

NAFTC

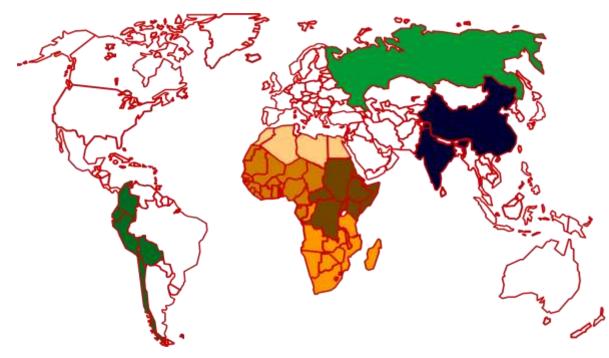
Netherlands Agro, Food & Technology Centre

Jan Hak

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NAFTC worldwide Supported by GMV and MFS



China, India
 Russia, West South America
 Northern, Eastern, Southern and Western Africa

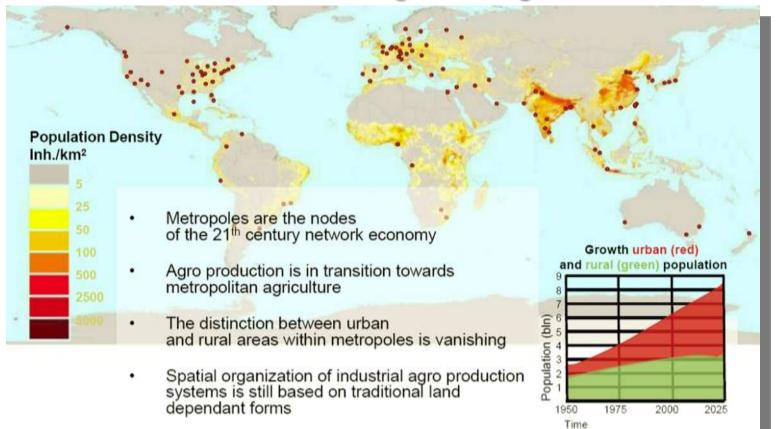


NAFTC worldwide

- BackOffice: Netherlands (EU as home market)
- Innovative markets: US/Canada, Israel
- Emerging markets: BRIC China, India, Russia, Brasil
- Frontier markets: Southern, Western and Eastern Africa,
 Western South America, South East Asia

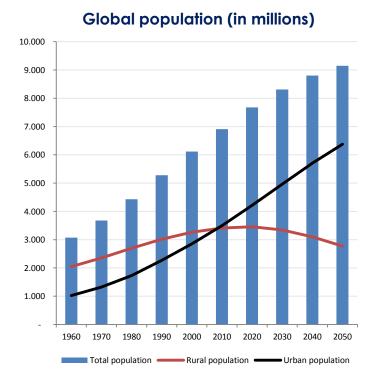


The World is globalizing

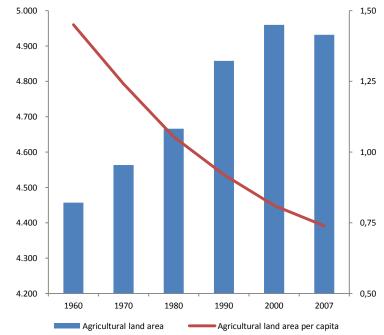




More people, Less land



Agricultural land (1,000 ha)



Source: FAO Stat, Rabobank

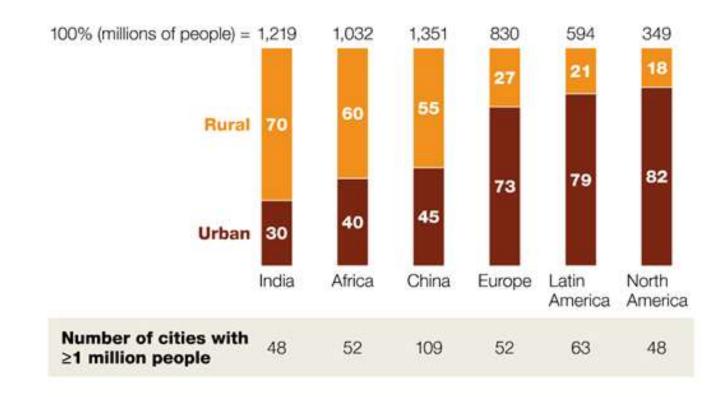


Economic growth (2010-2025) for 75% comes from emerging economies Economic growth (2010-2025) comes for 82% of large cities





