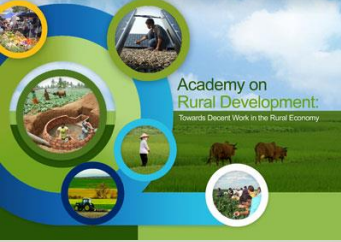


A pig is shown in a field, looking down. The pig is pink and has a dark stripe on its back. The background is a green field with a fence in the distance.

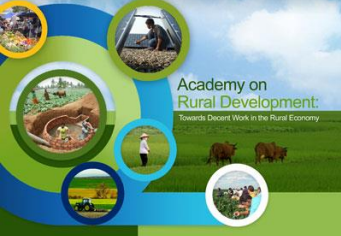
Pig Company in Suriname for Export by Pork Vision NV

**Rural Development towards
Decent work in the Rural
Economy, ILO 11 dec 2017**



Introduction

- MSc. Zootechnics (Animal Science)
- More than 15 years experience
- Quality management
- Global GAP certification
- Turin, Italy: Academy of Rural Development



	2013	2014	2015	2016
Total pigs slaughtered	27.176	31.398	31.588	34.673
Total slaughter weight (kg)	1.920.089	2.269.122	2.281.731	2.489.987
Mean slaughter weight (kg)	70,7	72,3	72,2	71,8

Tabel 1. Pigs slaughtering over years in Suriname (Min. Of LVV-Animal Husbandry)



Pig Company

- Innovative
- Closed (minimal foreign input)
- Intergrated (whole pig chain)
- Sustainable
- Partnerships (social dialogue)
- GMP+
- GAP
- CSR
- Legislation
- Decent jobs (more then 50)
- 50% women
- Renewable energy
- Minimal/no waste products (f.e. biogas production, minimal antibiotics and no pesticides)



Sustainable Development Goals

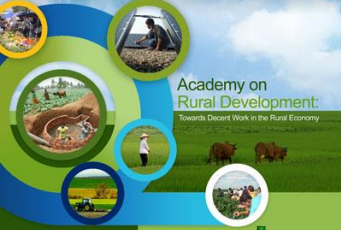
- 1 No Poverty
- 2 Zero Hunger
- 3 Good Health and well being
- 4 Quality education
- 5 Gender equality
- 6 Clean water and sanitation
- 7 Affordable and clean energy
- 8 decent work and economic growth
- 9 Industry, Innovation and infrastructure
- 10 Reduced inequalities
- 11 Sustainable city and communities
- 12 Responsible consumption and production
- 13 Climate action
- 14 Life below water
- 15 Life on land
- 16 Peace, justice and strong institutions
- 17 Partnership for the goals



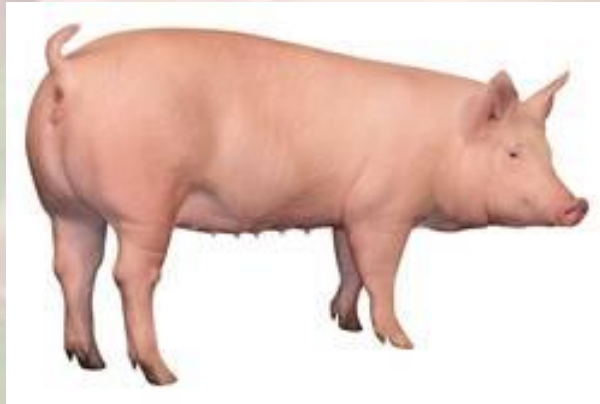
Pig Company

- Pig Genetics Farm
 - *Artificial Insemination station /Boars*
 - *Breeding Farm*
- Pig production and Fattening Farms
- Feed Production (mixing)
- Pig Slaughterhouse
- Processing and Packaging
- Meat Stores

- Training Facility (Campus)



Largest Innovative Pig Genetic Company in the World, Topigs Norsvin

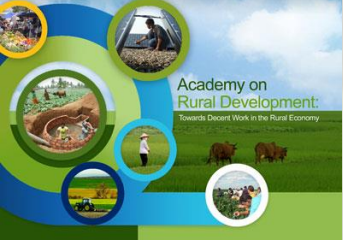




Input

- Genetics (GPB, PB, GPS)
- Raw Material
- Veterinary services (medicine)
- others

*



Output

For Suriname and Export

- Semen (AI)
- Sows for breeding (PS)
- Piglets for fattening (outgrowers)

- Pork Meat (value added)
- Pork Meat products (value added)

