

Workshop Circular Economy

Organizers: SENSE Research School in close collaboration with the Ministry of Infrastructure and Environment (I&M) and the Netherlands Environmental Assessment Agency (PBL).

Date: Monday 13 March 2017, 13:30 – 17:30

Place: PBL building, Bezuidenhoutseweg 30 ('B30'), 2594 AV Den Haag

Programme:

Chair: Huub Rijnaarts (chair general board of SENSE)

Time	Person	Subject
13:30 – 14:00		Registration & reception with coffee and tea
14:00 – 14:05	Huub Rijnaarts (SENSE)	Introduction
14:05 – 14:15	Marc Pruijn (project leader CE at I&M)	Dutch policy on the circular economy – main goals for 2030 and 2050
14:15 – 14:25	Aldert Hanemaaijer (PBL)	Challenges and relevant scientific questions for the transition to a circular economy
14:25 – 14:35	Linda Docter (Dutch Spirit)	Experiences from SME's and industry
14:35 – 14:45	Annemarie van Wezel (KWR)	Closing cycles and the prevention of health risks
14:45 – 14:55	Arnold Tukker (CML, Leiden University)	New vision on the realisation of the circular economy – scientific challenges
14:55 – 15:05	Marko Hekkert (Copernicus Institute, Utrecht University)	Circular Economy requires Guidance
15:05 – 15:10	Huub Rijnaarts	Instructions for parallel sessions
15:10 – 15:30	All	Coffee and Tea break
15:30 – 16:45	Various young researchers	Parallel sessions: PhD and other pitches (5 minutes) on current research topics / research needs related to the transition to a circular economy (see next page)
16:45 – 17:15	Huub Rijnaarts (convenor), Marc Pruijn (I&M), Arnold Tukker (CML-LU), Aldert Hanemaaijer (PBL), Marko Hekkert (UU), Annemarie van Wezel (KWR), Linda Docter (Dutch Spirit)	Panel discussion - summary and conclusions – further actions
17:15 – 17:45	All	Drinks and bites - networking

Themes:

- (i) Recycling and re-use of water and biobased materials & products and bioenergy production
- (ii) Recycling and reuse of building and electronic products and recycling of non-biotic mineral resources
- (iii) Value chain - product service business models and consumer aspects
- (iv) Closing cycles and the prevention of health risks
- (v) Water governance arrangements

Pitches: focus on "what could your PhD research contribute to the transition to a circular economy".

Parallel sessions

Theme I & IV: Recycling and re-use of water and biobased materials & products and bioenergy production, including health risks

Convenor: Dr Tim Grotenhuis

15:30 – 15:35	Rosanne Wielemaker (WUR-ETE)	Integrating Urban Agriculture and New Sanitation
15:35 – 15:40	Jess Wreyford (WUR-ETE)	Dynamic modelling of freshwater use for industrial processes
15:40 – 15:45	Janneke van der Leer (TUD-DoU)	Developing and implementing SETS methods in the transition towards a Circular Economy in the Amsterdam Metropolitan Area
15:45 – 15:50	Arnoud de Wilt (WUR-ETE)	Biological treatment of pharmaceuticals in wastewater
15:50 – 16:05	All	Reflection and discussion

Theme II: Recycling and reuse of building and electronic products and recycling of non-biotic mineral resources

Convenor: Prof. Arnold Tukker

15:30 – 15:35	Sebastiaan Deetman (LU-CML)	circular use of metals
15:35 – 15:40	Annemerel Mol (WUR-ETE)	Controlling properties of sulfur particles formed in biological desulfurization
15:40 – 15:45	Dong Liang (LU-CML)	Closing loops at eco-industrial parks and their economy-wide environmental benefits – experiences from the NWO-Chinese MOST project on Smart Industrial Parks
15:45 – 16:05	All	Reflection and discussion

Theme III: Value chain - product service business models and consumer aspects

Convenor: Prof. Marko Hekkert

16:10 – 16:15	Bertram de Boer (LU-CML)	Hotspot analysis with input-output tables to uncover crucial environmental pressures and resource uses from a (Swedish) consumption perspective
16:15 – 16:20	Martijn Broeren (UU)	evaluation of sustainability assessment tools for the BBE and CE
16:20 – 16:25	Glenn Aguilar (LU-CML)	Towards a method to assess the environmental benefits of circularity with global input output tables
16:25 – 16:30	Piero Morsetto (IVM-VU)	The relevance of targets (also for a circular economy)
16:30 – 16:35	Ana Pocas Ribeiro (UU)	Drivers for consumption
16:35 – 16:45	All	Reflection and discussion

Theme V: Water governance arrangements

Convenor: Dr Annemarie van Wezel

16:10 – 16:15	Rick Hogeboom (UT-WMG)	Assessing and addressing inter-annual variability in blue water scarcity at high spatiotemporal resolution on a global scale
16:15 – 16:20	Ilse Voskamp (WUR-LAR/ETE)	The spatial side of urban water management; how to equip urban designers for designing the circular city
16:20 – 16:25	Charlotte Verburg (UT-WMG)	Global sustainable water and land use in supply and demand of agricultural commodities under social and environmental pressures to reach global water and food security
16:25 – 16:30	Joeri Willet (WUR-ETE)	Reaching system sustainability with current water evaluation methodologies
16:30 – 16:35	Moises Covarrubias (WUR-ENP)	Governance of the Urban Nexus
16:35 – 16:45	All	Reflection and discussion