1 <sup>st</sup> E	uropean Conference on Sustainability Transitions				
	Day One – Thursday 4 <sup>th</sup> June 2009				
08.15 - 09.00	Arrival and registration; coffee will be available				
09.00 - 09.15	Welcome and opening address from Professor Jan Rotmans				
09.15 – 10.00	Title to be confirmed  Keynote address from James Meadowcroft, Chair in Governance for Sustainable  Development at Carleton University (30 minutes plus 15 minutes discussion)				
10.00 - 10.30	Coffee				
10.30 - 12.30	Paper presentations in parallel sessions: I				
12.30 - 14.00	Lunch (1.5 hours)				
14.00 – 16.00	Paper presentations in parallel sessions: II				
16.00 – 16.30	Coffee				
16.30 – 17.15	What can we learn from evolutionary simulation models of technological transitions? Keynote address from Koen Frenken, Professor in Economics of Innovation and Technological Change, ECIS, Eindhoven University of Technology (30 minutes plus 15 minutes discussion)				
17.15 - 21.00	Drinks reception and dinner buffet at Felix Meritis				
	At 18.00 John Grin will present a new book series on sustainability transitions				
	Day Two – Friday 5 <sup>th</sup> June 2009				
09.00 – 09.45	Sustainability and the potential of the ICT paradigm Keynote address from Carlota Perez, Senior Research Fellow at the Judge Business School, Cambridge University (30 minutes plus 15 minutes discussion)				
09.45 - 10.30	Coffee				
10.30 - 12.30	Paper presentations in parallel sessions: III				
12.30 - 13.30	Lunch (1.0 hour)				
13.30 - 15.30	Paper presentations in parallel sessions: IV				
15.30 – 16.00	Coffee				
16.00 – 17.00	Paper presentations from four researchers in the KSI network (see below for full description):				
	Parallel session A: Papers from Flor Avelino and Bram Verhees				
	Parallel session B: Papers from Floortje Alkemade and Bram Bos				
17.00 – 17.15	Refreshment break				
17.15 – 18.00	Title to be confirmed Keynote address from Fred Steward, Professor of Innovation and Entrepreneurship, Brunel University (30 minutes plus 15 minutes discussion)				
19.30 - 23.30	"Self-organizing" dinner and entertainment in the centre of Amsterdam				
	Day Three – Saturday 6 <sup>th</sup> June 2009				
09.00 - 09.30	Coffee available at the Felix Meritis				
09.30 - 11.30	Paper presentations in parallel sessions: V				
11.30 - 12.30	Final plenary session with a debate around: <b>Can Sustainability Transitions be governed?</b>				
12.30	Close of the conference				

# **Overview of Parallel Sessions**

	A: Understanding Transitions	B: Governance of Transitions	C: Policies, Policy Tools & Instruments	D: Experiments & Niches	E: Dynamics of Transitions
Sessions I (Thursday morning 4 <sup>th</sup> June)	Understanding - A I  Critical Perspectives  Concertzaal	Governance - B I  Management of Transitions  Kremlin	Policy - C I  Policy Tools & Frameworks Teekenzaal	Experiments - D I  Niche Management  Zuilenzaal	Dynamics - E I  Expectations  Shaffyzaal
Sessions II (Thursday afternoon 4 <sup>th</sup> June)	Understanding - A II Change Agents Concertzaal	Governance - B II  Innovation Systems &  Transitions  Zuilenzaal	Policy - C II Scenarios Teekenzaal	Experiments - D II  Social Movements  Shaffyzaal	Dynamics - E II  Modelling Transitions  Kremlin I
Sessions III  (Friday morning 5 <sup>th</sup> June)	Understanding - A III Transitions & Power Concertzaal  Understanding - A VI Policy Entrepreneurs Kremlin I	Governance - B III  Reflexive Governance  Zuilenzaal	Policy - C III  Instruments for Guiding Visions  Shaffyzaal	Experiments - D III  Designing Experiments  Teekenzaal	Dynamics - E III  Innovation Systems  Dynamics  Kremlin II
Sessions IV (Friday; afternoon 5 <sup>th</sup> June)	Understanding - A IV  Deepening the Theory  Shaffyzaal	Governance - B IV Governance Challenges Concertzaal	Policy - C IV Water Teekenzaal	Experiments - D IV  Action research  Zuilenzaal	Dynamics - E IV  Geography of Transitions  Kremlin I
Sessions V (Saturday morning 6 <sup>th</sup> June)	Understanding - A V Regime Responses Zuilenzaal	Governance - B V  Role of Science  Kremlin I	Policy - C V  Politics & Policy  Teekenzaal	Experiments - D V  Scaling-up & Strategic Orientation  Concertzaal	Dynamics - E V  Globalization & Asia  Shaffyzaal

