

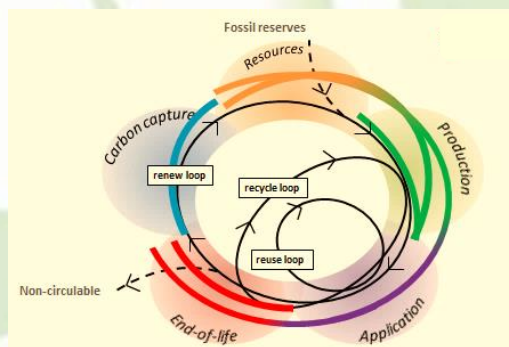
3 November 2017

Inspiring chemistry for a circular economy?

Balancing environmental opportunities and risks

The chemical industry, being positioned at the beginning of many value chains, feels a high responsibility to play a decisive role in the development of new sustainable technologies. This sector has the ambition to realize a 40% reduction of the emission of greenhouse gases by 2030 with respect to 2015. In 2017 a reduction of nearly 20% has already been realized by reducing energy waste and the use of green energy. The remaining CO₂ reduction should be realized by circular solutions, like the use of biomass as feedstock and the recycling of end-of-life products (Source: Kunststof Magazine, Nr. 6, September 2017). Chemical companies and research institutes are therefore actively searching for bio-based and biodegradable chemicals, plastics and composite materials that more and more have been designed to facilitate easy recycling, the so-called 'assemble-to-disassemble approach'.

At the Symposium 'Inspiring chemistry for a circular economy?' some approaches will be communicated, both focused on biomass-based and/or biodegradable plastics and other materials and on recyclable plastics and other materials designed to be easily disassembled. In addition to the communicated industrial approaches, a politician will share her point of view regarding the circular economy approach.



Van Loo, ECN, 2016

Registration:

Online registration and payment before 31 October via this link: <http://mm.kncv.nl/reg-inspiring>
 Members MCT, MM, BvM, KNCV and NVT: €40
 Students: €20 or free when becoming a member
 Non-members: €80 or €60 when becoming a member

Location:

[KWR](#)
 Groningerhaven 7
 3430 BB Nieuwegein
 The location can be reached by bus 65 from Utrecht CS

More information can be found at:

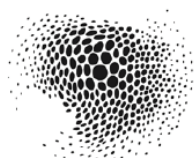
www.milieuchemtox.nl, www.mm.kncv.nl, www.materialenkennis.nl

Symposium : "Inspiring chemistry for a circular economy? Balancing environmental opportunities and risks"

Friday November 3, 2017

KWR

Groningerhaven 7, 3430 BB Nieuwegein



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Preliminary program:

09:30 Registration and coffee/tea

10:00 *Opening:* Willie Peijnenburg (Leiden University/RIVM) & Bert Gebben (Teijin Aramid)

10:10 Hester Klein Lankhorst (Kennisinstituut Duurzaam Verpakken): *t.b.a.*

10:50 Gert-Jan Gruter (UvA, Avantium): *The Opportunity of Sustainable Materials*

11:30 *Coffee break*

11:50 Christiaan Bolck (WUR): *Renewable materials: drivers for the biobased and circular economy*

12:30 *Lunch*

13:15 Martin Doornheim (Corbion): *PLA Bioplastics, the lifecycle of a high heat PLA cup*

13:45 Annemarie van Wezel (UU, KWR): *Analyses of micro- and nanoplastics*

14:15 Valerie Reid (DSM Niaga): *Niaga® - a product design philosophy for a circular economy*

14:45 *Coffee break*

15:15 André van Zomeren (ECN): *Environmental assessment of recycled construction products in multiple life phases*

15:45 Arjan Budding (Waterschap Vallei en Veluwe): *From waste to value, circular economy with the Dutch Water Authority Waterschap Vallei en Eem*

16:15 Jan-Peter Born (HVC): *Ashes to Ashes, mining of urban waste post combustion*

16:45 Panel discussion with speakers
guided by Jan Schrijver (IntelliPlast) & Heather Leslie (VU-E&H)

17:15 *Drinks*

More information can be found at:

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