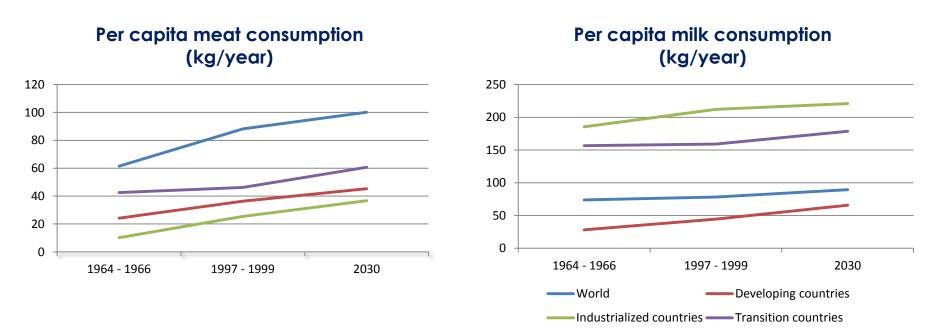
Share of population by region, 2010, %



Source: United Nations; McKinsey Global Institute analysis



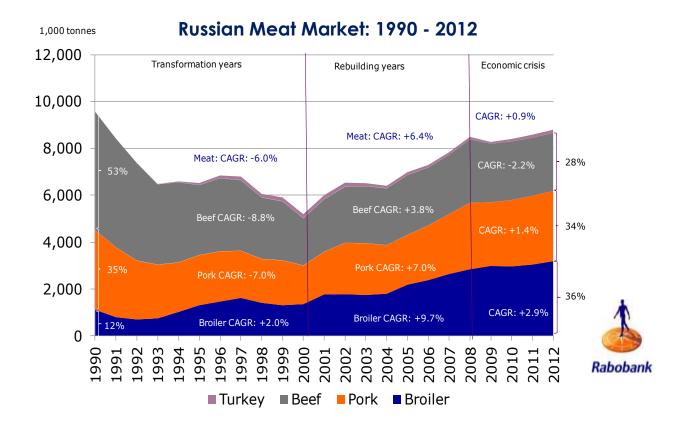
Changing Consumption



Source: World Health Organization



Growing meat demand, move to poultry





GMV





Dutch Association of Manufacturers of Food Processing, Packaging and Bio-Based Systems

Members cover a high percentage of total machinery production in all sectors of the industry: fruit, vegetables, feed, meat, fish, dairy, bio-based products, etc.

Member of:

- FPME (Food Processing Machinery Europe)
- Europama (European Committee of the National Associations of Packaging Machinery Manufacturers)
- Copama (International Confederation of Packaging Machinery Associations)











The Netherlands: 'Food Technology Valley'

Home country of world leading companies in food technology

Turn-over 2011: EUR 3,5 billion in food processing and packaging systems and research of which 42% outside the EU (80% poultry, 70% cheese and > 50% potato processing systems)







The Netherlands as 'Food Valley'

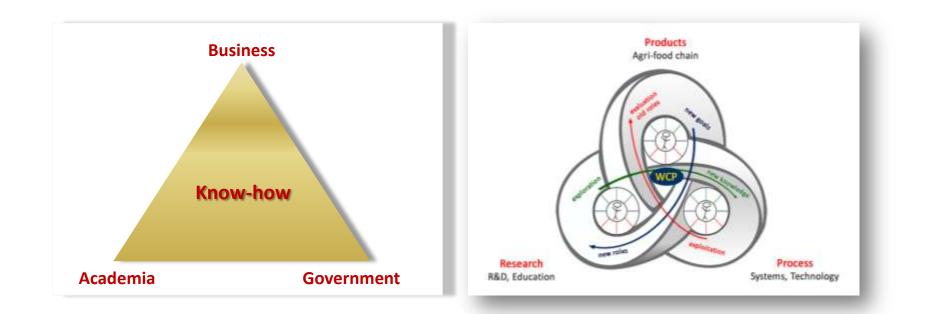
Home country of world leading food companies

Turnover 2011: EUR 70 billion in agri-food products; Staff 2011: 10% of labour force is dedicated to the Agro & Food Section





World-Class Performance (WCP)



