



prof. dr. ir. Jos J.M. Trienekens





MGI-report (2016): Digital Globalization: The new area of global flows:
"exploding digital flows in a deeply connected world"
- cross-booler bandwith 45 times larger since 2005 (next five years: additional 9 times)

86% of tech-based start-ups have some cross-border activity

--> New challenges for business network and information modelling

## from an evolutionary p prof. dr. ir. Jos J.M. Trienekens



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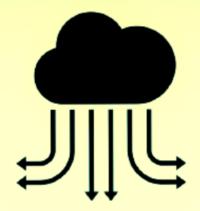


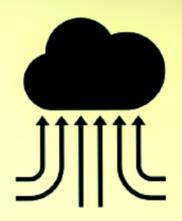
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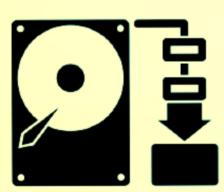
--> New challenges for business network and information modelling







towards new information areas







accelerating and soaring flows of cross-border data, information, ideas, innovation









**Business** 

knowledge modelling challenges

Society

information modelling challenges

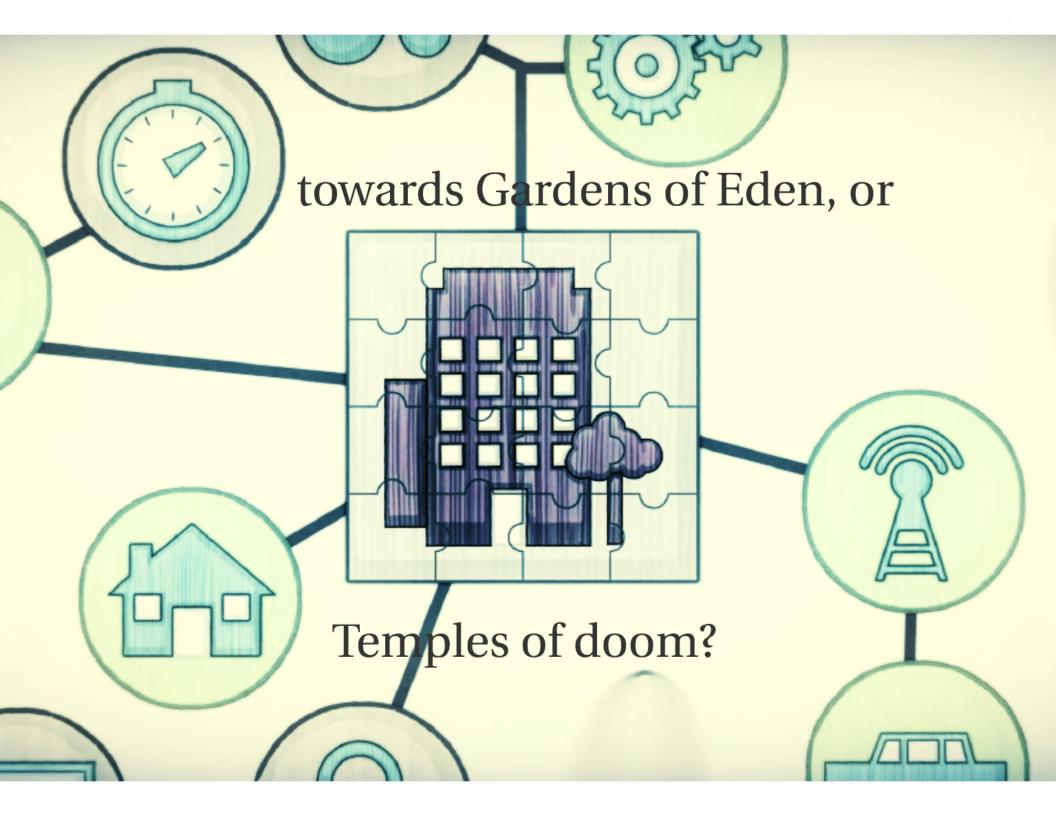
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data modelling challenges

rock-bottom or quicksand?