# **Sessions I - Thursday, 4 June 2009, morning (10:30-12:30)**

#### Critical Perspectives AI

Chair: tba; Location: Concertzaal

Transitions: Taking Complexity Seriously

E. Vasileiadou & K. Safarzvnska, Vrije Universiteit, Amsterdam, NL

Dynamic Transition Management: Lessons from Denmark and Indonesia

W. Ravestijn & L. Kamp, Delft University of Technology, NL

A Social Theory of Societal Transitions; Meeting the Multilevel Perspective Head on

J. Timmermans, Erasmus University Rotterdam, NL

Performing Micro- and Macro-Interventions in Transitions.

U. Joergensen. Technical University of Denmark. DK

#### Management of Transitions BI

Chair: C.L. Kwa, University of Amsterdam, NL;

Location: Kremlin

Linking Transition Dynamics and Transition Management

R. van der Brugge, D. Loorbach, R. van Raak, Erasmus University Rotterdam, NL

The Interior Dimensions of Transition Management

A. Hordijk, Nyenrode Business University, E. Matthijs, Catholic University Leuven, Belgium

Debating Transitions Management: Management of Transitions Dynamics versus Dynamics of Transition Management

N. Franzeskaki & D. Loorbach, Erasmus University Rotterdam, NL

#### Policy Tools & Frameworks CI

Chair: tba; Location: Teekenzaal

Mapping and capturing knowledge from Dutch energy transition projects. A method to monitor progress in content learning

K. Zagema, Pernosco, J. Koch, R. Hoogma, SenterNovem, NL

Transition Pathways for a UK Low Carbon Energy System: Exploring Different Governance Patterns T. Foxon, University of Leeds, G. Hammond, University of Bath, P. Pearson, Imperial College London, UK

Top-down versus Bottom-up: The Challenge of Combining Two Approaches Towards Developing Sustainable Livestock Production in the Netherlands

S. Spoelstra, B. Elzen, Wageningen University, NL

Constellation Analysis and Innovation Biography of Wind energy in Germany – a Conceptual Tool for the Multilevel and Multiphase Analysis

D. Ohlhorst, Technical University, Berlin, Germany

#### DI Niche Management

Chair: Rob Raven, Technical University Eindhoven,

SNM: Expanding the Concept of Intentional Agency J. S. Jenssen, Technical University Denmark, DK

Testing and Evaluating the PROTEE Approach to Supporting 'Governance from the Inside': The field Trial as a Niche?

R. Mc Nally, Lancaster University, UK, H. Valve, Finish Environment Institute, Finland

Comparing Rural Discourses and Niche Perspectives in Dutch Agriculture: Assessing the Potential Radical Transitions Using Q Methodology

F. Hermans, Tilburg University, Wageningen University, K. Kok, P.J. Beers, T. Veldkamp Wageningen University, H. Mommaas, Tilburg University, NL

Distributed wastewater management in Melbourne, Australia: A case study of transition in practice D. Fam, C. Mitchell, K. Abeysuriya & A. Lopes, Institute of Sustainable Futures, University of Technology Sydney, Australia

#### E I Expectations

Chair: tba; Location: Shaffyzaal

Fuelling or Charging Expectations? A Historic Analysis of Hydrogen and Electric Vehicle Prototypes S. Bakker, H. van Lente, Utrecht University, NL

Hyping Towards a Transition; The Case of Hydrogen M. Dignum, Technical University Eindhoven, NL

Interrelated Visions and Expectations on Fuel Cells as a Source of Dynamics for Sustainable Transition Processes

B. Budde, ARC Systems Research, Austria, K. Konrad, Cirrus, Eawag, Switzerland

Structuring sustainable mobility – a mythical perspective *M. Essebo, University of Gothenburg, Sweden* 

