



***Innovation Pathways to  
Commercializing Agricultural  
Research Results in Africa (AATF)  
and  
Identification and Prioritization of  
Intractable Biotic and Abiotic  
Constraints to African Agriculture  
(US National Research Council)***

AATF Side Event at FARA General Assembly 2007

11 June 2007, Johannesburg, South Africa

***better tools, better harvests, better lives***



# **Agricultural Innovation Platforms for Technology Delivery: AATF's Experience**

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**African Agricultural Technology Foundation**

**AATF Side-Event at FARA General Assembly**

**Johannesburg, South Africa**

**11 June 2007**

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# AATF Mission and Vision

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## Mission

Why we Exist

**Access and deliver proprietary agricultural technologies for sustainable use by African smallholder, and in particular resource-poor farmers, through innovative partnerships and effective technology/product stewardship along the entire food value chain**

## Vision

What We Want to Achieve

**Prosperous farmers and a food secure Africa, enabled through AATF's catalytic role in bringing innovative technologies to smallholder farmers**

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# AATF Strategic Thrusts

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- ❑ **Negotiating access to and ensuring stewardship of proprietary technologies that enhance the productivity of agriculture in Africa**
  - ❑ **Managing partnerships for project formulation, product development and deployment to introduce innovative agricultural technologies to African farming systems**
  - ❑ **Managing information and knowledge to support technology identification, product development and deployment, and a conducive policy environment**
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# Agricultural Innovation Platforms

## □ Steps in the value chain

- Technology identification and access
- Research & Development
  - Proof of concept
  - Field testing
- Input production
- Input delivery
- Use of inputs
- Surplus marketing

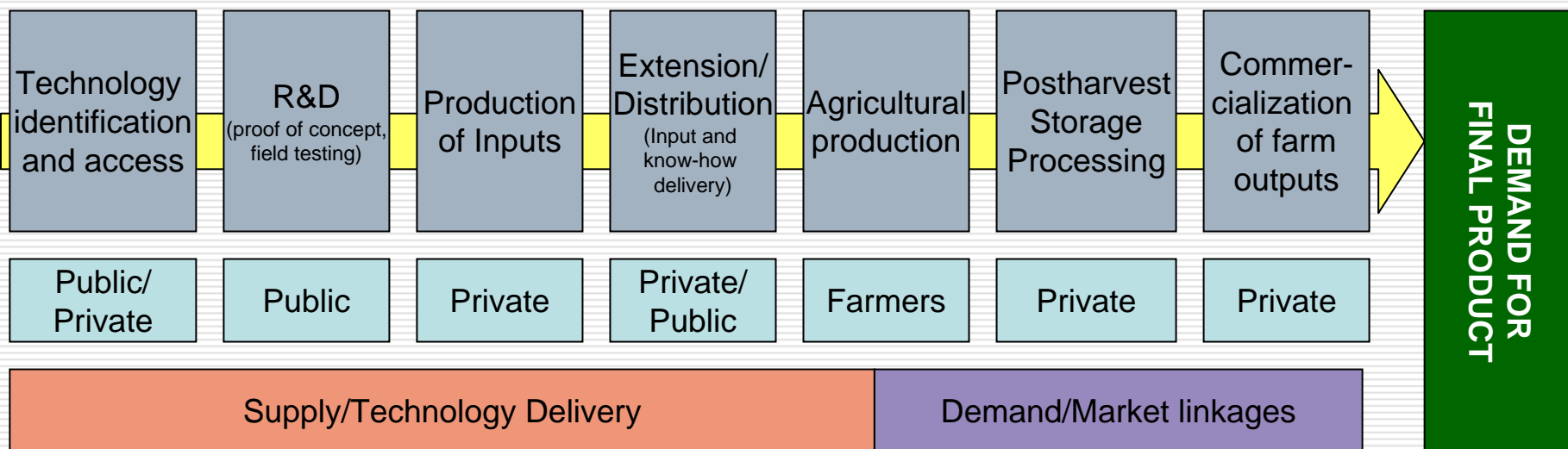
## □ AATF Roles

- IP management
- Regulatory compliance
- R&D management
- Monitoring and facilitation
- Communication
- Stewardship
- Impact assessment
- Partnership Management

