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22-6-2015 |

Working together towards a Bio Economy



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DIT PROJECT WORDT MEDEGEFINANCIERD DOOR HET EUROPEES FONDS VOOR REGIONALE
ONTWIKKELING EN DOOR HET MINISTERIE VAN EL&I, PIEKEN IN DE DELTA









BioEconomy in the North of Netherlands

- Agriculture including related industries
- Space
- Harbour
- Innovative SME
- Labour force
- Knowledge institutes
- >100.000 students

The logo for NOORD4BIO, featuring the text in a yellow-green font on a blue background with stylized leaf patterns.

NOORD4BIO



FOOD & BIOBASED RESEARCH
WAGENINGEN UR



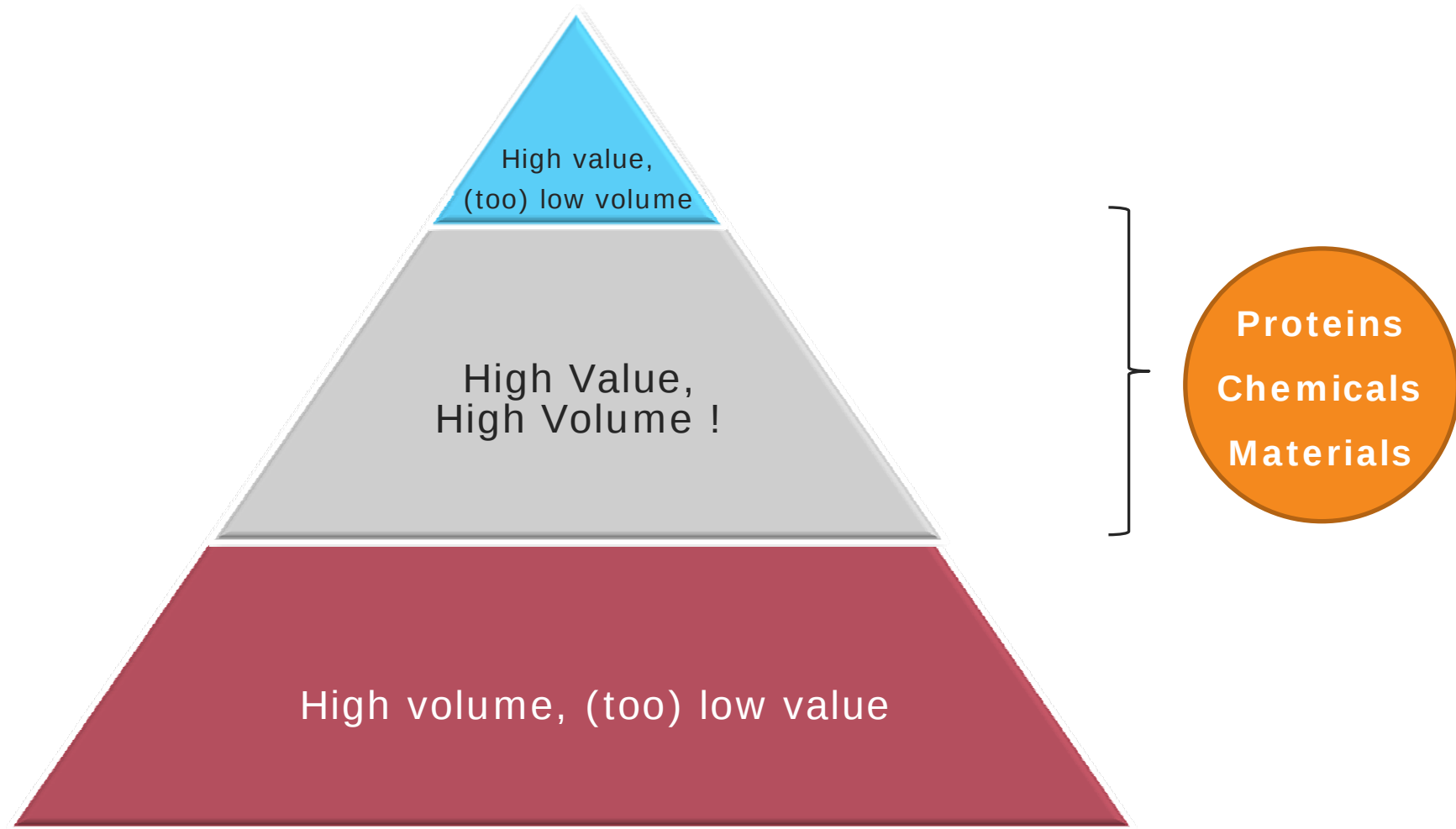
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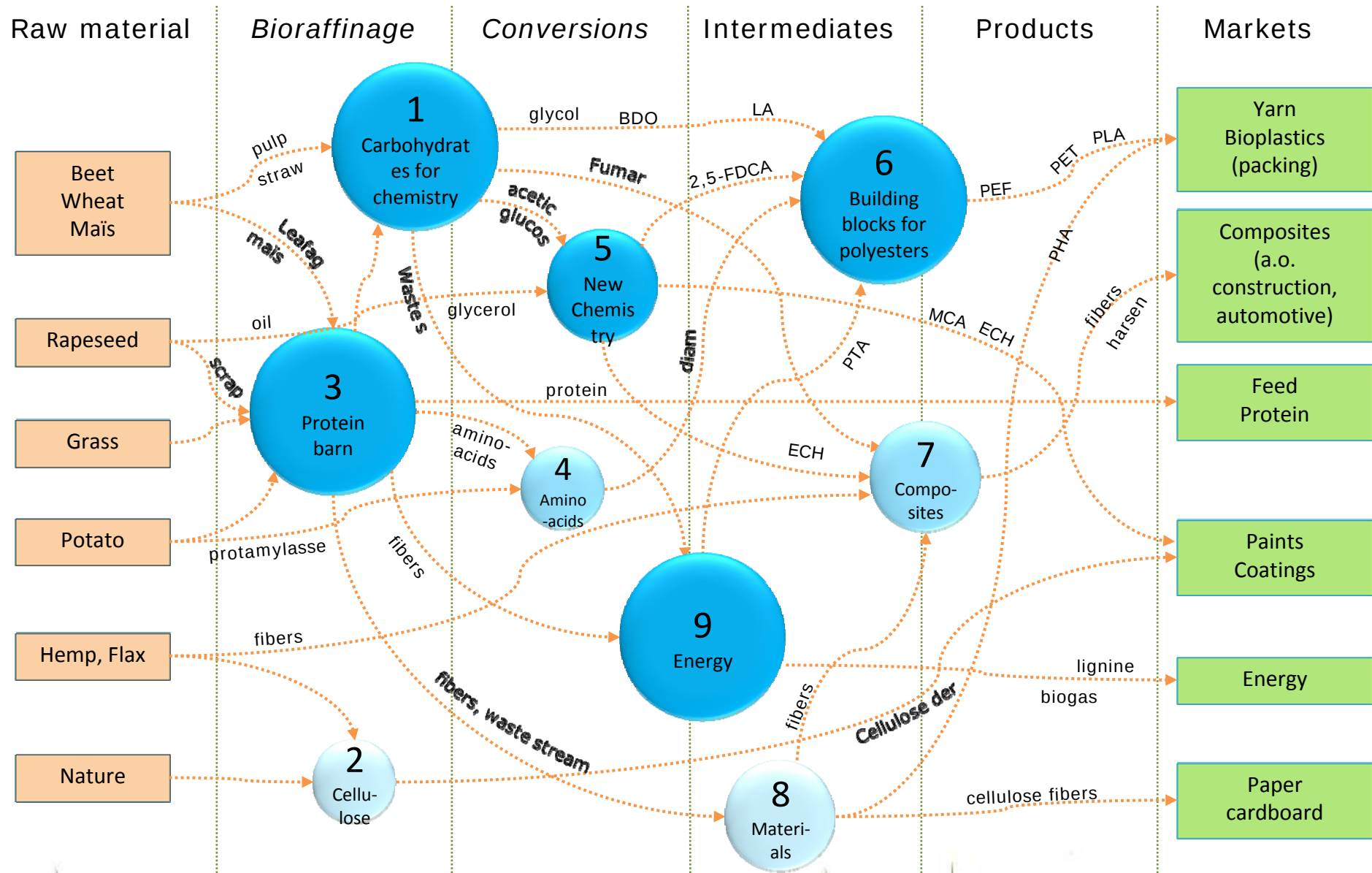