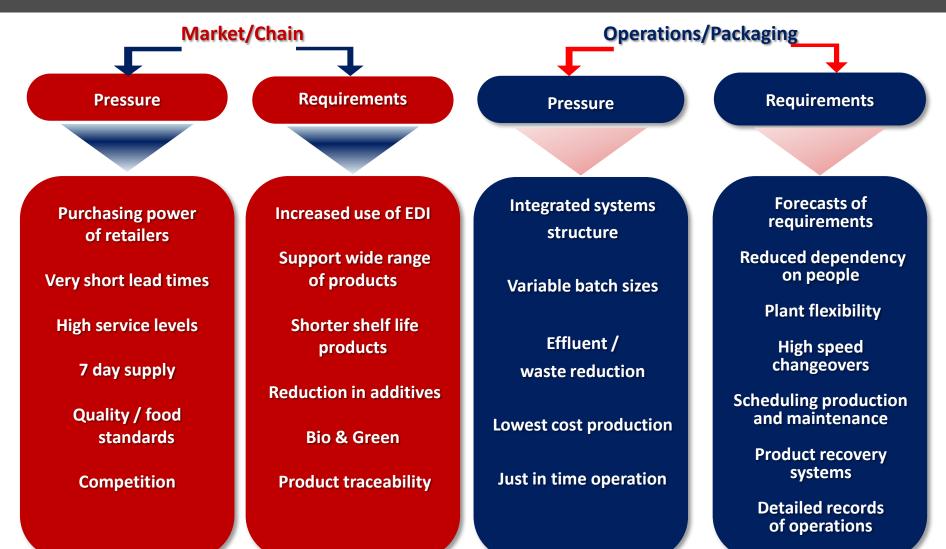


Function of food

- WHAT Calories \rightarrow "experience" \rightarrow nutrition & health, variety
- WHEN Regular → grazing and snacking
 - WHERE In-home → out-of-home
- WITH WHOM Social → individual
- HOW PREPARED From scratch → ready-to-eat, heat and eat

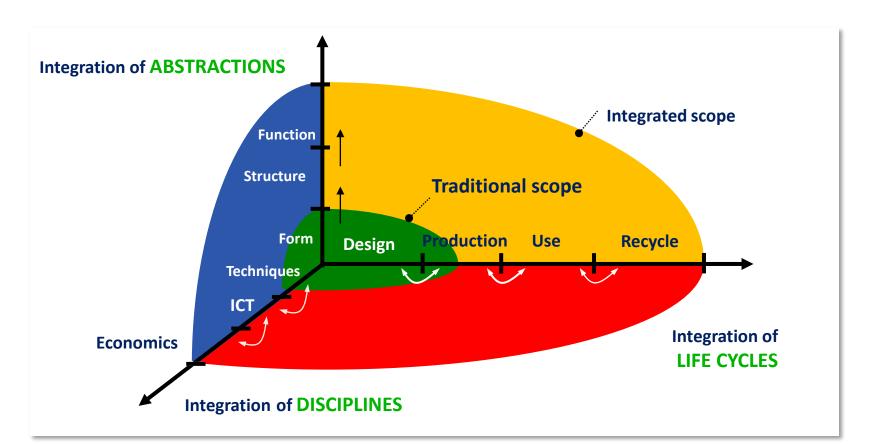








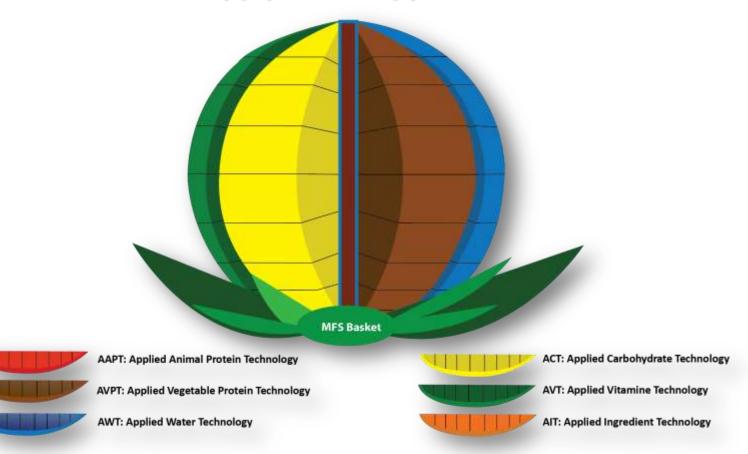
Integrated approach to product and process development