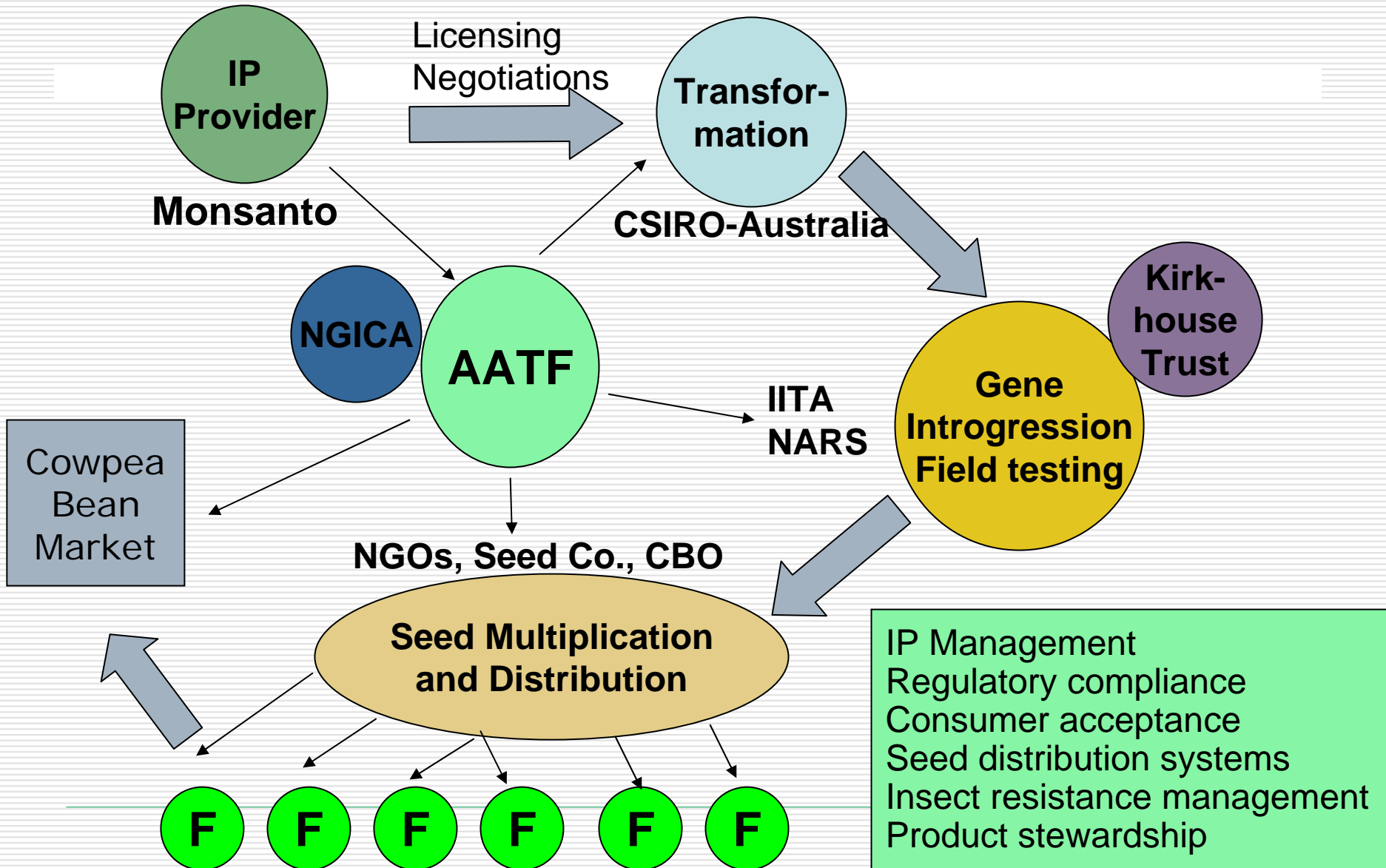
➔ **Products for increased productivity**