Concrete opportunities for the BioEconomy in Northern Netherland

Harriëtte Bos, Johan Sanders,
Paulien Harmsen, Rolf Blaauw,
Errit Bekkering (NOM/Greenlincs),
Gert-Jan Euverink (RUG)

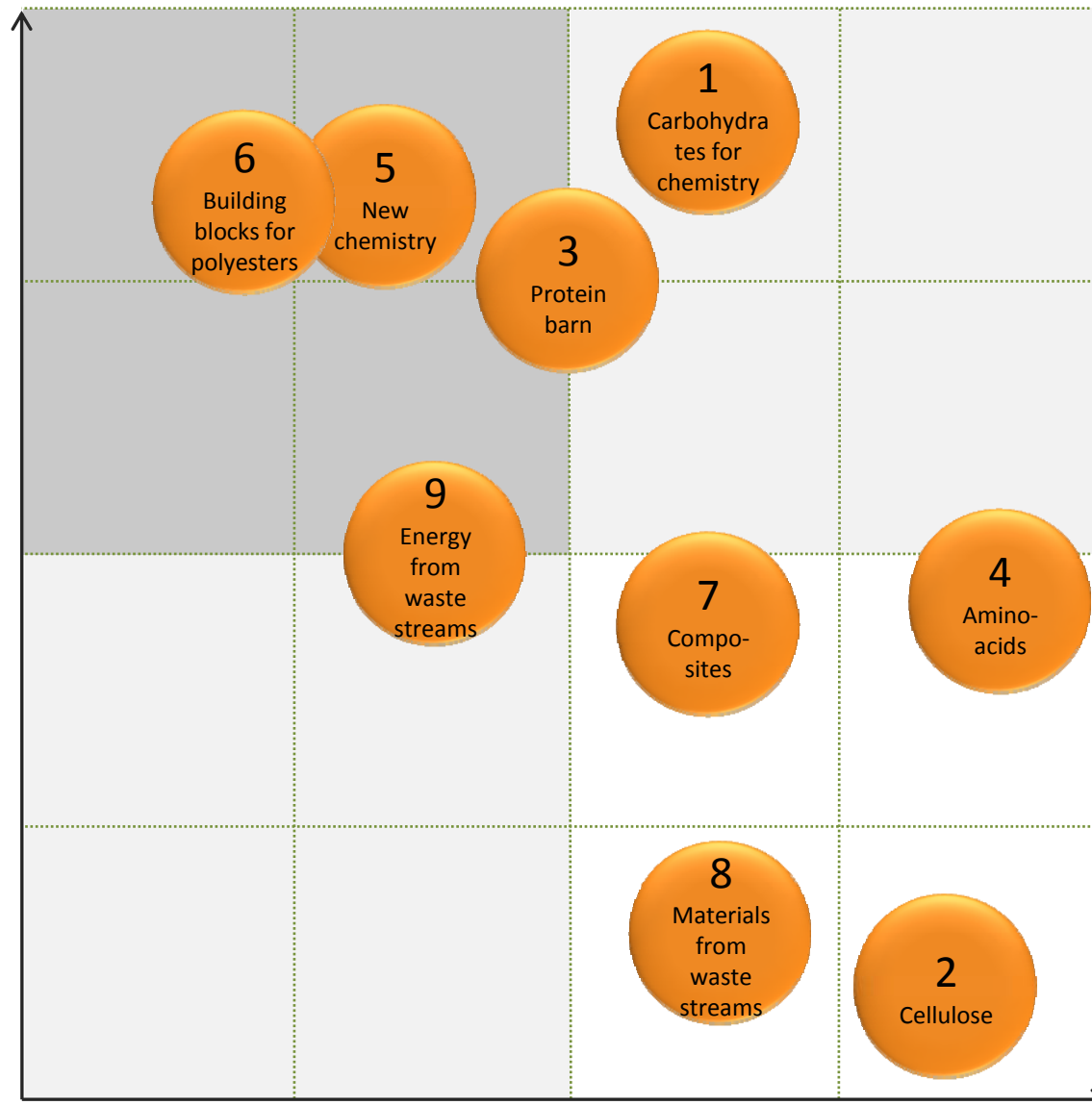
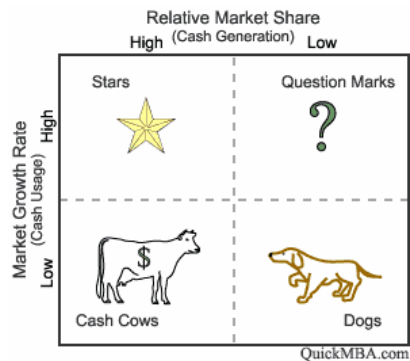
Economic pillars in the BioEconomy





Importance

- volume (ton, €)
- toegevoegde waarde
- werkgelegenheid
- onderscheidende positie
- duurzaam concurrerend
- springplank voor andere activiteiten
- groei