Location: Zuilenzaal

# **Session II - 4 June, 2006, Thursday afternoon (14:00-16:00)**

#### A II Change Agents

Chair: tba; Location: Concertzaal

Ships passing the night?: Rethinking the Relationship Between Entrepreneurial Agency and Purposive Transitions

R. Blundel & A. Monaghan, Brunel University, UK

Resilience or Collapse -Understanding Critical Transitions in Socio-Ecological Systems *P. Olson, Stockholm University, Sweden* 

When Incumbents Become Niche Pioneers: Large Car Producers and the Development of Low Emission Vehicles

J. Pinkse, R. Bohnsack & A Kolk, University of Amsterdam Business School, NL

Case Studies for Governance in the Initial Phase of Transitional Projects – Supporting Initiatives for Energy Webs Between Glasshouses and Non-horticultural Counterparts in the Netherlands

T. Vermeulen, W. Verkerke & E. Poot, Wageningen University, NL

#### B II Innovation Systems and Transitions

Chair: tba; Location: Zuilenzaal

Multilevel Perspective and Technological Innovation Systems: Comparing Empirical Analyses and Policy Recommendations in the Case of Biomass Digestion

J. Markard, Cirus, Eawag, Switzerland

Framework for Analyzing the Governance of Sustainable Technological Innovations

K. Hillman, Institute for Management of Innovation and Technology and University of Gothenburg; M. Nilsson, Stockholm Environment Institute, A. Rickne, University of Gothenburg and Institute for Management of Innovation and Technology, T. Magnusson, Linköping University, Sweden

Monitoring the Energy Transition for Policy Makers *M. Taanman, Erasmus University Rotterdam, NL* 

A Systemic Policy Framework for Evaluation of Transition Paths

A. Wieczorek, Utrecht University, NL

#### C II Scenarios

Chair: tba; Location: Teekenzaal

Using Scenarios to bring about Transitions: Lessons from a Broad Scenario Building Tradition *N. Hughes, King's College London, UK* 

Bringing future scenarios to life: Capturing and communicating insights on complex systems change through new media visualization

J. Vervoort, K. Kok, R. Van Lammeren, A. Veldkamp, Wageningen University, NL, P-J. Beers, Transforum, A. Bregt, Wageningen University, NL

Transition management and the Local Scale: lessons from Strategic Planning in the Sanitation Sector B. Truffer & E. Stormer, Cirrus, Eawag, Switzerland

Aut Viam Inveniam Aut Faciam

A. Gaziulusoy, C. Boyle, R. McDowal, University of Auckland, NZ

#### D II Social Movement

Chair: tba; Location: Shaffyzaal

Transitions for the People: Discourses on Transition and Resilience in the UK's Transition Town Management A. Haxeltine, G. Seyfang, T., University of East Anglia, UK

The Role of Citizenship in Transitions to Sustainability: The Emergence of Transition Towns in Flanders, Belgium

A. Kenis & E. Mathijs, Catholic University Leuven, Belgium

Anticipating Public Protest in Niche Experiments

A-C. Hoes, B. Regeer, J. Bunders, Vrije Universiteit Amsterdam, NL

Partnering for Change: Sectoral Perspectives on Partnerships for Sustainable Development A. Ellersiek, P. Kenis, Tilburg University, NL

## E II Modeling Transitions

Chair: Koen Frenken, Technical University Eindhoven, NL

Location: Kremlin

The Integrated Agent-Centered (IAC) Framework as a Tool to Investigate Transition processes in Local Agricultural Systems

G. Feola, University of Zurich, Switzerland, C. Binder

A Transition without a Regime? The case of Irrigated Agriculture in the Upper Guadiana, Spain G. Holtz, University of Osnabrück, Germany

A Simulation Model Applying Transition Theory to the Case of Sustainable Transport

J. Kohler, N. Bergman, A. Haxeltine, University of East Anglia, UK, L. Whitmarsh, M. Schilperoord, J. Rotmans, Erasmus University Rotterdam, NL

Evolving Power and Environmental Policy: Explaining Institutional Change with Group Selection K. Safarzynska, Vrije Universiteit Amsterdam, J. van den Bergh, Universitat Autonoma de Barcelona, Spain

# Sessions III (& VI) - 5 June Friday morning (10:30-12:30)

# A III Transitions & Power: Steering Societal Change?

Chair: Anne Loeber, University of Amsterdam, NL;

Location: Concertzaal

Researching Power in Transition

F. Avelino, Erasmus University Rotterdam, NL

Malleability or Autonomous Trends? The Role of Agency in Shaping Multilevel Dynamics - Lessons from Agricultural Modernizations in the Netherlands, 1945-1974.