➔ **Pathways for technology delivery to smallholder**

# Technology/product value chain

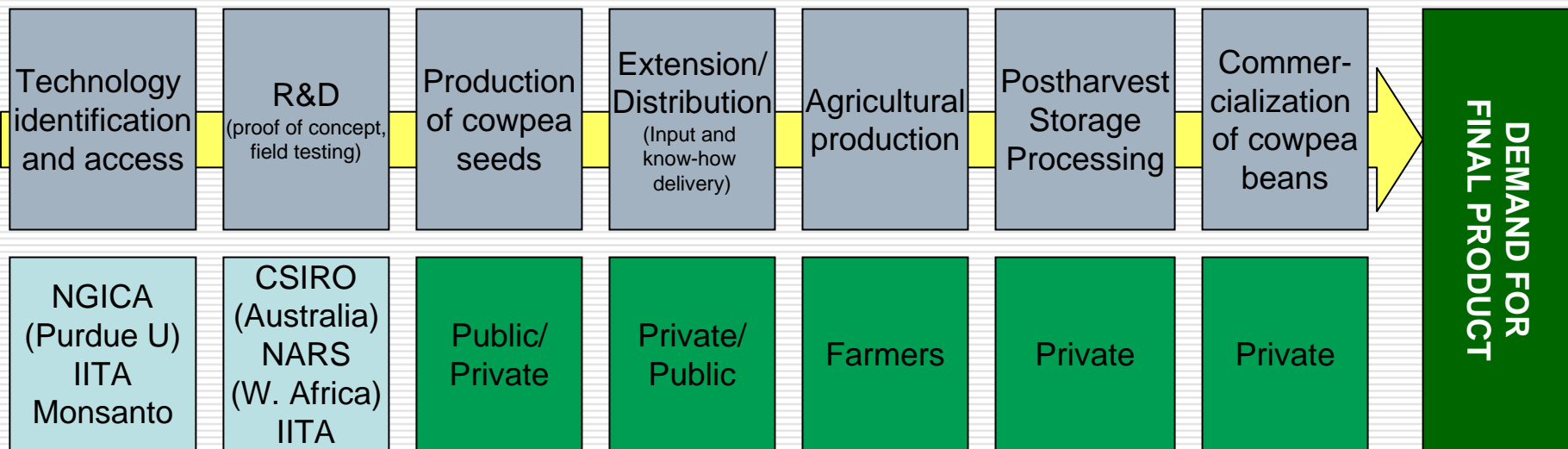