global information flows business information systems software applications digital infrastructure Cuniversal, affordable internet access)

integating technology design and information and business network modelling



iscustomer trust busin

global information flows

damage,

business information systems

software applications

cyber attacks

digital infrastructure

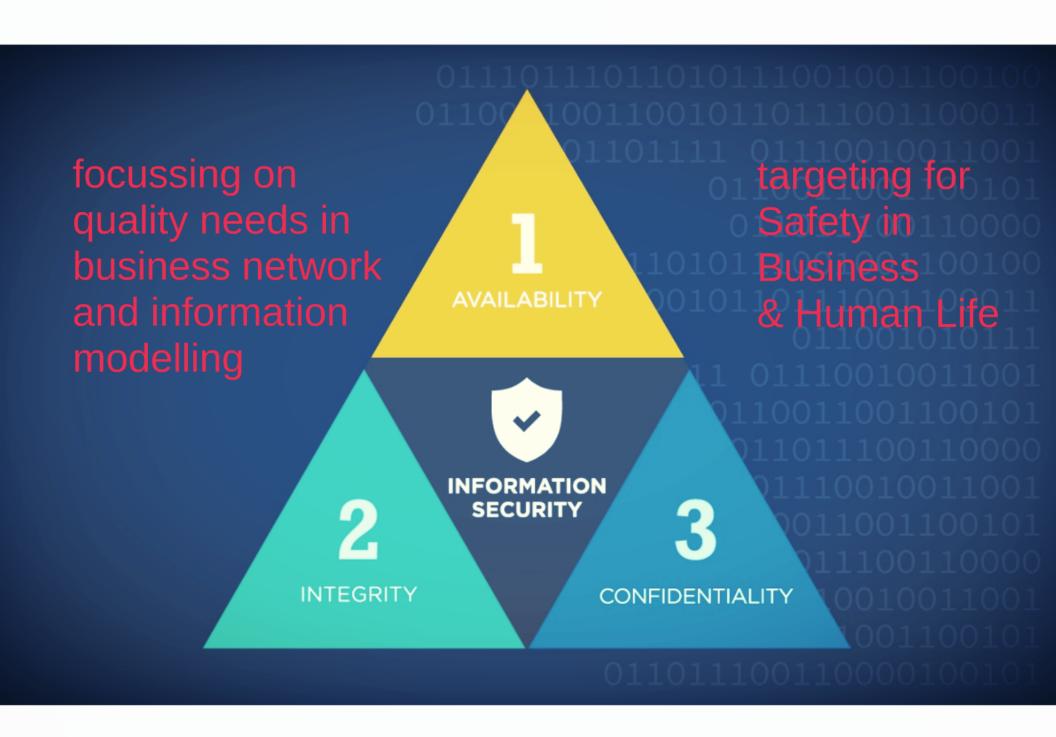
ransomware

Security,

information duality privacy



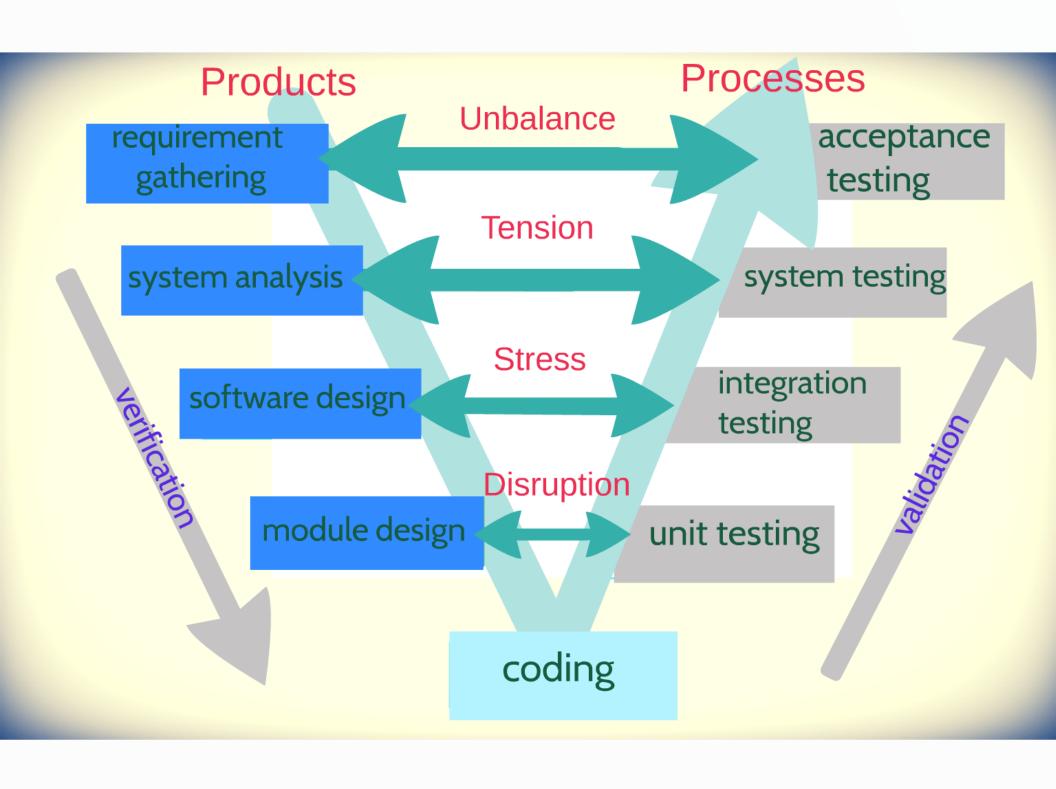




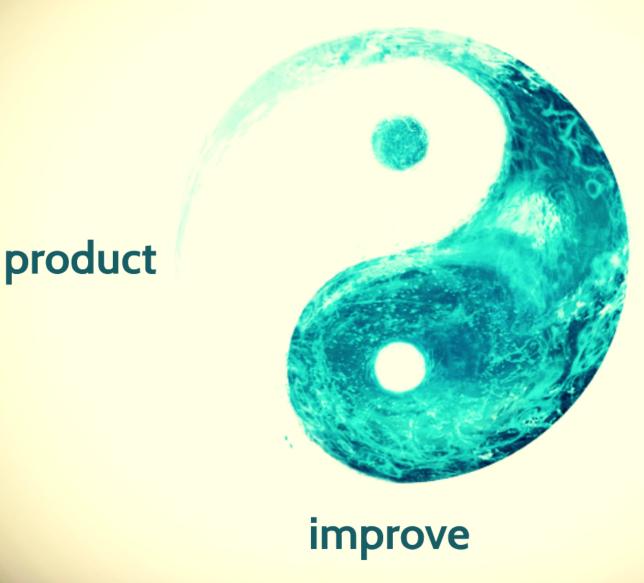


(business) network and information modelling in IoT Healthcare (AT4wireless/DEKRA)