J. Grin, University of Amsterdam, NL

The Politics of Experimentation; Definitional Power in the Case of the Dutch Highway 80 km zones. *B. Pel, Erasmus University Rotterdam, NL* 

Legitimizing System Innovative Change: the Construction of Authority in 'Reflexive Arrangements' A. Loeber, University of Amsterdam, NL

#### A VI Policy Entrepreneurs

Chair: Saskia Werners, Wageningen University

Location: Kremlin I

Setting the Stage: A Policy Science Perspective on Policy Entrepreneurs in Transitions D. Huitema, Vrije Universiteit Amsterdam, NL, Sander Meijerink, Radboud University Nijmegen

Transitors: Supporters and Opposition of a Transition in Dutch and Hungarian Water Management S. Werners, J. Warner, Wageningen University, NL

Innovators or Conservators? Political Leadership and Innovations in Water Management A. van Buuren, P. Scholten, G. Teisman, Erasmus University Rotterdam, NL

The Value of Theoretical Multiplicity for Steering Transitions Towards Sustainability A. Dewulf, K. Termeer, R. Werkman & G. Breeman, Wageningen University, NL

# **B III Reflexive Governance**

Chair: Jan-Peter Voß, Technical University Berlin, Germany

Location: Zuilenzaal

Reflexive Governance as Governance in the Public Interest S. Weiland, Catholic University Louvain, Belgium

Reflexive Governance Towards Sustainable Development: Combining Deliberation, Anticipation and Transformation

D. Barben, Arizona State University, USA

Greening the State for Low-Carbon Futures: The role of Reflection in Transition Governance R. Hilldingsson, A. Kronsell, L. Nilsson, Lund University, Sweden

#### C III Instruments for Guiding Visions

Chair: Jaco Quist, TU Delft & Derk Loorbach, Erasmus University Rotterdam Location: Shaffyzaal

Impact of Transition Visions: Elite Utopias or Democratic Guidance?

D. Loorbach, Erasmus University Rotterdam, NL

The Impact of Backcasting for Sustainability after Ten Years : Linking Stakeholder Involvement to Diffusion and Guidance by Visions

J. Quist, Delft University of Technology, NL

Visions of Urban Energy System Transitions: The eco-Cities of Graz and Freiburg in Retrospect *P. Späth & H. Rohracher, IFZ, Austria* 

Towards More Open, Socially Inclusive and Just Transition Processes: Insights from the Citizens Science for Sustainability Project

M. Eames, Brunel University & J. Mortensen, UK

#### D III Designing Experiments

Chair: tba; Location: Teekenzaal

Green-Care Farming: from Niche Pioneers to a New Regime

J. Caron-Flinterman, R. Ferwerda-van Zonneveld & J. Hassink, Wageningen University, NL

Managing a Portfolio of Transition Experiments: The Experiences of the Transition Program in the Care S. van den Bosch, M. de Vries, J. Neuteboom, Erasmus University Rotterdam, NL

Socio-technical Experiment as Agents of Transition Toward Low Carbon Emitting Cities: the Case of Worcester, MA

P. Vergragt, Tellus Institute, Boston, H. Szejnwald-Brown, Clark University, USA

Sustainable Technological Development and Innovation Policy – Complex Systems in Transitions, the Story of the Norwegian Electric Car Think

R. Roste, NIFU, STEP, Norway

# E III Innovation Systems Dynamics

Chair: Bernhard Truffer, Cirus Eawag, Switzerland Location: Kremlin II

Understanding the Dynamics of Innovation Systems

M. Hekkert, Utrecht University, NL

Motors of Sustainable Innovation: An Analysis of Technological Innovation Systems based on Multiple Case Studies

R. Suurs, Utrecht University, NL

The 'Hour-Glass Shape' in Nanomaterials Innovation Systems and its Implications for Governance I. Rafols, P. van Zwanenberg, M. Morgan, A. Smith, Sussex University, UK

# Session IV - 5 June Friday afternoon (13:30-15:30)

#### A IV Deepening the Theory

Chair: Frank Geels, Sussex University, UK

Integration of ICT in Everyday Life – Exploration of Transition Processes in an Environmental Perspective Roepke, Technical University of Denmark, DK