- Education and extension services

Organisations and Partners

Min. of Agriculture (LVV)

- Education, traceability, registration, lab., standards

Min. of Education and Development

- Agricultural schools/PTC (R &D)

Min. of Trade, Industry and Tourism

- Permits, import and export regulations, controls, sanctions

Min. v. Finance, Financial Institutions

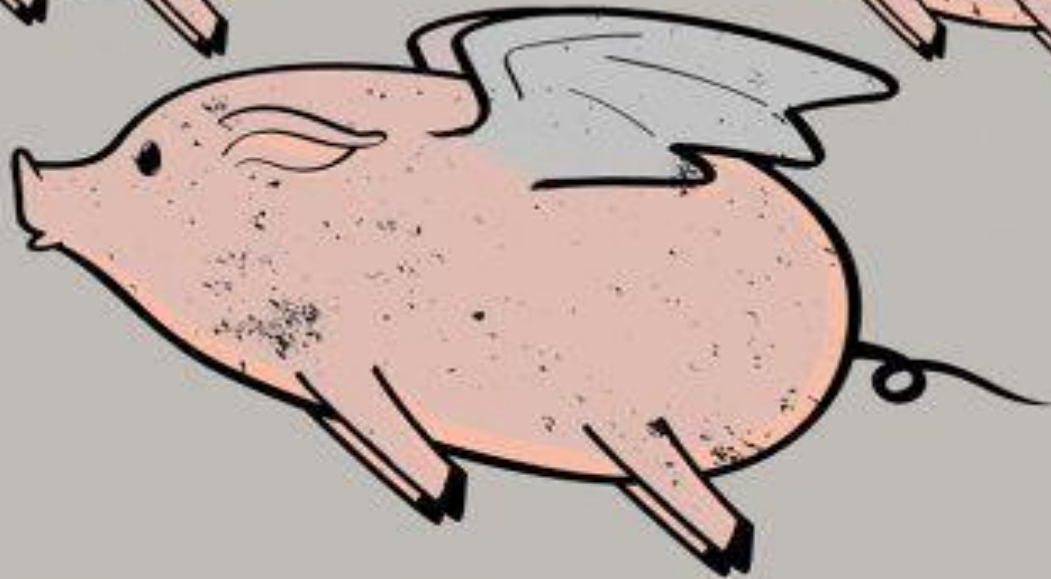
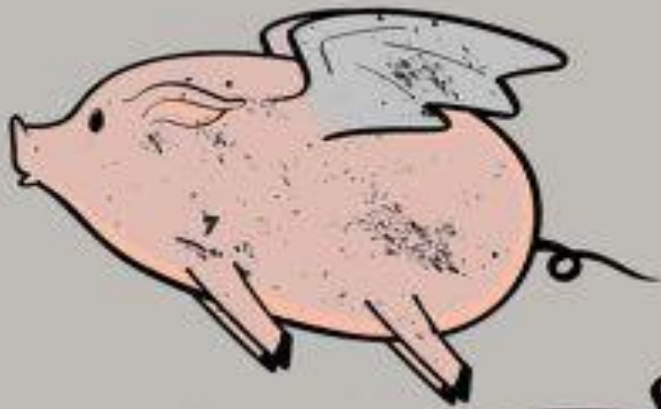
- Subsidies, financing, loans (low interest)

Min. v. Regional Development

- Land for Agriculture

Pig Farmers

- Partnerships, Associations



The Time is

NOW

”



Bestaande situatie

Negatieve punten:

- Geen landbouwschool (weinig educatie)
- Import grondstoffen voor voer
- Geen registratie
- Geen disease monitoring
- Geen regel of wetgeving (vergunningen)
- Geen subsidies
- Geen gronduitgifte voor boerderijen
- Geen “branding”

Bestaande situatie

Positieve punten:

- Weinig varkensziekten
- Genoeg grond beschikbaar
- Laboratorium in aanbouw
- Standaard voor de Varkensproductie (SSB)
- Boerenleningen mogelijk
- Goede genetica voor de tropen aanwezig
- 4 grote varkensboerderijen (1 Global GAP cert.)
- Voorlichters van LVV voor trainingen

Marktmogelijkheden

- Consumptie varkensvlees omhoog

Bevolkingsgroepen (Chinesen, Brazilianen)

Betere promotie (gezond, veilig en betrouwbaar)

Lagere verkoopprijs, door lager kostprijs

- Productie varkensvleesproductie omhoog


Betere genetica

Beter management (training)