# Innovation Platform for Insect-Resistant Cowpea

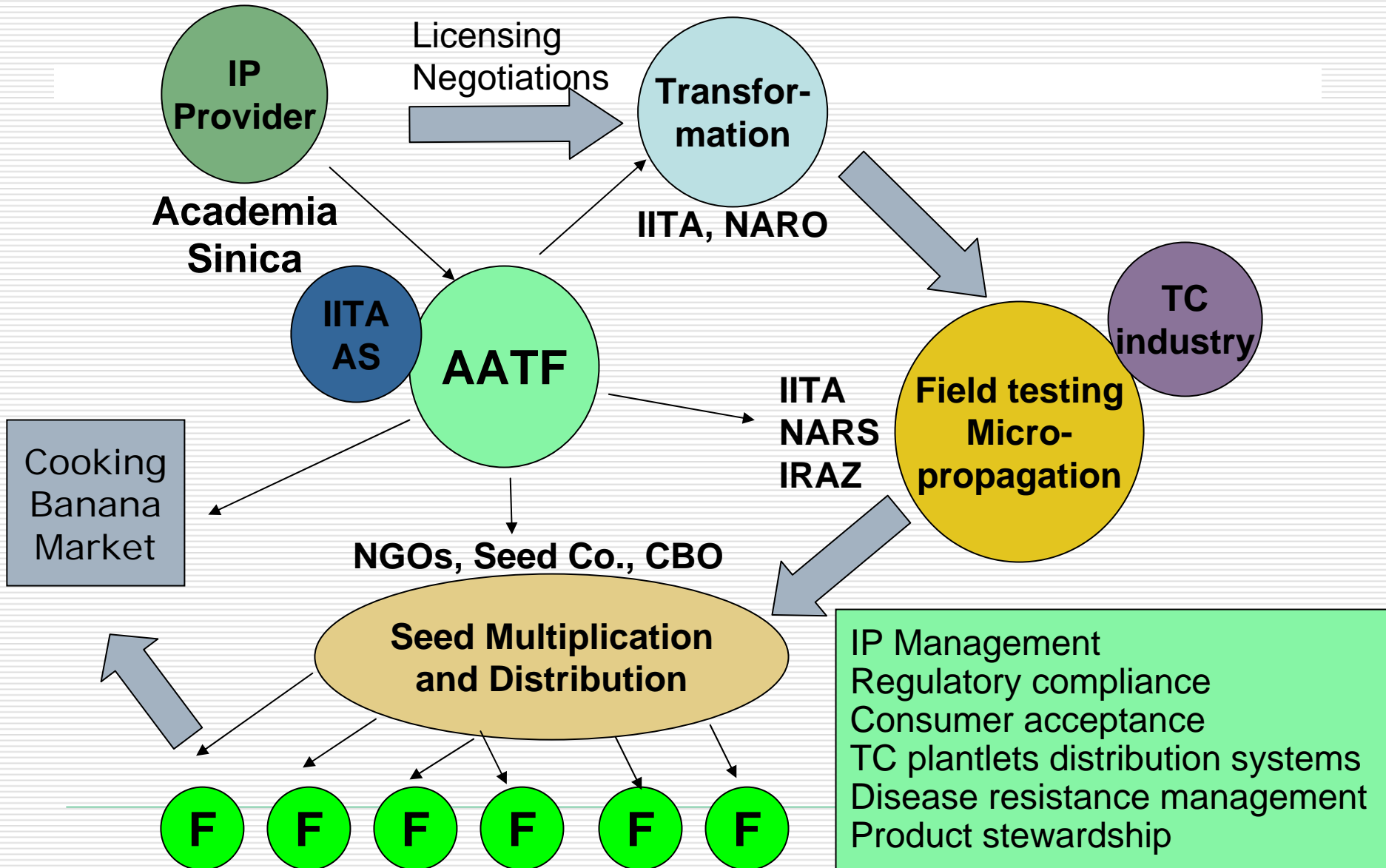




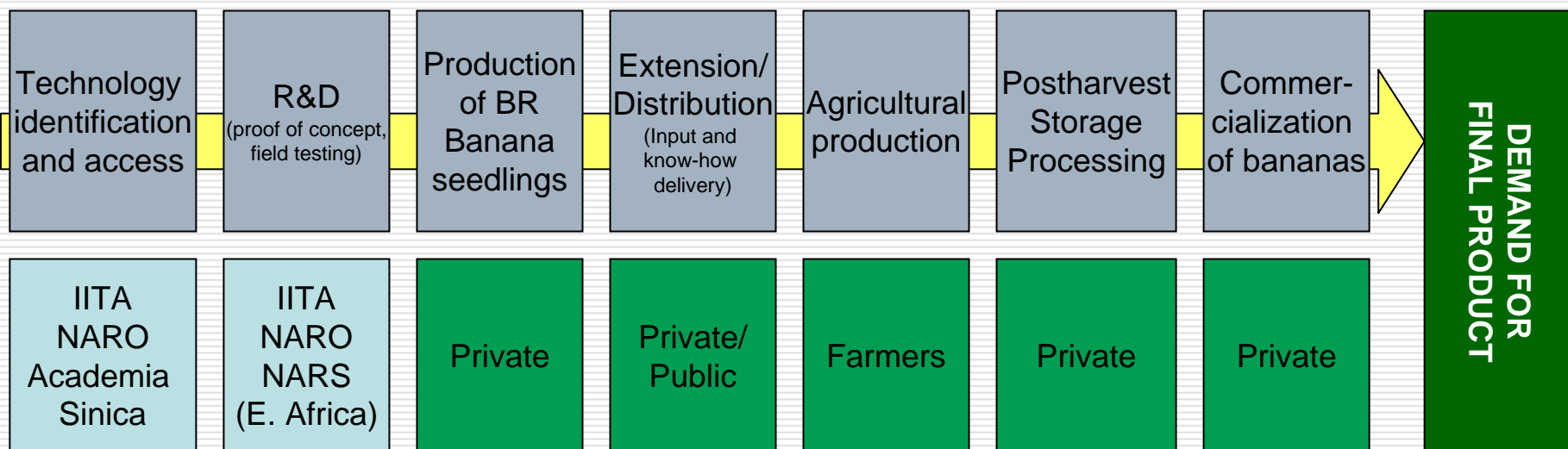