Ethics in Transitions? An Inquiry into the Moral Dimensions of Processes of System Innovation C. Driesen, Wageningen University, NL, V. Beekman, Vrije Universiteit Amsterdam, NL

Interventions for Sustainable Behavior

C. Hoogland, Erasmus University Rotterdam, NL

An Actor-Based Evolutionary Approach to Transitions in Production and Consumption Systems *F. Boons, Erasmus University Rotterdam, NL* 

#### **B IV** Governance Challenges

Chair: Marko Hekkert, Utrecht University, NL

Transition Management and the Need for Mature Connections with EU and National Innovation Policies E. Paredis, Ghent University, J. Larosse, European Commission, I. Dries, Ministry of the Flemish Community, Belgium

Governing Transitions in a Diverse, Divided and Multilevel World – Challenges for Legitimacy S. Karlsson, Turku School of Economics, Finland

Governmental Interventions and Sustainable Resource and Material Policy *K. Jacob, S. Werland & F. Raecke, Free University Berlin, Germany* 

Complexity Leadership and Sustainable Transitions

S. Nooteboom, Wageningen University NL, C. Termeer, Erasmus University Rotterdam, NL

#### CIV Water

Chair: Derk Loorbach, Erasmus University, NL;

Location: Teekenzaal

Location: Shaffyzaal

Location: Concertzaal

The Role of Discourse: Understanding Dutch River Policy Changes N. Schoorlemmer, Technical University Eindhoven, NL

Multi-Level Governance And Power In The Case Of System Innovation Of The Dutch Water Management L. Sterrenberg, University of Amsterdam, NL

Understanding Opportunities for Change under Water Framework in England and Wales R. Seato, B. McIntoshn, O. Schilt, M. Spiller & P. Jeffrey, Cranfield University, UK

#### D IV Action Research

Chair: Adrian Smith, SPRU, UK,

Location: Zuilenzaal

Contributions of Action Research to Adoption of Low Carbon Technologies and the Transition to Sustainability *P. Reason, University of Bath, UK* 

Delving in the Niche: Power, Relational Practice, and Discursive Strategies in Carbon-Reduction G. Coleman, University of Bath, UK

Accelerating Carbon Reduction in the Field of Local Authorities: From Tales to Themes to Transition? *M. Gearty, University of Bath, UK* 

Anaerobic Digestion: A promising Technology Stalled by Contextual Issues *M. Williams, University of Bath, UK* 

## E IV Geography of Transitions

Chair: tba; Location: Kremlin

Providing a Context to Transitions Theory: The Need for Spatial Perspective L. Coenen, TNO, NL and Lund University, Sweden, P. Benneworth, Newcastle University, UK, F. Diaz-Lopez, TNO, NL

Climate and Eco-Adaptation In Housing and Construction – Transition as Local and Regional Processes B. Sondergard, J. Holm, I. Stauning, ENSPAC, Roskilde University, Denmark

The Role of Change Leaders in the Transition towards Sustainability in Rural-Urban Regions in the Netherlands L. Horlings, Tilburg University, Nl

Australia's Transitioning to Sustainable Urban Water Management: Analysis of Green Niche-Regime Translations

Rebekah Brown, Monash University, Australia

# **Session V - 6 June Saturday morning (9:30-11:30)**

#### A V Regime Responses

Chair: Boelie Elzen, Wageningen University, NL;

Location: Zuilenzaal

Unraveling Systemic Barriers for Transitions through Analysing Innovative Practices in Health Care *T. Schuitmaker & E. Ter Haar, NL* 

Analyzing Persistent Problems in the Health Care System: The Case of The Pharmaceutical Care System D. Essink, J. Broerse & T de Cock-Buning, Vrije Universiteit Amsterdam, NL

Niche Occupancy by an Incumbent Regime in a Long-term Electricity Transition *T. Berkhout, A. Wiek & J. Robinson, University of British Columbia, Canada* 

Destabilization and Decline of Existing Regimes as the Key to Transitions Towards Sustainability *F. Geels, University of Sussex, UK* 

Environmental Pressures and the Destabilization of Existing Regimes: The Case of British Coal Industry 1870-1970