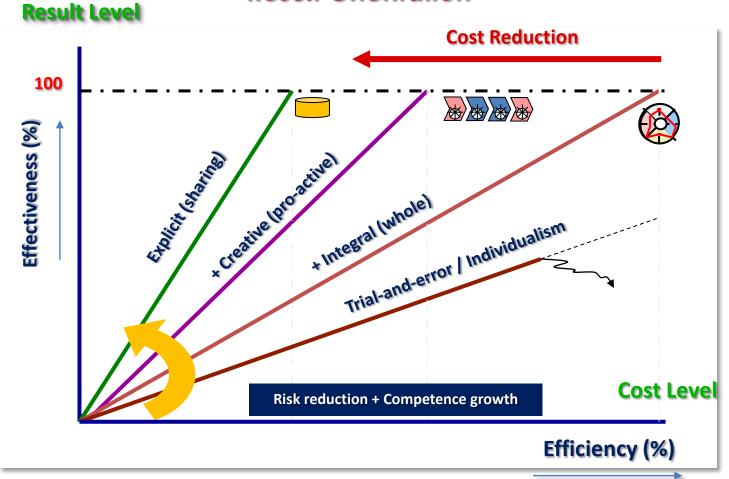
Supply Chain Approach







Result Orientation





Hardware	Orgware	Software	
Contextual relationships	Implementation and operation	Knowledge management	
Infrastructure	Business planning	R&D	
Demo facilities	Investment in infrastructure	Team development	
Trade facilities	Types of consortia	Management of emotions	
Production facilities	Stakeholder network	Communicatie	
Processing facilities	External relations	Marketing	
Industrial ecology	Policy and Politics	Branding	
Energy management	Procedures and protocols	Quality management	
Landscape and nature	Licences and approval	HRM	
Routing	Supply chain management	Education	
Design	Project management	Capacity building	
What can be held	What can be organised	What can be thought and felt	

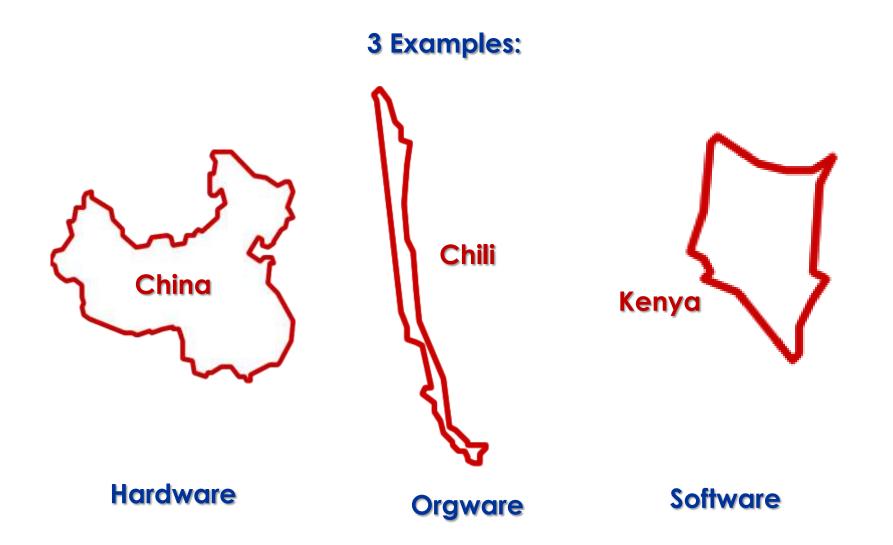


Strength – Weakness Matrix

Flow Know-how	Input	Production	Processing	Logistics	Trade	Consumer
Hardware	SA NL	SA NL	SA NL	SA NL	SA NL	SA NL
Software	SA NE	SA NL	SA NL	SA NL	SA NL	SA NL
Org. ware	SA NL	SAN	SA NL	SA NI	SA NL	SA NL

SA = South Africa (Partner Country)/ NL = Netherlands







China - Hardware: green houses, fields, processing





Gateway to Quality of Life







Chile - Orgware: organization, amplification

- IceFood
- Make the Chilean food industry more competitive
- Build human capacity for innovation in food industry in Chile
- Improve links between science and industry
- Establish Chile as innovation hub in LA Region















Africa - Software: training, education, people Africa Agribusiness Academy

- Entrepreneurship is key to development and food security
- Learning from own experience, building a knowledge base
- African private sector in the lead
- Trust in power of African entrepreneurs
- Impact on small holders



Focus NAFTC – Southern Africa:

- Water, genetics and primary sector development ("2x more, with 2x less")
- Hi-Tech Systems, Remote Sensing Crop Management
- Post Harvest Handling, Processing and Logistics
- Integrated Solutions for Food Security in Rapidly Growing Urban Areas







NAFTC Netherlands Agro, Food & Technology Centre



MoU NAFTC – Southern Africa

More information: www.gmv-fme.nl | example: www.naftc-india.com