ENGINEERED WOOD PRODUCTS ADOPTION FOR A SUSTAINABLE WORLD
PRESENTATION OUTLINE

- MY UNIVERSITY
- IMPORTANCE OF CONTEXTUAL FACTORS
- FULL ADOPTION MODEL
- CRITICAL ROLE OF TRAINING
- COST OF TRAINING AND FEASIBILITY
- THE WAY FORWARD
- CONCLUSION
University of Kibungo (UNIK) was founded in March 2003 by the people of the Eastern Province with the support of local governance and religious organizations.
FACULTIES

UNIK has 3 running faculties:

- Faculty of Education
- Faculty of Economics and Business Studies
- Faculty of Agriculture and Rural Development
GEORGE WASHINGTON UNIVERSITY
George Washington University
Students from Université Catholique de Louvain/Belgium
Belgium Students on field
LOCAL ALLIANCES
STATE MINISTER OF AGRICULTURE VISIT
HINGA WEZE & RYAF & MIS RWANDA VISIT
UNIK STUDENTS IN PRACTICE
Fish Farm Visit of UNIK Students
UNIK PROVIDE TRAINING TO CARITAS STUDENT

Avocado Multiplication (grafting )

Compost pile (Organic Manual)
UNIK STUDENT IN POULTRY AFRICA 2019
Period 6 to 14 weeks:

- Target: Control FI and control consumption, ration, to maintain appetite
  - The consumption is bigger => body weight advance
  - If the consumption is bigger => appetite no maintain

- How?
  - With feed distribution management
    - Mix
    - Empty of feeding disk
STUDY TRIP IN BNR
STUDY TRIP IN BNR
PRIVATE SECTOR ENGAGEMENT
IMPORTANCE OF CONTEXTUAL FACTORS

Chi-Square=39.24, df=30, P-value=0.12054, RMSEA=0.039
FULL ADOPTION MODEL

IDT CONSTRUCTS

Product characteristics

Environ. factors

Firms characteristics

TAM CONSTRUCTS

Perceived usefulness

Perceived ease of use

Intent. to use

Actual use

IDT CONSTRUCTS

TAM CONSTRUCTS
Chi-Square=189.69, df=136, P-value=0.00162, RMSEA=0.044
CRITICAL ROLE OF TRAINING VS OTHER VARIABLES

ON PERCEIVED USEFULNESS

- Relative Advantage : 0.59
- Infomediaries : 0.31
- Employees : 0.21

ON PERCEIVED EASY OF USE

- Employees : -0.16
- Peer Usage : 0.27
- Training : 0.39
FORGOTTEN CONGO BASSIN FORESTS

- BURUNDI, RWANDA, DRC, CONGO B, CAMEROON, GABON, CENTRAL AFRICA REPUBLIC

- TOTAL FOREST AREA 242 MHA VS CANADA 347 MHA, USA 310 MHA, CHINA 208 MHA

- VARIOUS SPECIES

- NO TRAINING ON VALUE ADDITION AND BIOECONOMY

- NO GENE BANK

- NO RESEARCH
COST OF TRAINING AND FEASIBILITY

- RESEARCH CHAIR TO SUPPORT THE TEACHING
- 5 YEAR PLAN OPEN TO CENTRAL AFRICA STUDENTS 3M USD
- 200 B.SC (ENGINEERS) DEGREE BASED ON NORTH AMERICA SYSTEM OF CREDITS IN HIGHER EDUCATION
- COST PER HOME TRAINED ENGINEER 15 000 USD VS 150 000 IF WE TRAIN THEM ABROAD
TENTATIVE COST BREAKDOWN

- **TEACHING COST**: 3,000 USD PER CREDIT X 120 CREDITS X 5 COHORTS OF 40 STUDENTS EACH = 1,800,000 USD
- **RESEARCH FUND**: 15,000 PER TRACK X 5 TRACKS X 5 YEARS = 375,000 USD
- **UPGRADE OFFICES AND LABORATORIES**: 1,500,000 USD
- **PEDAGOGICAL FOREST**: ON 200 HA OF PLANTED TREES X 400 PER HA X 5 USD = 400,000 USD
- **PUBLICATION, DISSEMINATION, OUTREACH PROGRAMS**: A FLAT FEE OF 50,000 USD PER YEAR X 5 YEARS = 250,000 USD
- **TOTAL**: 1,800,000 + 375,000 + 1,500,000 + 400,000 + 250,000 = 4,325,000 USD RESEARCH CHAIR PROJECT
- **COST PER ENGINEER**: 4,325,000/200 = 21,625 USD VS 160,000 IF WE TRAIN THEM ABROAD!
THE WAY FORWARD

- MY UNIVERSITY COMMITTING FOR 20% OF THE COST
- REMAINING 80% TO BE SHARED BY POTENTIAL DONORS
- FAO AS THE PILOT AND FUNDING AGENCY?
- S. KOREA?
- IFDD?
- FOREIGN UNIVERSITIES?
- CHARITIES AND OTHER PHILANTHROPISTS?
- PRIVATE SECTOR CSR?
- ANY IDEA?
- PARTNER STATES THROUGH SCHOLARSHIP?
- PROGRAME CANADIEN DES BOURSES DE LA FRANCOPHONIE?
- ACDI? DFID?
CONCLUSION ET RECOMMENDATIONS

- ..... 
- ..... 
- ..... 
- ..... 
- ..... 
- ................
Thank You!