B. Turnheim, University of Sussex, UK

# B V Role of Science

Chair: Gert Spaargaren, Wageningen University, NL; Location: Kremlin

Revealing the Hidden Actors in Transitions: Exploring Multi-Disciplinary Research Activities as part of transition Processes

T. Hargreaves, University of East Anglia, UK

How to Maintain a Distinct Role of Science in Informing the Governance of Sustainability Transitions – Lessons Learned from Transdisciplinary case Study at ETH Zurich

D. Lang, M. Stauffacher, P. Krutli, R. Scholtz, ETH Zurich, Switzerland

The Initiation of Transition toward a Biobased Economy: An Analysis of the Critical Role of Science in the Establishment of the Governance System

Nele d'Haese, Erasmus University Rotterdam, NL

The Role of Academic Research in Transitions

L. Hessels, Utrecht University, NL

The Role of Education for Transitions towards Sustainability: Which Key Competencies Need Individuals for Contributing to Societal Transformations?

M. Rieckmann, University of Luneburg, Germany

## CV Politics & Policy

Chair: John Grin, University of Amsterdam., NL,

Location: Teekenzaal

The Politics of Governing Transitions Towards Sustainability

F. Kern, University of Sussex, UK

Preliminary programme as of 24 May; for updates please check - http://www.ksinetwork.nl/conference2009

Understanding Political Transitions. How New Designs for Sustainable Development Interact with Dynamics of Governance Change

Jan-Peter Voß, Berlin University of Technology, Germany

Political, Institutional, Economic and Technological Dynamics of Expanding Renewable Electricity Generation in Germany

V. Lauber, University of Salzburg, Austria

The Performative Power of Transition Management Theory

M. Duinveld, R. Beunen, Wageningen University, G. Dix, University of Amsterdam, NL

### DV Scaling-up & Strategic Orientation

Chair: Geert Verbong, Technical University Eindhoven, NL

Changing the Rules? Regimes, Niches and the Transition to Microgeneration *A. Genus, Newcastle University, UK* 

Shared Value Development Towards a Metropolitan Agriculture

W. Boon, V. Beekman, B. Regeer, S. Mager & J. Bunders, Vrije Universiteit Amsterdam, NL

Hybrid Actors in Developing System Innovations. Case of Primary Health Care Management S. Kivisaari & E. Saari, VTT Technical Research Center of Finland, Finland

Grassroots Innovation and 'Modernized Mixtures' for Sustainability: The Case of Body Disposal Practices in the UK.

A. Monaghan, Brunel University, UK

#### E V Globalization & Asia

Chair: Johan Schot, Technical University Eindhoven, NL,

Location: Shaffyzaal

Location: Concertzaal

Sustainability Transitions in Developing Asia: Are Alternative Development Pathways Likely? F. Berkhout & A. Wieczorek, Vrije Universiteit Amsterdam, NL

Leapfrogging in Infrastructure: Identifying Transition Trajectories Towards Decentralized Urban Water Management in China

C. Binz & B. Truffer, Cirus, Eawag, Switzerland

Preparing the Next Transition? China's Attempt to Reconcile Development and Sustainability D. Fischer, German Development Institute, Germany

Toward Sustainability in China's Cities: Food Security

G. Lang & B. Miao, City University of Hong Kong, Hong Kong

Historical Transition of the Japanese Commercial Sector and Technology Trajectory

Y. Yamaguchi, Osaka University, Japan

# Session with four commissioned papers from researchers in the KSI network V – Friday afternoon, 5<sup>th</sup> June (16:00-17:00)

Four specially commissioned papers from researchers in the KSI network (20 minutes each plus 10 minutes discussion)

#### Parallel session A (Commentator: Frank Fischer; Session chaired by Johan Schot):

Location: Concertzaal

Exploring the Transition Potential of the Ecovillage Movement Flor Avelino, Erasmus University Rotterdam

Cultural Legitimacy in Socio-Technical Transitions: from Cemetery to Crematorium in the UK Bram Verhees, Technical University Eindhoven

### Parallel session B (Commentator: Ray Hudson; Session chaired by John Grin):

Location: Shaffyzaal

Leaving the Niche: Patterns of Exploration and Exploitation in Technological Innovation Systems *Floortje Alkemade, Utrecht University* 

Concepts and Objects as Boundary Objects for Sustainable Animal Husbandry - Anticipating Regime Transformations by Design *Bram Bos, Wageningen University*