



Quisqueya university school of agriculture and Environmental Science

A school of agriculture to work for,
a school of agriculture to work with,
other actors in the innovation system in order to
improve rural families' economic security

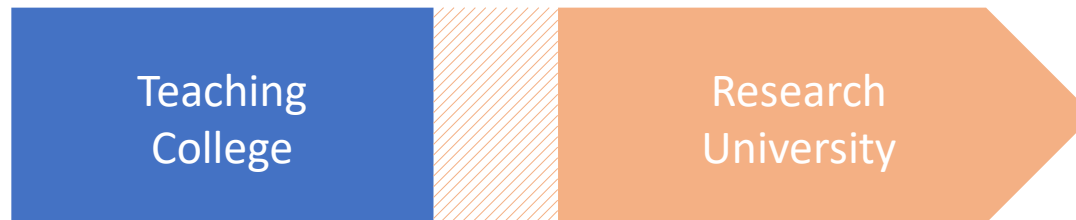
Building a better network of actors in
the agriculture value chains in order to
increase wealth creation in Haiti's rural areas

Gael Pressoir

Dean of the College of Agriculture and Environmental sciences

Adjunct vice rector for research

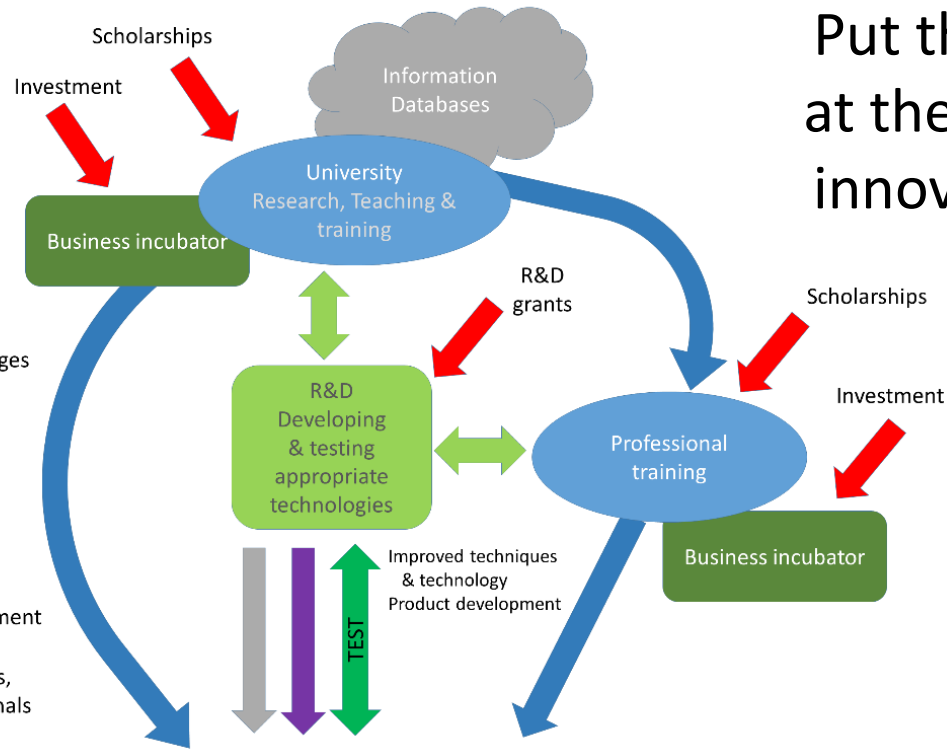
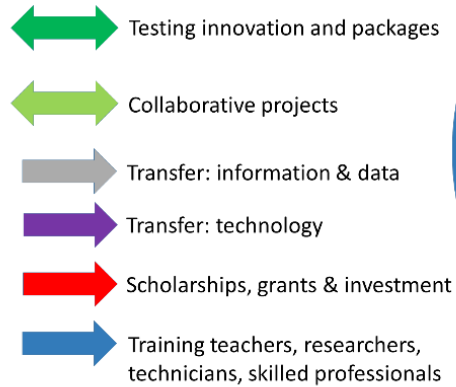
The School of Agriculture at Quisqueya University is transitioning



