

ENGINEERED WOOD PRODUCTS ADOPTION FOR A SUSTAINABLE WORLD



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

P.O.Box 6 Kibungo ; Ngoma District

PRESENTATION OUTLINE

- ◎ MY UNIVERSITY
- ◎ IMPORTANCE OF CONTEXTUAL FACTORS
- ◎ FULL ADOPTION MODEL
- ◎ CRITICAL ROLE OF TRAINING
- ◎ COST OF TRAINING AND FEASIBILITY
- ◎ THE WAY FORWARD
- ◎ CONCLUSION



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UNIVERSITY OF KIBUNGO

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.



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FACULTIES

UNIK has 3 running faculties :

- Faculty of Education
- Faculty of Economics and Business Studies
- Faculty of Agriculture and Rural Development



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HAUTE ECOLE DE CONDORCET BELGIQUE



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GEORGE WASHINGTON UNIVERSITY



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

P.O.Box 6 Kibungo ; Ngoma District

George Washington University



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

Students from Université Catholique de Louvain/Belgium



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

P.O.Box 6 Kibungo ; Ngoma District

Belgium Students on field



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

P.O.Box 6 Kibungo ; Ngoma District

LOCAL ALLIANCES



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

P.O.Box 6 Kibungo ; Ngoma District

STATE MINISTER OF AGRICULTURE VISIT



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

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HINGA WEZE & RYAF & MIS RWANDA VISIT



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UNIK STUDENTS IN PRACTICE



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

P.O.Box 6 Kibungo ; Ngoma District

Fish Farm Visit of UNIK Students



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E-mail: info@unik.ac.rw

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UNIK PROVIDE TRAINING TO CARITAS STUDENT



Avocado Multiplication (grafting)



Compost pile (Organic Manual)



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UNIK STUDENT IN POULTRY AFRICA 2019



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Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

P.O. Box 6 Kibungo ; Ngoma District

UNIK STUDENT IN POULTRY AFRICA 2019



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

P.O.Box 6 Kibungo ; Ngoma District

STUDY TRIP IN BNR



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

P.O.Box 6 Kibungo ; Ngoma District

STUDY TRIP IN BNR



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw

PRIVATE SECTOR ENGAGEMENT



University of Kibungo

Website: <http://www.unik.ac.rw>

E-mail: info@unik.ac.rw



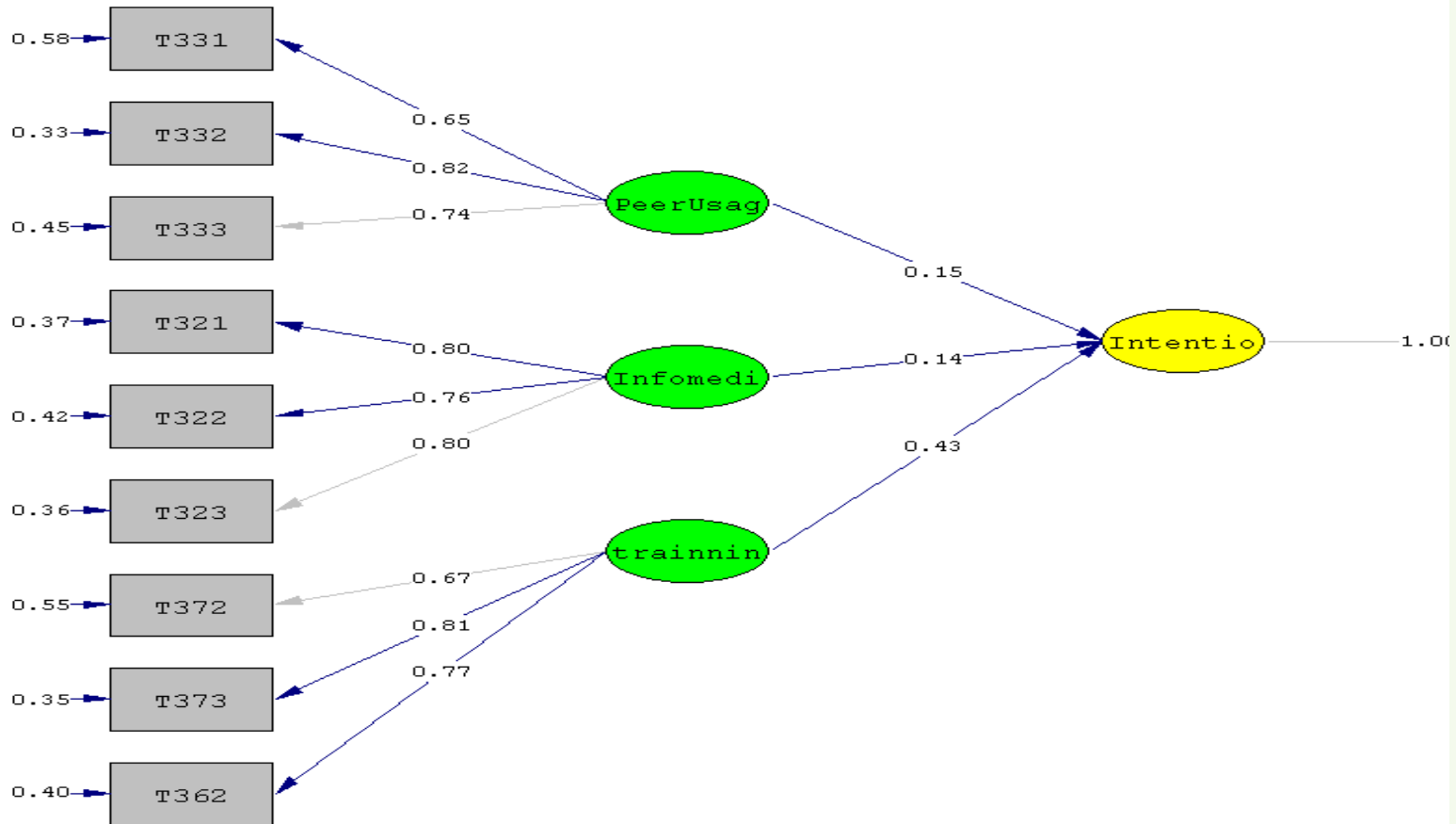
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IMPORTANCE OF CONTEXTUAL FACTORS



