

Subregional Seminar on the Legal Protection of Biotechnology and Genetic Resources

Banska Bystrica, May 2 and 3, 2007

Charting Future Directions

Hans Georg Bartels



WORLD
INTELLECTUAL
PROPERTY
ORGANIZATION

Overview

- **Challenges**
- **Approaches**



WORLD
INTELLECTUAL
PROPERTY
ORGANIZATION

ORGANISATION
MONDIALE
DE LA PROPRIÉTÉ
INTELLECTUELLE

ORGANIZACIÓN
MUNDIAL
DE LA PROPIEDAD
INTELLECTUAL

Challenges

- **Fundamental human needs: health, food, environment**
- **Rapidly moving environment**
- **Bioethics implications**
- **Public interest**
- **Benefits and limitations of intellectual property**



WORLD
INTELLECTUAL
PROPERTY
ORGANIZATION

ORGANISATION
MONDIALE
DE LA PROPRIÉTÉ
INTELLECTUELLE

ORGANIZACIÓN
MUNDIAL
DE LA PROPIEDAD
INTELLECTUAL

Approaches

- Outside intellectual property
- Inside intellectual property
- Policy space



WORLD
INTELLECTUAL
PROPERTY
ORGANIZATION

ORGANISATION
MONDIALE
DE LA PROPRIÉTÉ
INTELLECTUELLE

ORGANIZACIÓN
MUNDIAL
DE LA PROPIEDAD
INTELLECTUAL

Outside intellectual property

For example:

- **Environment**
- **Biodiversity**
- **Health policy**
- **Ethics**
- **International and national action**



WORLD
INTELLECTUAL
PROPERTY
ORGANIZATION

ORGANISATION
MONDIALE
DE LA PROPRIÉTÉ
INTELLECTUELLE

ORGANIZACIÓN
MUNDIAL
DE LA PROPIEDAD
INTELLECTUAL

Inside intellectual property

- **Lessons from practical experiences**
- **Developments based on facts**
- **Benefits and limitations**
- **Particular role for stakeholders on their respective levels**
- **Intellectual property law:**
 - international framework
 - national law
- **Intellectual property practice**
 - patent information
 - patent quality
 - training
- **Intellectual property management**



WORLD
INTELLECTUAL
PROPERTY
ORGANIZATION

ORGANISATION
MONDIALE
DE LA PROPRIÉTÉ
INTELLECTUELLE

ORGANIZACIÓN
MUNDIAL
DE LA PROPIEDAD
INTELLECTUAL

Focus: Patent Information and Quality

- **Enhanced use of patent information**
 - availability and quality of data
 - cooperation between offices
- **Review of**
 - searchable prior art
 - patent classification
 - search and examination guidelines
- **Quality management systems,**
e. g: PCT Quality Framework:
Reporting on Quality Management Systems
- **Training**
- **Support government policy related to**
 - ownership and dissemination of technology
 - use and transfer of technology
 - research & development



WORLD
INTELLECTUAL
PROPERTY
ORGANIZATION

ORGANISATION
MONDIALE
DE LA PROPRIÉTÉ
INTELLECTUELLE

ORGANIZACIÓN
MUNDIAL
DE LA PROPIEDAD
INTELLECTUAL

Policy space

- **Understanding patenting trends in the life sciences**
- **Increasing knowledge about, and trust in intellectual property protection**
- **Practical level**
 - deployment of intellectual property in research and development and
 - effective access to innovation
- **Normative, policy and standard setting level**
- **Innovation structures, e.g.:**
 - intellectual property management
 - collaborative innovation
 - public private partnerships



WORLD
INTELLECTUAL
PROPERTY
ORGANIZATION

ORGANISATION
MONDIALE
DE LA PROPRIÉTÉ
INTELLECTUELLE

ORGANIZACIÓN
MUNDIAL
DE LA PROPIEDAD
INTELLECTUAL