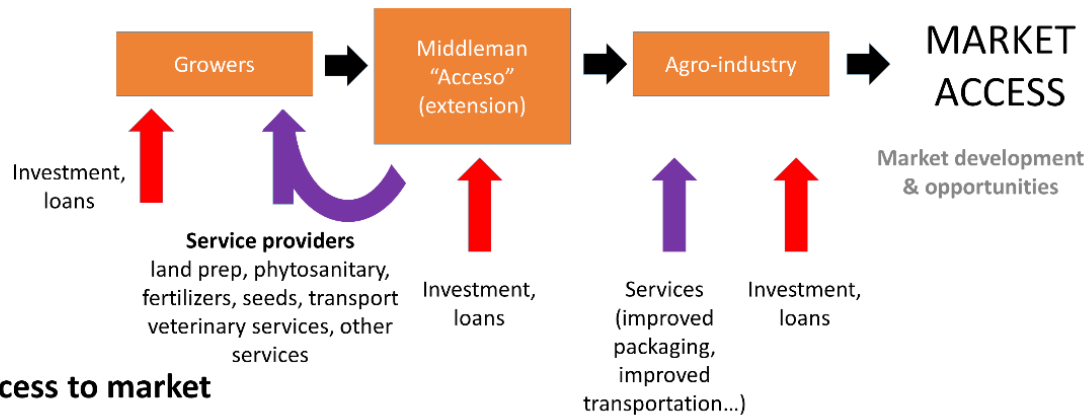
- Research & Extension
- Training student for professional degrees (experiential training, entrepreneurship)
- Training student toward Science and Technology (experiential training)

Improving how the innovation system works

- Improving access to appropriate technologies
- Enhancing innovation along the value chains
- Improved the number and the quality of skilled professionals (improved higher education)
- Incubate new businesses & promote entrepreneurship from young professionals

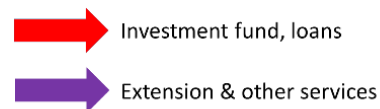


Put the university at the heart of the innovation system



Improving access to market Creating opportunities for growers

- Economic sustainability & development
- Food and economic security
- Increasing revenues from production
- Increasing employment numbers and quality



A new role for Haiti's Universities

Getting more Haitian products to the market

- Training a new generation of ag entrepreneurs
- Running a business incubator

Professional engineers “Entrepreneurship, Agriculture production and rural-community development”

Innovation & appropriate technology

- Increasing land productivity and farmer/time productivity
- Product development (market driven)

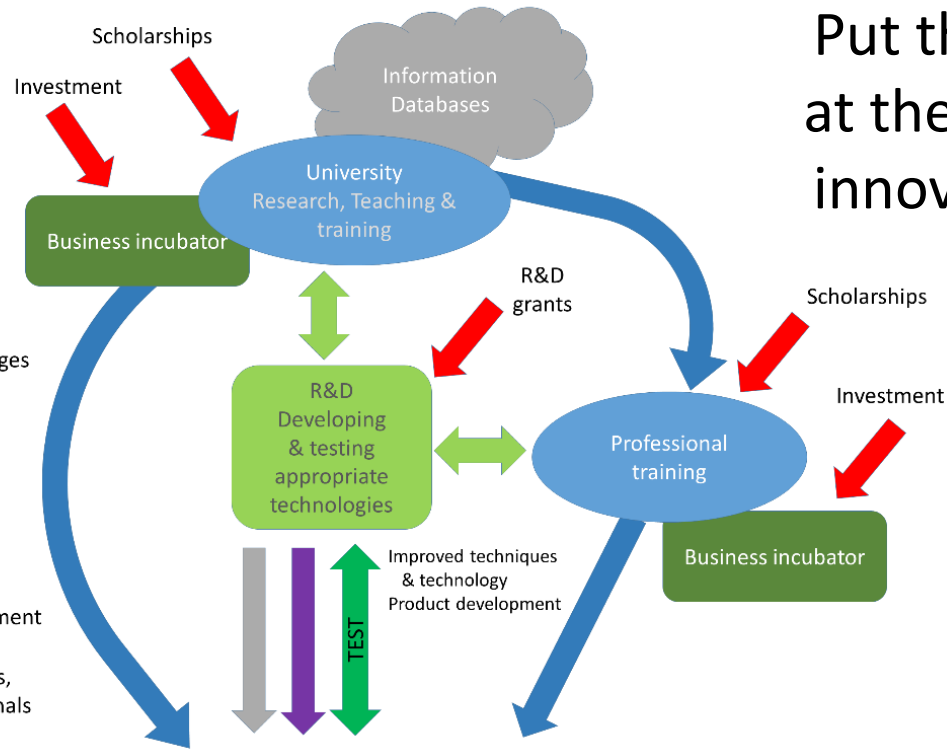
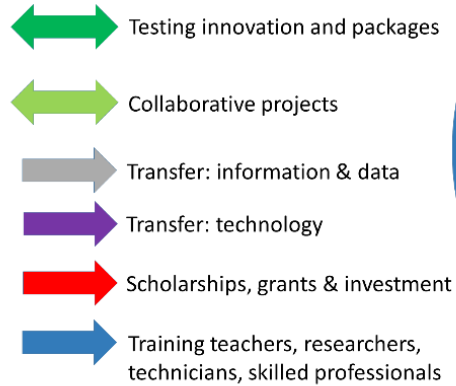
Sci & Tech engineers “Agriculture and life sciences”