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



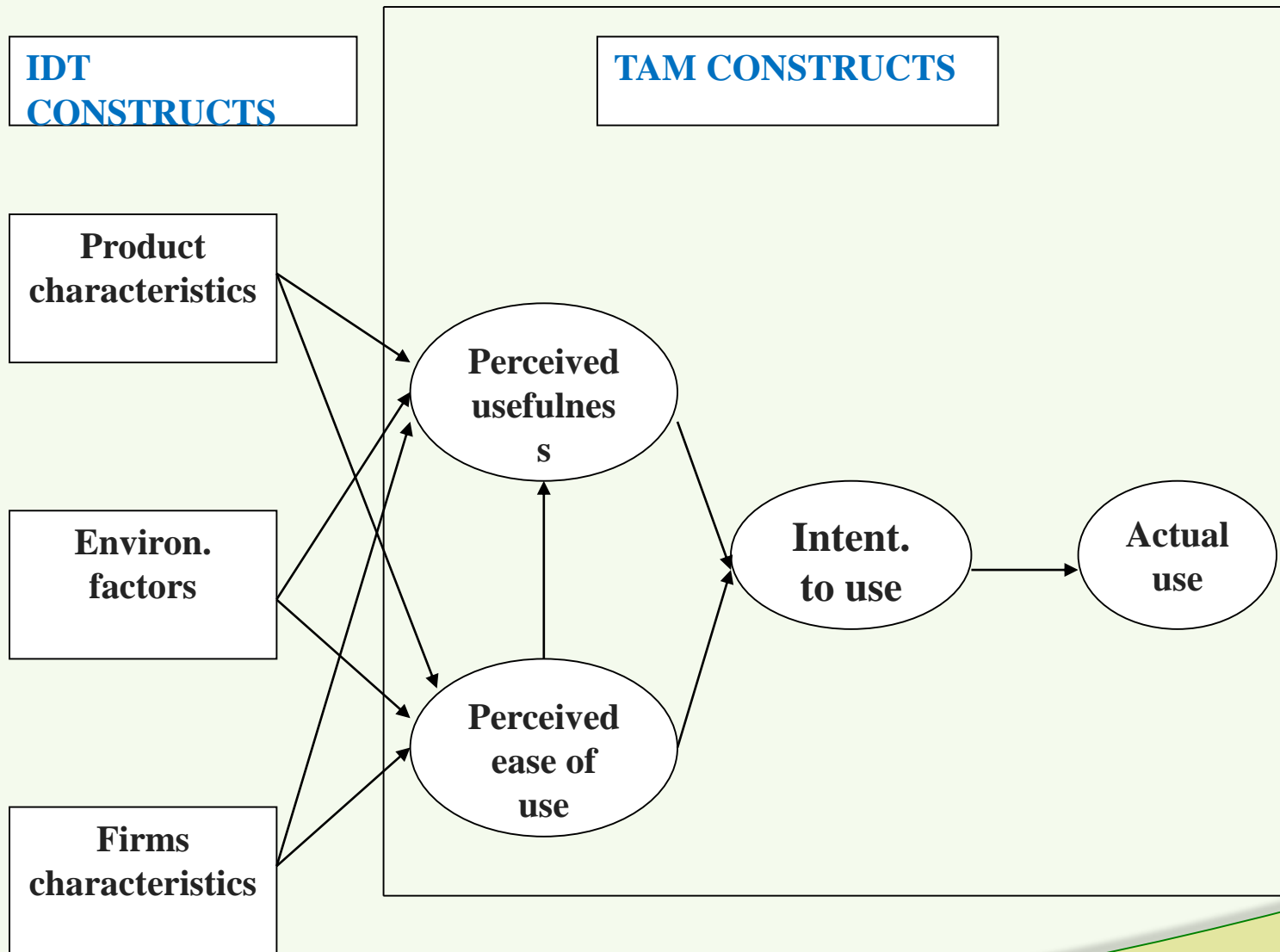
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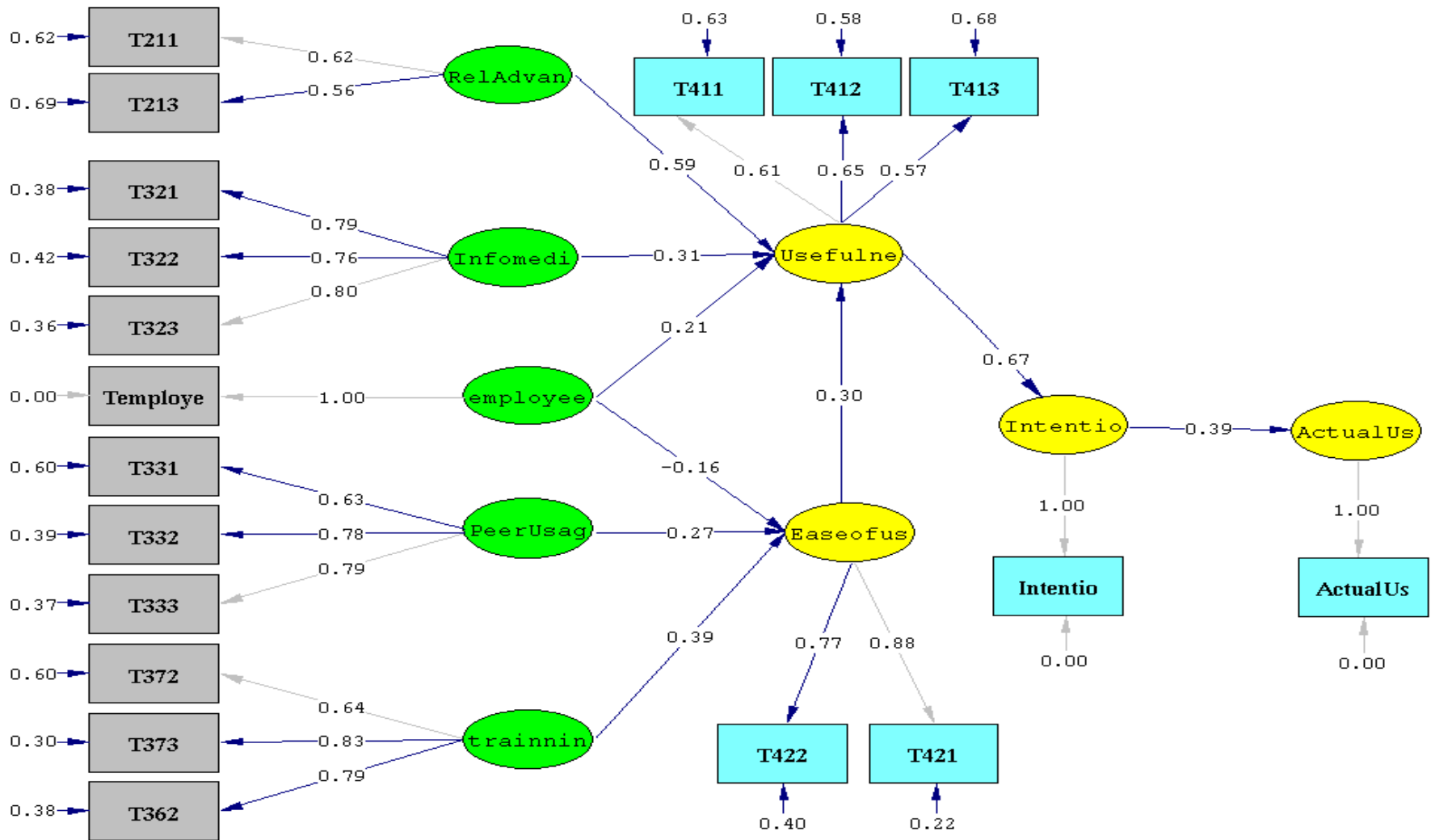
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FULL ADOPTION MODEL





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, CAMEROUN, 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?
- ⦿ PROGRAMME CANADIEN DES BOURSES DE LA FRANCOPHONIE?
- ⦿ ACIDI? DFID?



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CONCLUSION ET RECOMMENDATIONS

- ⦿
- ⦿
- ⦿
- ⦿
- ⦿
- ⦿



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Thank You !



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