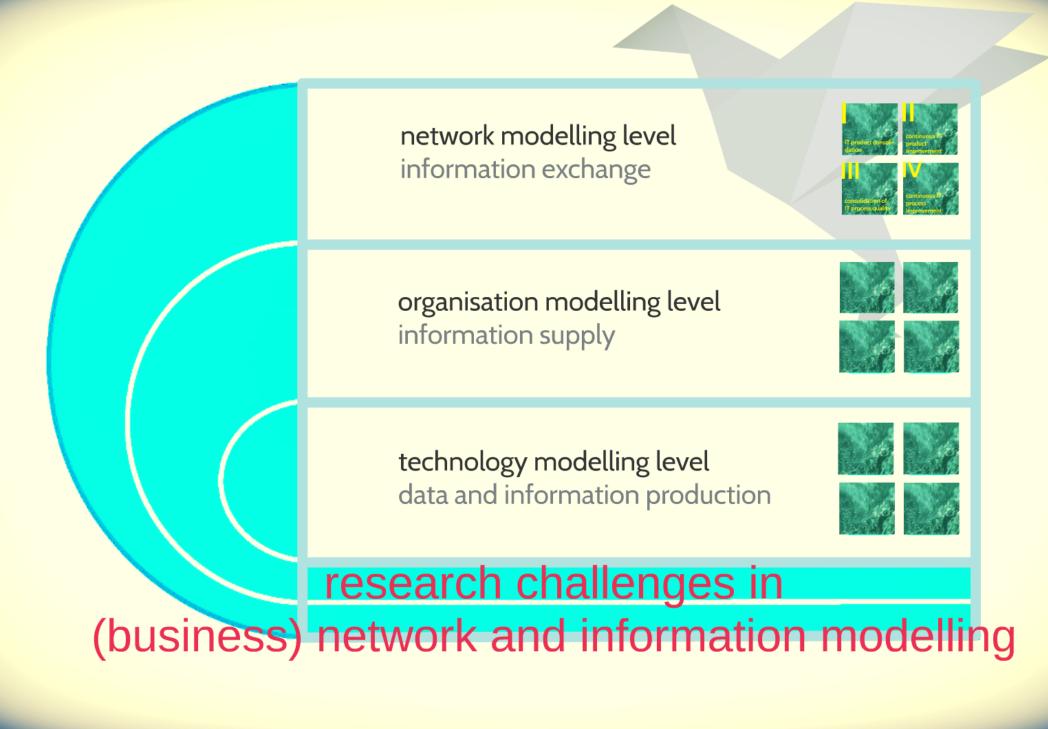




## consolidate



process









network modelling level quality of information exchange

maturity of Business-IT
alignment and customer understanding

quality of information organisation modelling

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technology modelling level

IT product metrics

IT product/service measurement

IT process harmonisation

IT process mining

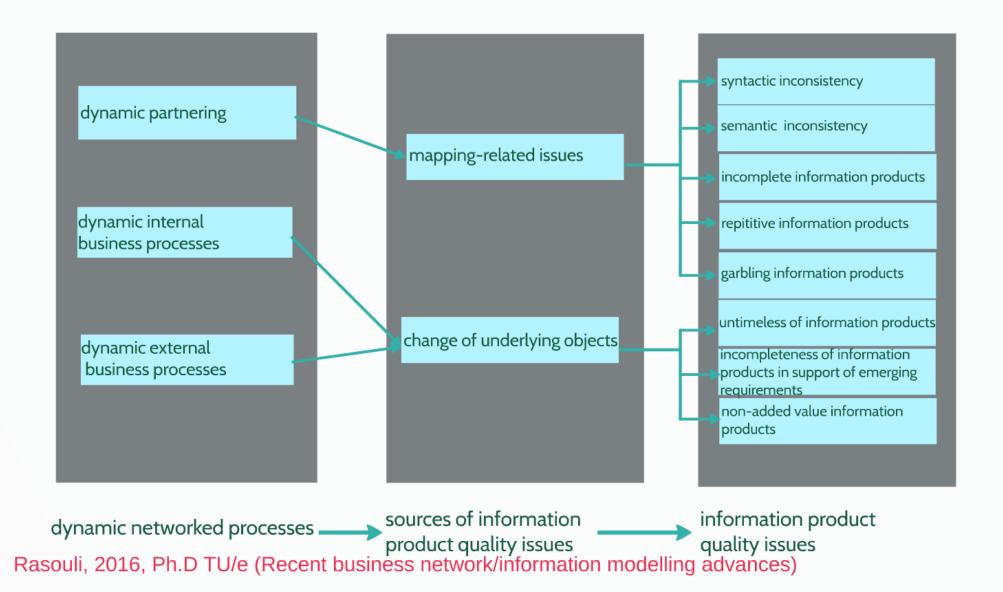
## business network and information governance

