



Managing complexity in the Dutch Agri&Food innovation system

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**Complex Innovation: New
Challenges, Requirements and
Approaches for Research and
Innovation Support Programmes**

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Contents

Introduction

- complex innovation from a government perspective
- Dutch enterprise policy and top sector approach

Agri&Food

- profile and players
- ambition and policy actions
- governance

Conclusion

- connection to the theme of complex innovation



Complexity in innovation policies

Some observations

- from sectors to chains, networks and clusters
- from separate strategies with connections on market failures to shared public-private strategies (policy-making in networks)
- from specific thematic policies to integral policies across themes
- from standard measures to tailor-made policies (mixture of generic and specific policies)
- from grants to fiscal, capital market and non-financial instruments



Top sector approach

Ambition

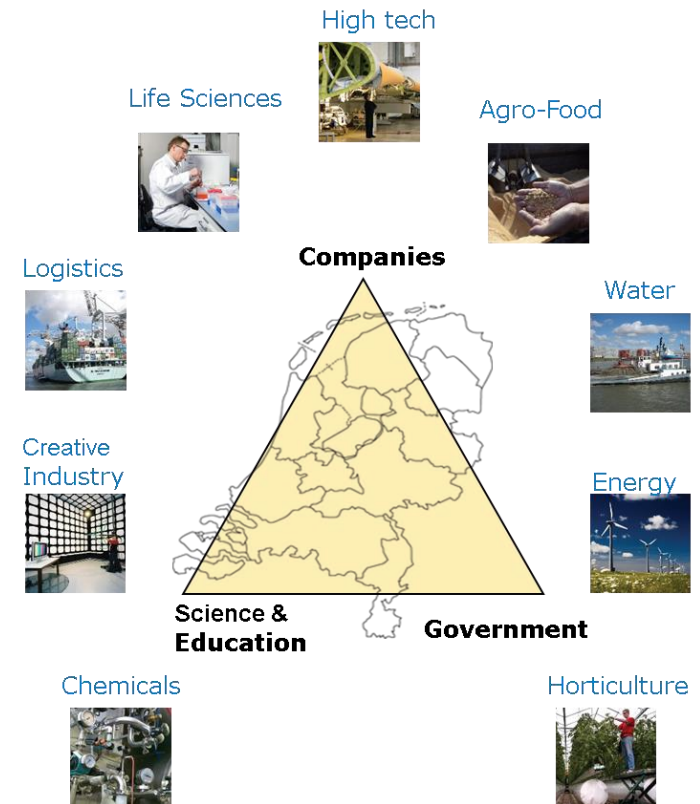
- the Netherlands among the top five knowledge economies
- nine top sectors

Policies

- generic policies
- specific policies on nine top sectors

Governance

- Golden Triangle
- synergies with regional initiatives





Agri&Food: Profile (1)

ONE OF THE **MAIN DRIVERS** OF THE DUTCH ECONOMY

With a contribution of almost...



CONTRIBUTES



€52,2 BILLION
OF ADDED VALUE TO
DUTCH GDP

PROVIDES



WORK & INCOME
DIRECTLY & INDIRECTLY FOR MORE THAN
660,000 PEOPLE



Agri&Food: Profile (2)





Agri&Food: Profile (3)



*as % of GDP



Agri&Food: Players





Agri&Food: Ambition



Healthy food



Sustainability & food security



Food safety & quality



Agri&Food: Policy actions

	generic	specific
innovation	fiscal R&D-advantages	PPP institutes and programmes
human capital	graduates in technical studies	Centres of Expertise and Craftsmanship
finance	micro finance and seed capital	guarantees bank loans working capital
international	trade delegations	cooperation programmes developing countries
business climate	one stop shop government services	red tape reduction on biological farming
organizing capacity	Green Deals	implementation agenda sustainable dairy chain



Agri&Food: Governance

Strategic

- top team agenda
- external connections (regions)
- crossovers (other top sectors)



Programmatic

- innovation contract
- human capital agenda
- internationalization strategy



Implementation

- Top Consortia for Knowledge & Innovation