# Technology/product value chain for insect resistant cowpea



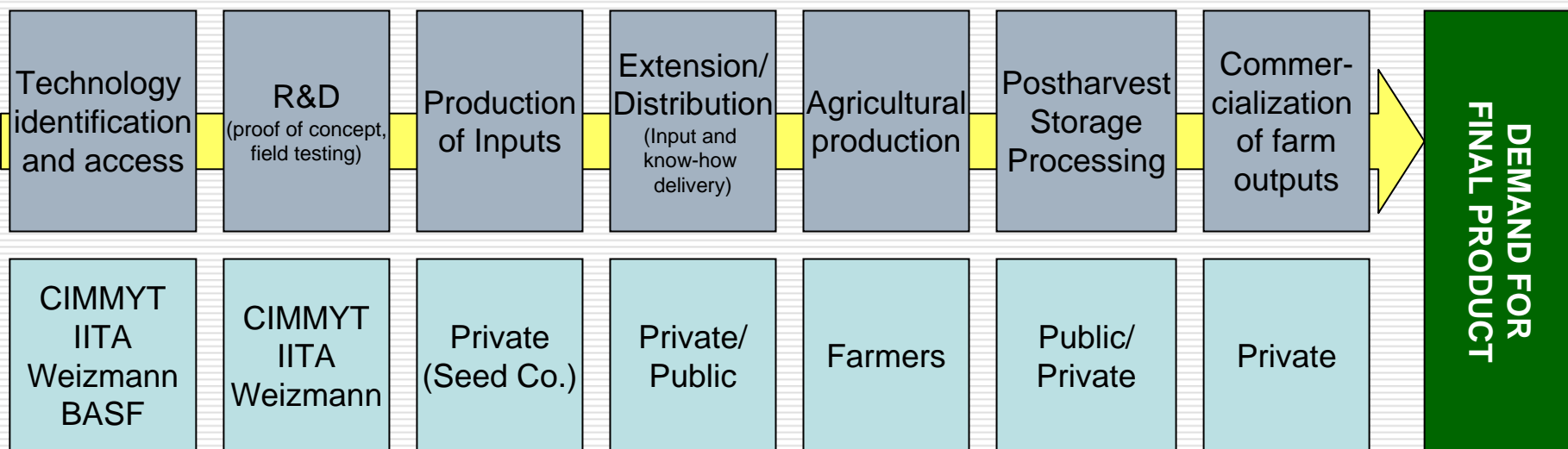
# Innovation Platform for BBW-Resistant Banana