Recruiting a team (researchers – solving problems)

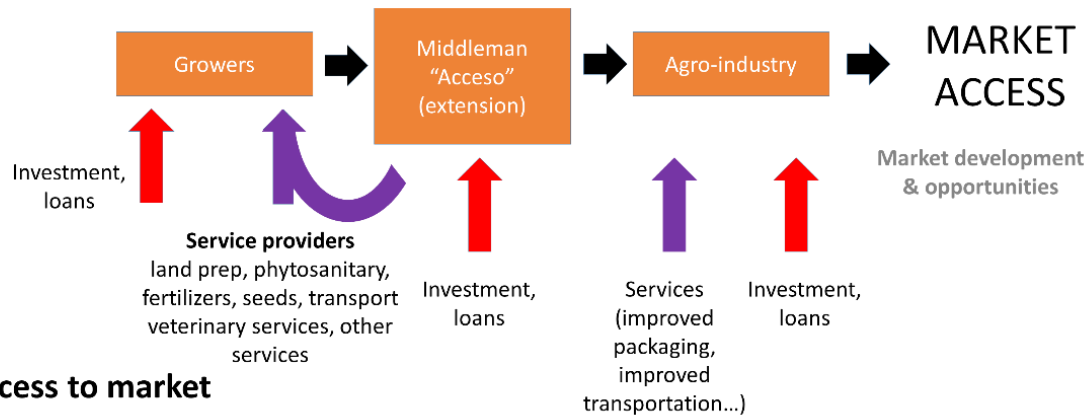
- 1) Entrepreneurship: Economy, market/value chain development, statistics and production & land use monitoring;
- 2) Plant breeding (climate resilience, yield, resistance to pest and diseases);
- 3) Animal breeding: productivity, rusticity and quality;
- 4) Soil fertility management,
- 5) Sustainable intensification: maximizing land productivity, conservation agriculture;
- 6) Appropriate mechanization (2 ha farms... 20 ha producers' block)
- 7) Agroecology, perennial crop system for mountainous regions;
- 8) Phytopathology : control of pest and diseases ;
- 9) Epidemiology, hygiene and animal pathology
- 10) Animal nutrition and feed production from local products ;
- 11) Food science and development of novel food products ;
- 12) Food safety and traceability.

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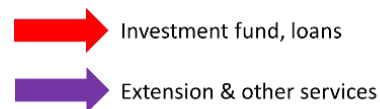


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Sorghum Cluster

maintenance

Services
Packaging

Financial
services and
insurance

Seed (ORE)

Land prep and
planting (service
providers)

Sorghum
Producers

Sorghum
mill
(EDNSA)

Milled sorghum
products

Beer and malted
drinks (BRANA)

Animal feed
(Hi Pro)

Snacks, breakfast
cereals, couscous
(extruded products)

Flour and semolina
(EDNSA)

Bakeries and
industrial pastries

Distribution

Qualified personnel

Increase productivity
New varieties
New technologies

R&D – product dev
Product differentiation
Operative efficiency

University

Entrepreneurship, Agriculture production and community development

- Graduate with (or in) an entrepreneurial project ;
- A company that solves a problem : (1) increasing Haiti's production, (2) developing new markets for farmers' production, (3) ...
- There is a product (or service) developed by the students ;
- The students learn to develop businesses and business relationships within the communities;
- The students have developed the skills, know-how, for agriculture production and transformation

Agriculture and life sciences

- Graduate with a research project ;
- The research addresses a problem ...
- Experiential learning: inbeded in our research facilities ;
- Experiential learning: Understanding the science “in the fields” ;
- The students have developed the skills, know-how, for R&D (innovation: product – service development), research,

**Thank you
for your attention**