Designing and economic model for investments in landscape assets using the Landscape Enterprise Networks approach

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What is Landscape Enterprise Networks (LENs) ?

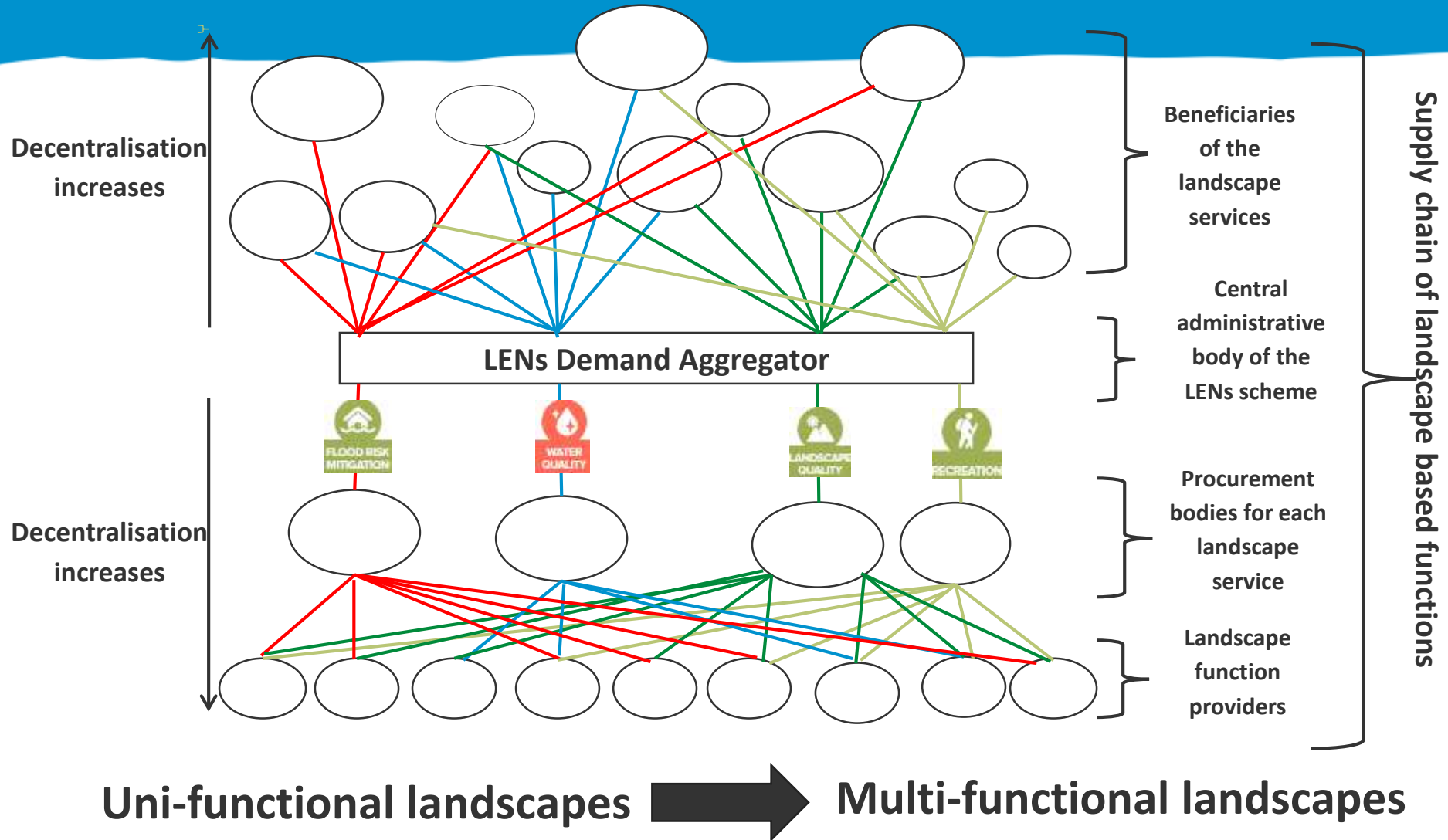LENs is a regionally focused approach, which harnesses commercial interest in how landscapes function