# Technology/product value chain for BBW-resistant bananas

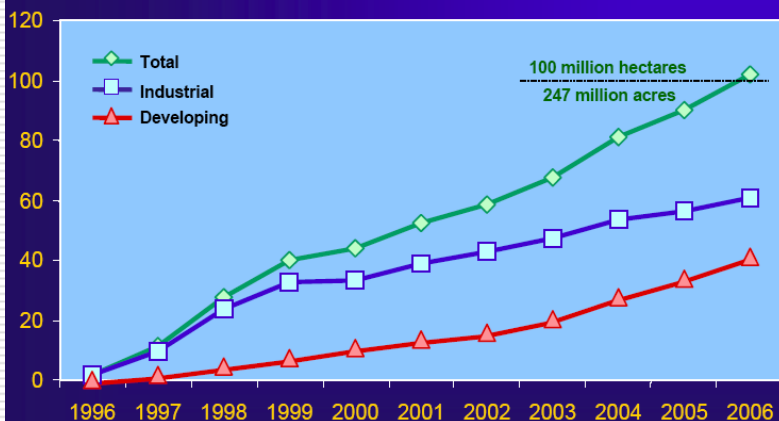


# Technology/product value chain for IR maize for striga control



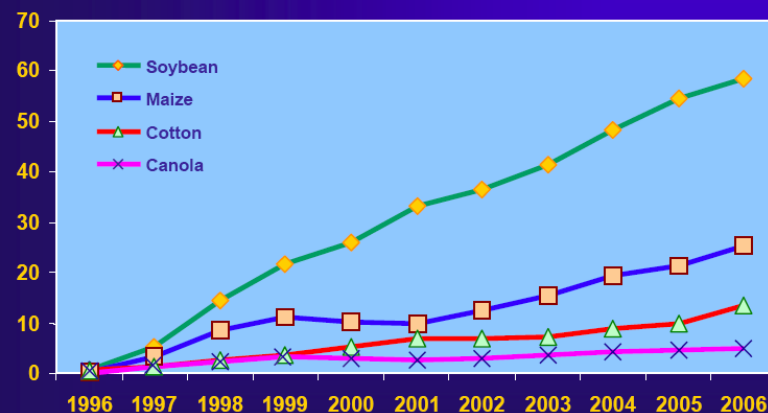
# Will the gene revolution pass Africa by?

Global Area of Biotech Crops, 1996 to 2006:  
Industrial and Developing Countries (Million Hectares)



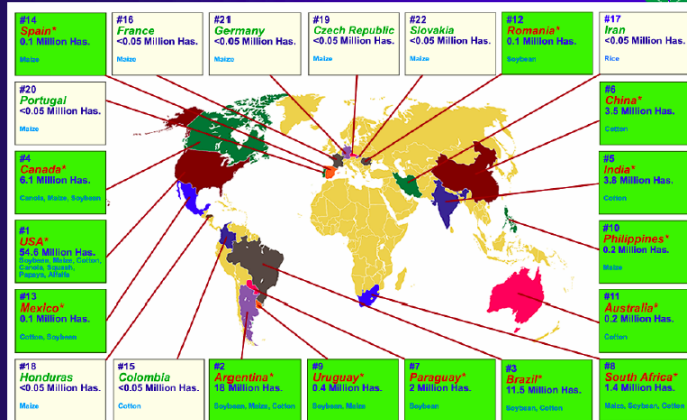
Source: C.James, ISAAA, 2006

Global Area of Biotech Crops, 1996 to 2006:  
By Crop (Million Hectares)



Source: C.James, ISAAA, 2006

Biotech Crop Countries and Mega-Countries\*, 2006



\* 14 biotech mega-countries growing 50,000 hectares, or more, of biotech crops.

Source: Clive James, 2006



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