Lagere voerprijs (nultarief, lokale grondstoffen)

Standaard implementeren

Samenwerkingsvorm

- 
- A pig is visible in the background, standing in a field. The pig is light-colored and is facing towards the left. The background is a soft-focus green field.
- **Import door lokale produkten vervangen**
 - Efficiënter produceren, lagere kostprijs
 - Importheffing
 - Standaard varkenssector tot wet maken
 - **Export varkens/varkensvlees Caricom**
 - Varkensboerderijen certificeren
 - Regelgeving importerend land kennen
 - Infrastructuur opzetten

Landbouwkundige mogelijkheden

Goede varkensteelt is zeer intensief en er is kennis en een relatief hoge begin investering nodig

- **Weinig grond nodig**
- **Gebruik lokale grondstoffen (onderzoek)**
- **Mestverwerking (bemesting, energie)**
- **Tropisch klimaat, beperking productie**
- **Beschikbaarheid schoon drinkwater**

Toekomstbeeld 2030

Varkensboeren:

- Samenwerking
- Boerderijen certificeren
- Grotere boerderijen
- Hoge produktie, lage kostprijs

Overheid:

- Traceerbaarheidssysteem
- Disease monitoring
- Wet en regelgeving
- Veekeurings instituut
- Exportmarkt bekend (Caricom/EU)
- Nodig ±40 miljoen USDollar

Conclusie

Wanneer de samenwerkende varkensboeren zijn gecertificeerd en efficiënter (kunnen) produceren, natuurlijk gefaciliteerd door de Overheid, zal de varkenssector in Suriname zeker een groot aandeel kunnen leveren in het zijn van de

voedselschuur van de Caricom!

Varkens		2009	2010	2011	2012	2013
Aantal	Par'bo (VSP/VARROS)	24,232	27,066	29,142	27,286	26,812
	Totaal	24,853	27,627	29,543	27,653	27,176
Slachtgewicht	Par'bo (VSP/VARROS)	1,726,587	1,881,905	2,129,268	1,830,432	1,894,239
	Totaal	1,759,229	1,911,243	2,158,606	1,851,269	1,920,089
	Trend (1980=100)	152.7	165.9	187.4	160.7	166.7
Gemiddeld gewicht	Landelijk	70.8	69.2	73.1	66.9	70.7
Verdeling	Par'bo (VSP/VARROS)	98.14%	98.46%	98.64%	98.87%	98.65%
(naar gewicht)	Nickerie	1.41%	1.28%	1.14%	1.02%	1.15%
	Coronie	0.44%	0.24%	0.15%	0.06%	0.04%
	Huisslachten	0.00%	0.01%	0.07%	0.05%	0.15%

LVV 2013

PORK SUPPLY CHAIN

STANDARDS Surinaams Standaarden Bureau (SSB)

Genetics	Feed (70%)	Medicine	Veterinary services	Water	Education	Finance
Sur Pig Farms	*Feedmill Holland/Jamaica *Rest Suppliers Suriname	*Supplier/Vet. Holland/Brasil	*Disease monitoring *Regulation	*Clean *Safe	*Information *Newsletter VSB/LVV	*Loan *Funds Bank

TRACABILITY

PIGS
Quality (AA or A1)
Safe (No residues)
Tracable (Eartags)
Quantity
Price

R&D (Research en Development)

STANDARDS ISO 22000
Global Gap
CONSUMERS Advertising
Media
Feedback

PIGFARMERS Administration
Registration

7

TRANSPORT Truck

STANDARDS Pay by quality
TRANSPARENT

VARROSS Slaughtering/Processing
Registration/Administration
Feedback

HEALTH CONTROL
Independent

TRANSPORT Cooltruck

BRANDNAME R&D
Trusted Corporate Image
Advertising

RAW MEAT → **REFR. TRANSPORT** → **BUTCHERIES** Meat
Processed meat

PROCESSING → **PROCESSED MEAT** → **HOTELS/Multinationals**
SUPERMARKETS

PACKAGING Clear Packaging
Labeling → **EXPORT** Coolchain
Quality
Quantity
Standards → SSB
Packaging/labeling
Price

Min. of Agriculture/Min. of Trade (HI)

- Support of sector
- Higher meat import taxes
- Regulation
- Market Assessment
- Lower import taxes raw material
- Permits
- Control function
- Traceerbaarheidsysteem
- Land allocation
- Disease monitoring system