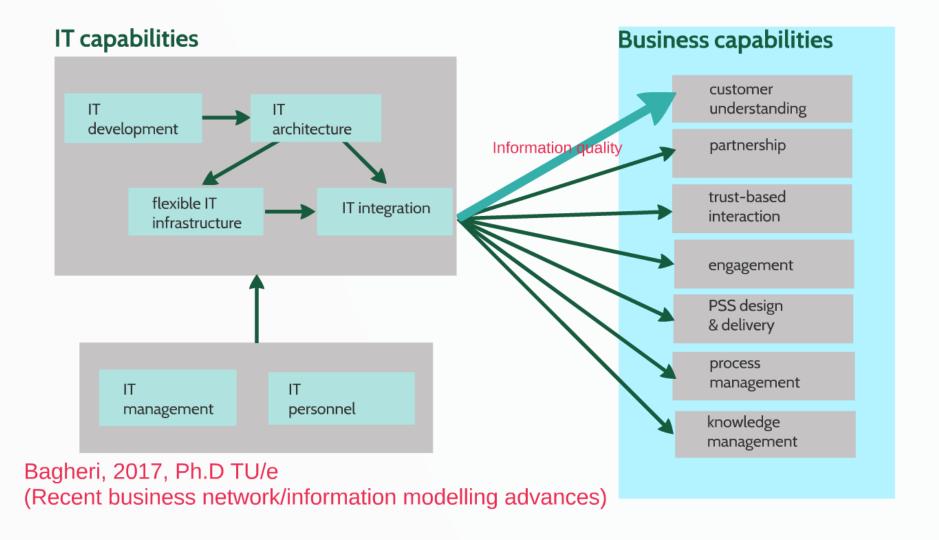
information product quality information service quality

