

International Conference on Intellectual Property and Development
How to Benefit from the IP System, May 20, 2019



REGIONAL INITIATIVES' ENGAGEMENT WITH GLOBAL ISSUES

Theme: How the IP system benefits global issues

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**SOUTH AFRICAN
RESEARCH CHAIR:**

Intellectual Property,
Innovation and Development



Context: Global challenges & goals



Trade integration

- **AfCFTA** - African Continental Free Trade Agreement (May 30, 2019 - 1st 22)
- **CETA** - Canada – EU Comprehensive Economic and Trade Agreement (September 21, 2017 - prov application)
- **CPTPP** - Comprehensive and Progressive Agreement for Trans-Pacific Partnership (December 30, 2018 - 1st six)
- **RCEP** - Regional Comprehensive Economic Partnership

IP PROVISIONS/CHAPTER/PROTOCOL

Global Issues

- Health
- climate change
- food security
- social, economic and cultural development

Human Rights |ethical considerations| binding obligations |diverse innovation systems

How IP can benefit innovation

- Incentivise and reward innovative solutions
- Support further innovation
- Facilitate access, dissemination & transfer of technologies
- Wide range of IP rights ought to be deployed **appropriately**

Some examples...

Human Rights |ethical considerations| binding obligations |diverse innovation systems

All Results

[Technologies \(2\)](#)

All Categories

[Building & Construction \(2\)](#)

Country/Territory

[South Africa \(2\)](#)

Provider (Company/organization)

[The Innovation Hub Management Company \(2\)](#)

Development Stage

[Proven record of commercial use \(1\)](#)
[Under R & D \(1\)](#)

Sort by Date

[Sort by Relevance](#)

Mechanical Concrete for Road Construction

Tiro Sechaba Construction is the trademark owner and exclusive licensee for Mechanical Concrete technology developed in the USA. The technology is a simpler, stronger, and more economical method for stabilising and strengthening aggregates and soils used in road construction. It is used for the construction of the road or highway base or shoulder b ...

Last updated: April 02, 2015

Submitted by: [The Innovation Hub Management Company](#)

Educational Construction Toy - Tugo

Tugo is a new concept in the South African market for construction toys aimed at building key motor coordination and lateral thinking skills in children 3 years and older. The patented product comprises a basic set of joints and connectors for building cars, trucks, houses and bridges which can be extended using recycled household cores such as toi ...

Last updated: April 02, 2015

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TECH-INNOV NIGER

Technology features

Resources to be saved or improved	Solid Fuel, Natural gas, Electricity, Water
Benefits	This process Tele-Irrigation allows the save of time and energy, the increase of irrigable area, increased production and income, an irrigation water management mastered and reduced carbon by the abandonment of fuel for clean energy. The system also preserves human health, it contributes for the reduction of child labor, improve working conditions of farmers, the producer are secured against water stress in plants. The Tele-Irrigation kit consists of a power station (solar or wind), a pumping device (a sheet with a water pump), a water distribution network (network irrigation) and a telecom equipment (remote control). In short, the system transforms the mobile phone and solar and wind energy in agricultural production tools
Technology type	Process, System or software, Device or equipment
Technical fields	Farming & Forestry > Farming techniques Water > Water efficiency Energy > ICT in energy

Development status

Stage of development	Proven record of commercial use
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Innovation supportive IP provisions in RTAs

- pro-development
- context appropriate
- principles-based
- flexibilities **and beyond...**

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IP and food security: an example

- Phenotyping and agronomic technology
- improving crop production and food security
- Regional initiative: Commission of the Economic Community of West African States (ECOWAS) and the EU

IP IMPLICATIONS FOR FOOD SECURITY IN AFRICA

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Cross-posted from [U of S Plant Phenotyping and Imaging Research Centre](#)

By [Uchenna Ugwu](#)



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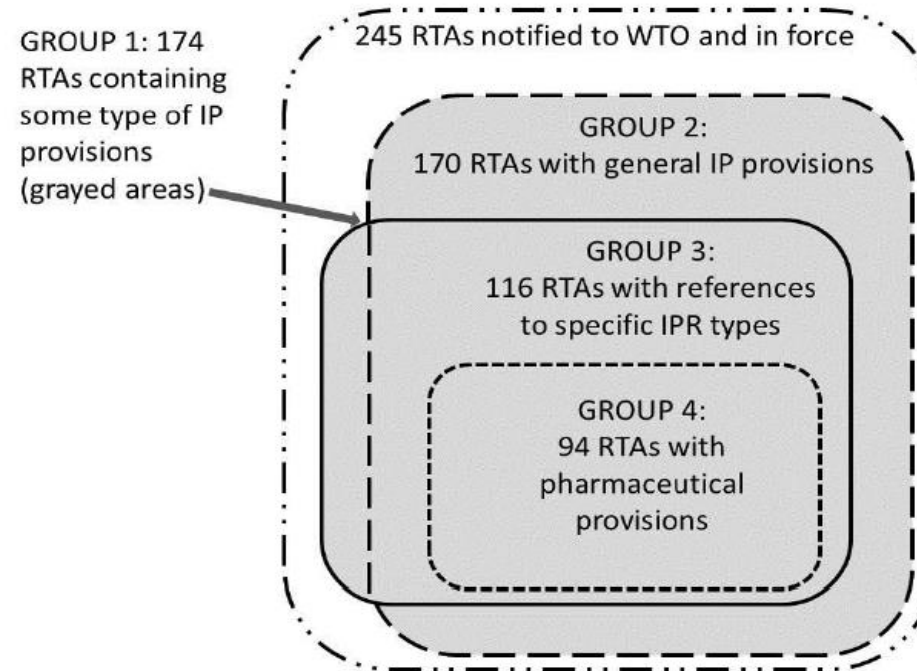


IP and global health

- Regional initiatives IP and trade provisions: policy choices
 - Foster innovation, **access**, dissemination & tech transfer
 - Use standard approaches - maximise flexibilities
 - consider new approaches
 - e.g. new incentives for health and technology innovation, *United Nations Secretary-General's High-Level Panel on Access to Medicines, September 2016 Report*

Innovation and IP in RTAs: some trends

- Valdés and McCann (2014) [Intellectual property provisions in regional trade agreements: Revision and update](#)



- 2019 IP provisions in **AfCFTA** (Phase II), **CETA**, **CPTPP**, **RCEP**

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IP provisions, regional trade & global issues

- Must be informed by
 - Policy choices
 - Binding internal & external obligations
 - Human rights & ethical considerations
 - National priorities
- Better not to have any provisions than to have “bad” provisions

Thank you!



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