

AGRICULTURAL TRADE POLICY INSTITUTE (ATPI)

Public Lecture no. 4 Report

Speaker: Prof Uwe Schneider

Topic : The Namibian Agricultural Sector Model (NASM)

Date : Thursday, 27 May 2021

Time : 15:00 - 16:30

Zoom : <https://uni hamburg.zoom.us/j/62348120046?pwd=cGY3cnBPdFRvcU9CZXRoTmRycVhOdz09>

SPEAKER PROFILE:

Prof. Dr. Uwe A. Schneider is a deputy head at Universität Hamburg Forschungsstelle (FNU). Uwe is an agricultural and resource economist with a strong background in agricultural science. His research interests relate to land use externalities regarding climate, water, soils, and nature reserves; impacts of land scarcity on food, biomass, timber, and species protection potentials; and market and welfare effects of environmental policies related to land use. Prof Uwe is also a group leader of Agricultural Economics and Resource Management at FNU.

Uwe has a decade long expertise in mathematical programming with Generalized Algebraic Modelling System (GAMS) and developed, coordinated, and supervised several large-scale optimization models of various scopes in the realm of agriculture, forestry, bioenergy, and fisheries.

AUDIENCE PROFILE:

- The audience was comprised of industry representatives (agricultural sector-oriented) and NUST students.

MAIN THEMES:

1. Agricultural Sector Modeling (policies, regulations, scientific guidance)
2. Agricultural abatement functions
3. Cost of biodiversity protection
4. Crop Management Systems
5. Commodity and Market Demand
6. Income Projection for Namibia
7. Land Management, Trade, Livelihood, Environment
8. Global development and food security

CONCLUSIONS:

The following applications should be considered for the Namibian Agricultural Sector Model:

- Impact of climate change
- Impact of new varieties (e.g. legumes)
- Farm livelihood assessments
- Food security assessments
- School children nutrition
- Impact of international developments
- Impact of policies (agricultural, trade, climate, environment)