Developed by 3keel in response to needs of
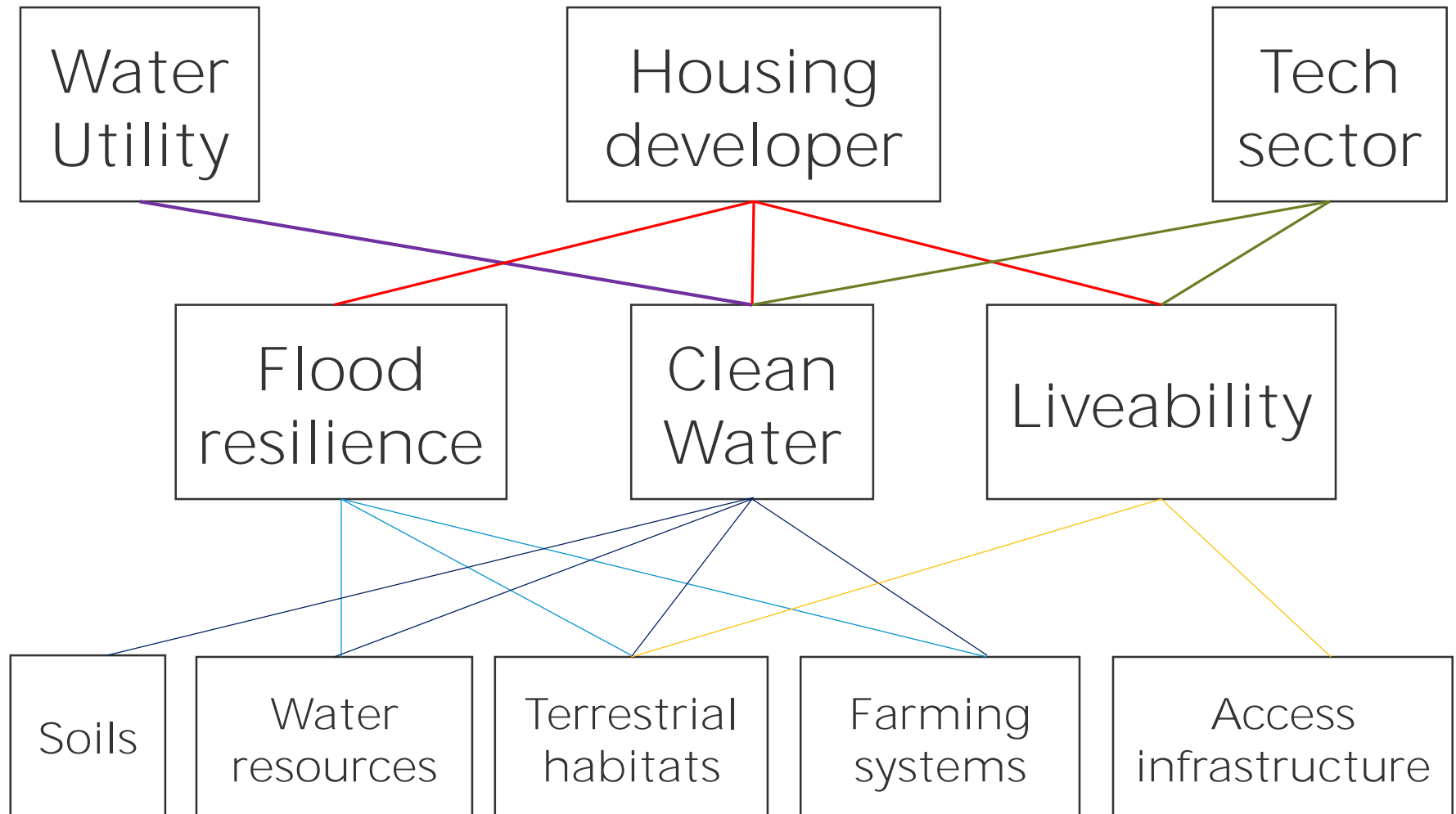
1) private sector clients

2) policy and NGO clients

Components of LENs: Governance structure of natural capital based supply chains

Decentralisation increases

Beneficiaries of the landscape services

LENs Demand Aggregator

Central administrative body of the LENs scheme

FLOOD RISK MITIGATION

WATER QUALITY

LANDSCAPE QUALITY

RECREATION

Decentralisation increases

Procurement bodies for each landscape service

Landscape function providers

Supply chain of landscape based functions

Uni-functional landscapes → **Multi-functional landscapes**

Example from Hampshire Avon

Heat maps
(Exp.: Dependence of beneficiaries by function)

Function / Industry	Recreation	Livability	Flood Mitigation	Clean Water	Arable cropping		Total demand of the specific beneficiary
Agrochemicals	0	0	0	0.125	0.5		0.625
Aviation	0	0.5	0	0.75	0		1.25
Petrochemicals	0	0.5	0	0.75	0		1.25
Agrobusiness	0	0	0	0.125	0.5		0.625
Transport infrastructure	0	0	0.5	0	0		0.5
Food and beverage	0	0	0	0.5	0.25		0.75
Defence	0	0.5	0.5	0.5	0		1.5
Railways	0	0	0.25	0	0		0.25
Heritage NGO	0.5	0	0	0	0		0.5
Housing development	0	1	0.5	1	0		2.5
Technology	0	0.5	0	0.75	0		1.25
Retail development	0	0.5	0.5	0	0		1
Water Utility	0	0	0	1	0		1
Hospitality	0.5	0	0	0	0		0.5
							0
Total demand for the specific landscape function	1	3.5	2.25	5.5	1.25		

What has turned out to be the outcome of my placement ?

1. Systematic characterisation of landscape demand

- Designing a qualitative methodology to identify the hotspots of demand

- A report (and a possible paper) on the methodology

What has turned out to be the outcome of my placement ? (2)

2. Drafting paper on the governance in multi stakeholder environmental schemes focusing on cost allocation

- Interdisciplinary approach
- Discourse analysis methodology
- Targeting special issue of "Sustainability Science"