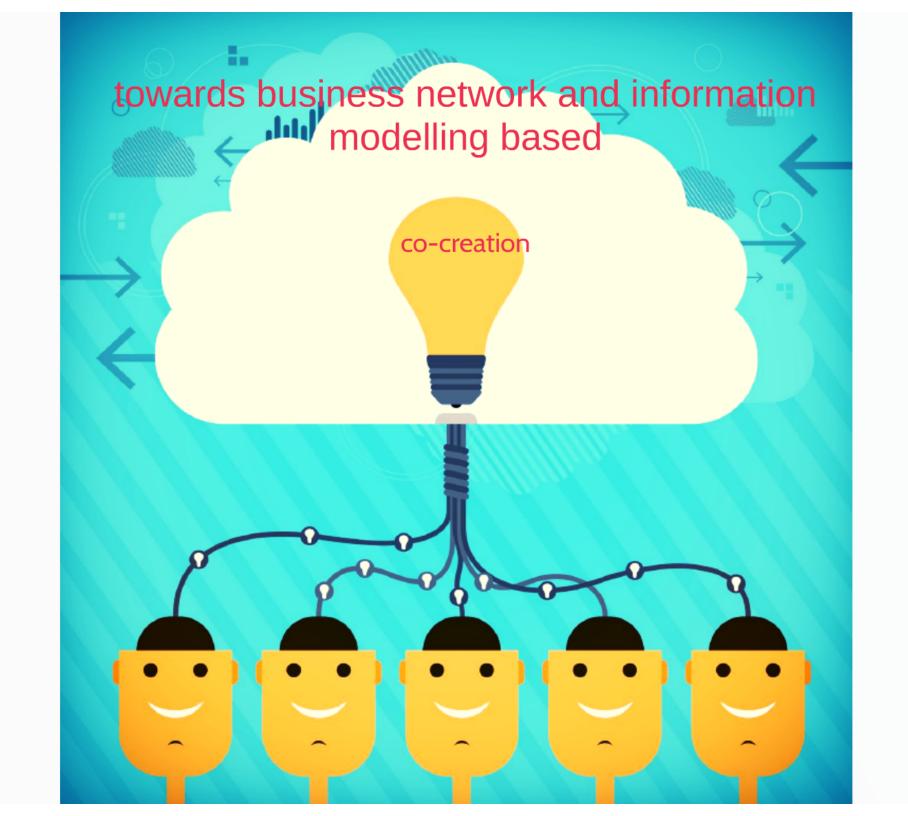
information safety

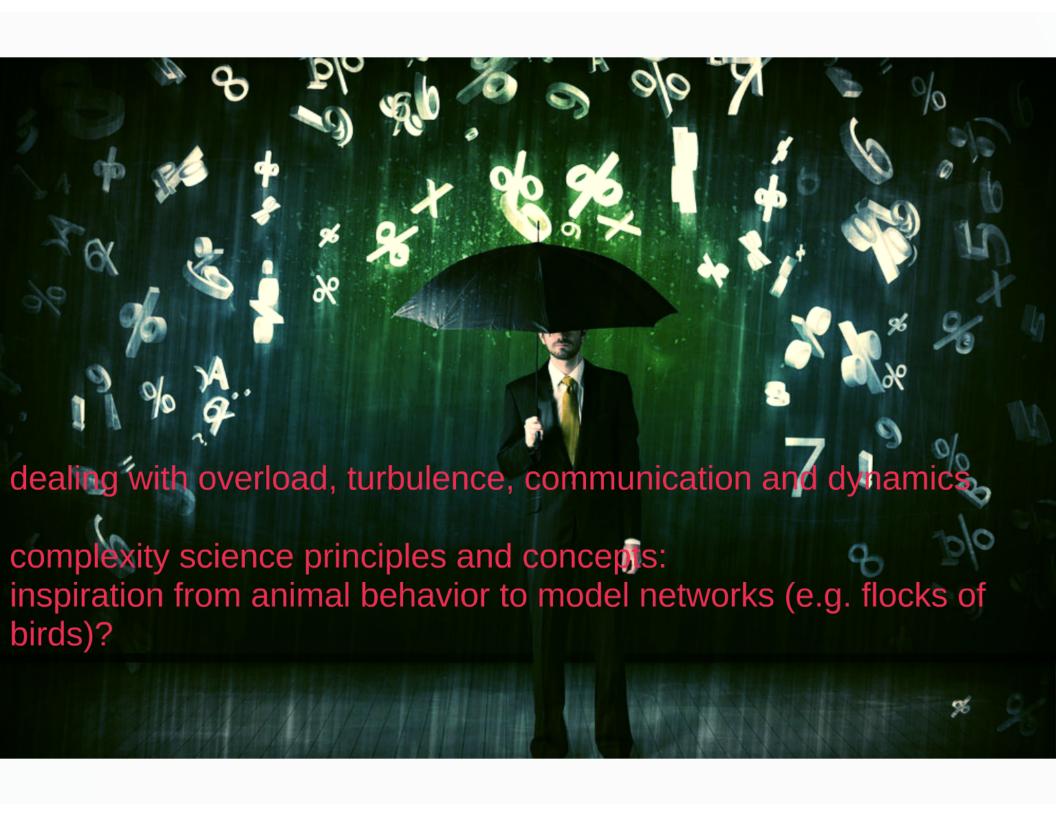
meta data

challenges on the network governance level

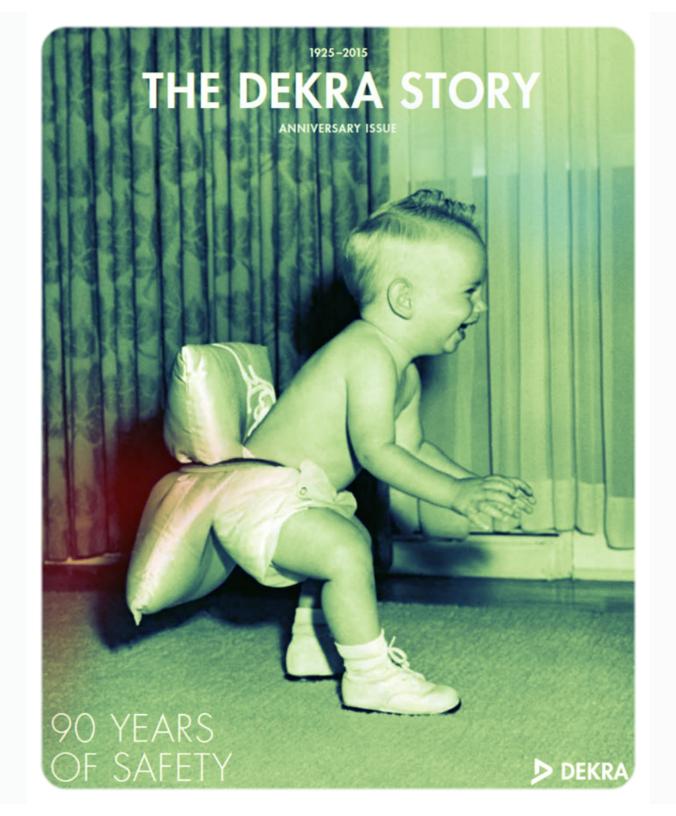




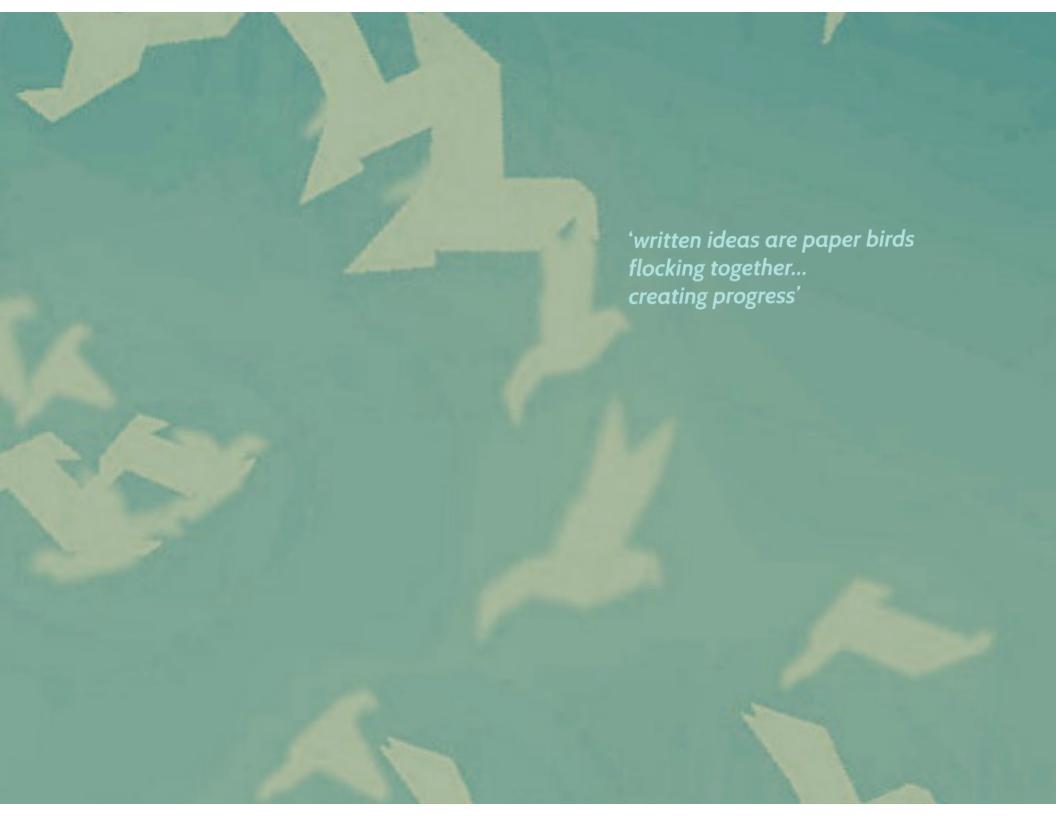




s network and information modelling challenge: cing between products and processes ling on three levels (technology, organisation, network) ig & implementing complexity science principles, such ring thening ting ating s safe businesses and high quality human life









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DEKRA Open Universiteit



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