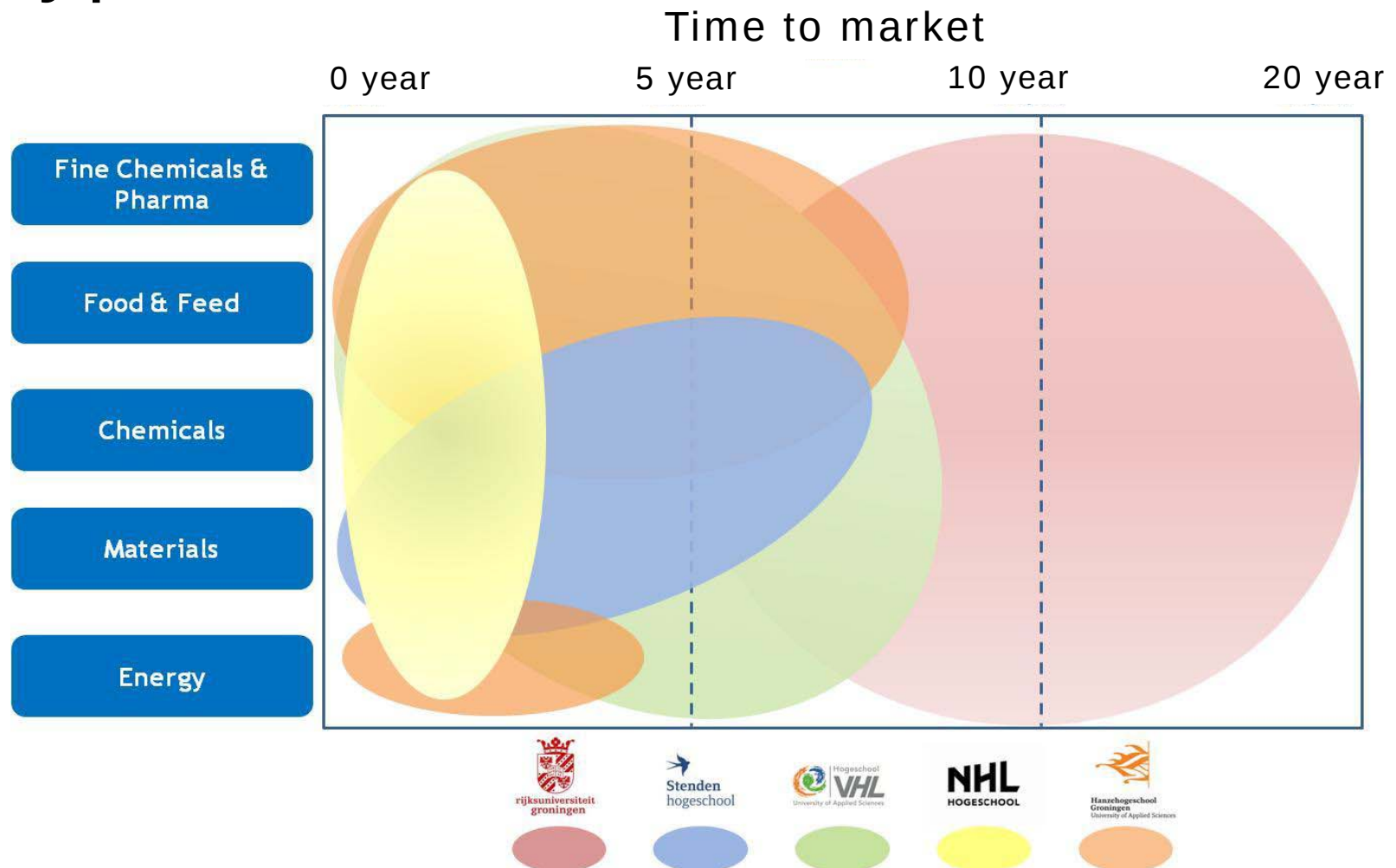


Effort

- investeringen
- TRL (tijd, risico)
- bestaande vs nieuwe markt
- grondstoffen aanwezig?
- kennis en infrastructuur
- regelgeving
- personeel aanwezig?



Type of research





Knowledge institute	Focus area	Specific
Rijksuniversiteit Groningen	Food & Feed	Carbohydrates and proteins
	Chemistry	Polymer chemistry
	Materials	
Stenden Hogeschool	Materials	Fibers & yarn
		Plastics
		Biocomposites
Van Hall Larenstein	Food & Feed	Aquatic biomass and refinery
		Carbohydrates and proteins
Noordelijke Hogeschool Leeuwarden	Materials	(Bio)composites (i.c.w. Stenden)
Hanzehogeschool Groningen	Fine Chemicals & Pharma	Plant metabolites
	Food & Feed	Carbohydrates and fats
	Chemistry	Anaerobic digestion processes
	Energy	



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BERNN

Bio Economy Region Northern Netherlands



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Objectives

- › Powerful partner
- › Realization of Noord4Bio
- › Access to large European funds



Show commitment by

- › Annual meetings
- › Website
- › “accountmanagers”
- › Involve alfa and gamma sector



Strengthen Research and Education

- › Joint applications
- › Involvement of SME
- › Database
- › Joint educational programs



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