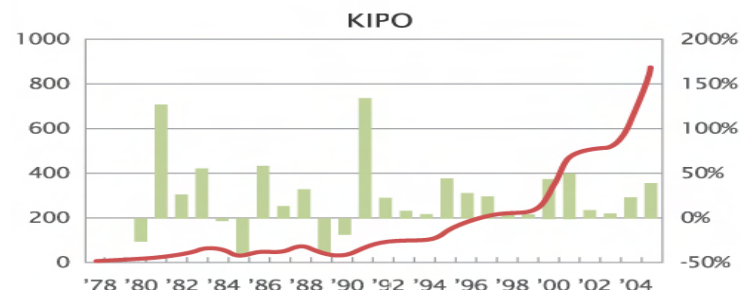
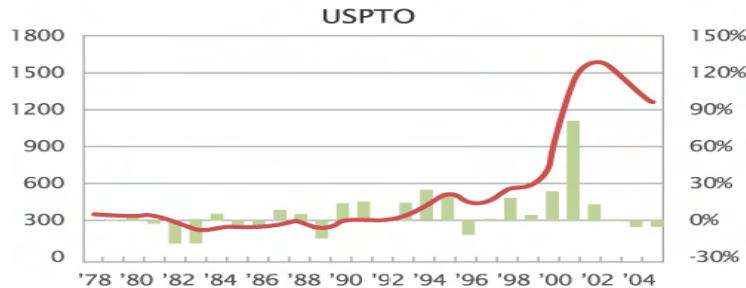
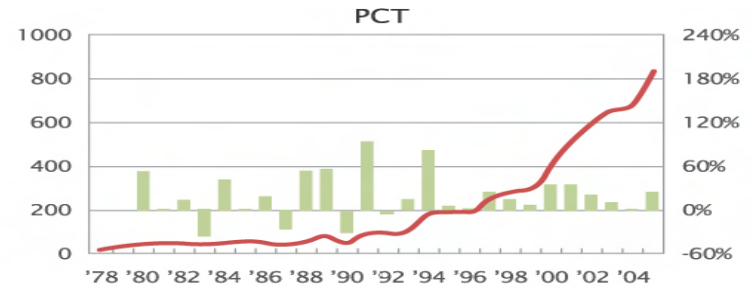
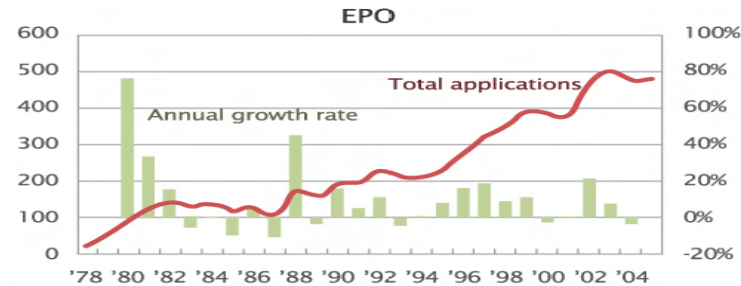


PCT applications by sector and country of origin

Trends over time in specific field

Source: WIPO PLR on Alternative Energy Technologies

Patent Landscape Reports: Example 2



Applications and application growth rates by patent office

Source: WIPO PLR on Alternative Energy Technologies

The new Patent Landscape Reports project

- **WIPO Development Agenda** → Focus on issues of interest for Developing Countries
- Approach: cooperation with IGOs, governments and interested parties → **demand driven**
- Key areas of priority: Climate Change / Environment/ Energy, Public Health, Food and Agriculture
- Expected results:
 - Reports on specific areas of interest foremost for DCs
 - Innovative methodologies for technology analysis
 - 12 PLRs envisaged for 2010-2011

PLRs – Envisaged projects

- PLR on vaccines – cooperation with WHO
- PLR on antiretrovirals – cooperation with UNITAID
- PLR on solar cooking and solar cooling
- PLR on salinity tolerance – cooperation with FAO

Furthermore:

- Further PLR in adaptation technologies
- PLR on clean water/irrigation technologies
- PLR on animal breeding
- PLRs are demand driven – DC input needed for delivery of useful PLR

Patent Landscape Reports Website

- Establishing a dedicated website
 - Links to existing reports (online soon)
 - Links to groups/institutions active in the field
 - General background/information

Existing patent landscape reports - Microsoft Internet Explorer

http://ocms.wipo.int/patentscope/en/programs/patent_landscapes/pl_existing_reports.html

File Edit View Favorites Tools Help

Existing patent landscape reports

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WIPO IP SERVICES

WIPO Home

WORLD INTELLECTUAL PROPERTY ORGANIZATION














Home > IP Services > PATENTSCOPE® > Projects & Programs

Existing patent landscape reports

Various international organizations, national IPOs and private sector entities have produced patent landscape reports. This section is dedicated to identify existing patent landscapes, which can either be directly retrieved in a PDF format or be accessed upon request, free of charge or fee-based. The patent landscape reports have been classified in the following categories: Public Health, Climate Change/Environment/Energy, Food and Agriculture and Various. Please note that this is not an exhaustive listing and that this section will be constantly updated. For that purpose, WIPO welcomes every input in order to extend this selection. Kindly send any relevant information to Irene.Kitsara@wipo.int.

- [Public Health/Life Sciences](#)
- [Climate Change/Energy](#)
- [Food and Agriculture](#)
- [Other Patent Landscape Reports related links](#)

Public Health/Life Sciences

TITLE	DOCUMENT	AUTHOR	LANGUAGE
Patent Landscape of H5N1 Influenza Virus		PIIPAWHOWWIPO 2007	English
Determining the patent status of essential medicines in developing countries		Medicins sans frontières (MSF) /WHO/UNAIDS Secretariat , 2004	English
Human Telomerase Gene (Cancer diagnostics and stem cell uses)		Cambia	English
Adjuvants		Cambia	English
Influenza Genome (Executive summary)		Cambia	English
Analysis of "Junk DNA" Patents		Cambia 2004	English
CDK Inhibitors patent landscape (Abstract available. Patent Landscape report fee-based)		Fist, October 2009	English/French
HIV Therapy patent landscape (Abstract available. Patent Landscape report fee-based)		Fist, April 2009	English/French
Malaria patent landscape		Fist July 2009	English/French/Spanish
HIV Drug patents in China, Initiative for Access to Medicines and Knowledge (IMAK)		Tahir Amin, May 2010	English
Patent Landscape of Protein and Peptide Vaccines for HIV		Pierce Law ITTI, Spring 2009 (<i>not accessible online</i>)	English
Nanoparticles for bioimaging patent landscape		Frinnov May 2010 (EN, FR) (Abstract available. Full Patent Landscape Report fee-based)	English, French
The Patenting of Human DNA: Global Trends in Public and Private Sector Activity		(the PATGEN project), SPRU, Science and Technology Policy Research, University of Sussex, November 2006	English

http://www.wipo.int/portal/index.html.en

Local intranet 100%

Thank you for your kind attention!