

## HOW THE LINCIT JOURNEY CONTINUES



### JUNE 2023

Dennis Vegter started his post-doc position on using **system dynamics** to measure circular performance



### SEPTEMBER 2023

Syedhassan Hajiakbari started his PhD position on **tensions** and **synergies** that arise from implementing circular, next to linear, business models



### OCTOBER 2023

Henri Defoor started his post-doc position on waste reduction

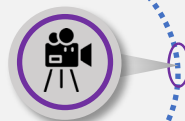


### JULY 2023

Zhongxin Hu started her PhD research on the profitability of **remanufacturing** and who should execute this activity

### JANUARY 2024

We, together with HQ Group, took part in the TV program 'Doe maar duurzaam'



To enable wider dissemination of LINCIT, we took part in the television program 'Doe maar duurzaam', which will be broadcasted on March 30 at SBS6. We would like to thank HQ Group for their active help and participation!



## MESSAGE FROM THE PROJECT LEADER



Dear all,

It is with great pleasure to share the second LINCIT newsletter. We have started to shape the work packages and we are looking forward to share the results we obtained so far, gather your input on these findings, and to strengthen our network. To this end, we hope to welcome you at our next consortium meeting on February 27. Hope to see you there!

Greetings,  
*Néomie Raassens*

## WHO IS WHO? | VALORIZATION PARTNERS

In this newsletter edition, we will take the opportunity to introduce our valorization partners. Valorization and knowledge dissemination are an integral part of LINCIT and, therefore, we are happy that partners dedicated to these activities are part of our consortium.

We are grateful to our valorization partners to help us ensure a persistent and long-lasting visibility of our activities and outcomes to a broader audience (e.g., the industry including small and medium-sized enterprises, governmental bodies). We hope to foster awareness, active engagement and participation, and enactment to implement solutions.



John van Ginkel is owner of Link Magazine and chair of the LINCIT valorization panel.



“Becoming circular requires being properly digitized so that you can properly administer return flows. But many companies are not at all ready.”

For industry, closing circular chains is very complicated. And then there is also the question of whether it is always the way to increase sustainability. A circular business model is not possible

without shifting the focus - in part - from product sales to services. However, circularity also requires close cooperation in the chain in which each link takes responsibility for its contribution to the ESG footprint. How do you get the whole chain aligned? How do you overcome the resistance that comes with major changes? When does EU rules such as the CSRD and the CSDD make circularity unavoidable? And how do you build a good business model around refurbishment and remanufacturing?

Liselot Gerritzen is manager at Stichting Service Logistics Forum (SLF). Since May last year it is SLF's explicit aim to help its participants to become more circular. The board members are committed to this aim and to underscore its importance formally signed a written mission statement. The first milestone, during the Service Leadership Summit, was the announcement to give SLF participants free access to the Circular Maturity Scan, a product with roots in a previous research project of HU (CBMM).

“As a community of service logistic professionals, the SLF feels naturally connected to circularity by discussing repair, refurbishment, and reuse strategies for more than 25 years.”





Tom van Woensel is director of the European Supply Chain Forum (ESCF).

Vera Mackus is communication and management assistant at ESCF.



The European Supply Chain Forum (ESCF) is the leading collaboration platform – with more than 60 affiliated companies, supported by TU/e faculty members and students – in solving practical and scientific supply chain challenges. ESCF aims to guide companies with the transition to circularity, and, therefore, embeds LINCIT in its ESCF Circular research program (see [www.escf.nl/circular](http://www.escf.nl/circular)).

“ESCF members prioritize circular design for their future business endeavors, tackling challenges with solutions from TU/e researchers and students to create value in the supply chain.”

Our other valorization partners are



WP1 | Starting small WP2 | Redrawing partnerships WP3 | Scaling the ecosystem WP4 | Measuring



## INVITATION

We would like to introduce all consortium members in the next editions of the LINCIT newsletter. You are invited to contribute to this 'who is who' rubric, so please share your input.

**Graduated**

**Harm van Veen**

📍 PostNL  
 # Optimization of returnable transport items



01

02

**Romy Olislagers**

📍 DB Schenker  
 # Analysis of the handling process of reusable euro pallets and the return flow


**Graduating**


Sjors van Dosselaar  
 @HQ Pack

Cecília Tóth  
 @Up Cycle – Pottle

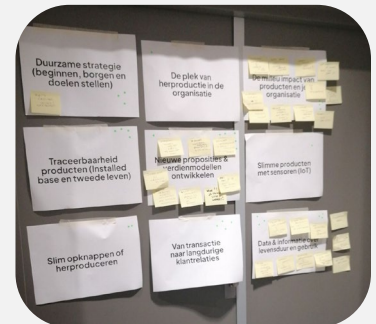
David Bruinenberg  
 @Dopple

As representatives of LINCIT, we attended several events. On September 28, we joined the round table session on circular economy organized by Link Magazine and hosted by Hapert Wagenbouw. The main question that was central to this session was:



How can remanufacturing be embedded in a futureproof business model?

From the discussion three main themes emerged: (i) the development of new value propositions and business models, (ii) the environmental impact of products and the organization, and (iii) data and information on the product lifecycle and product use. A follow-up discussion will be organized!


**HAPERT**  
AANHANGWAGENS

On October 12, we attended the conference 'Logistiek beweegt de circulaire economie' at the Hogeschool van Amsterdam. Central to this conference was the topic of collaboration. Hans Leijen, Senior Supply Chain Consultant at Philips Innovation Engineering Solutions, contributed to this conference by guiding a working session on the realization of scalable circular supply chain solutions for digital health devices.


**PHILIPS**



On November 12, the Service Logistics Forum organized The Service Leadership Summit. The main theme of this event was 'Towards Green and Resilient Service Supply Chains'. The program consisted of company visits and a plenary afternoon session with presentations, case illustrations, break-out sessions, and a Young Talent Program. Arjen Wierikx presented the Circular Capability Maturity Model (CCMM), and SLF offers its members free access to this tool. SLF provides companies the opportunity to take bigger steps in becoming circular by sharing knowledge.



The first 'Kennisconferentie Logistiek' took place on November 30. The main goal of this conference was to present the current research projects and to bring together researchers, companies, and policy makers to create practical impact. First, fifteen projects that were initiated in the last two years (within the program of the Ministry of Infrastructure and Water Management (IenW) of the Top sector Logistics) were pitched. Then, informal, interactive one-on-one meetings were possible to discuss the topics in more detail. The discussions with the different parties that were present provided energy, new insights, and inspiration!



## UPCOMING EVENTS



Consortium meeting LINCIT  
February 27, 14:00-17:00  
@ Eindhoven



Logistiekdag Nederland  
February 29, 9:30-15:00  
@ Provinciehuis Zuid-Holland



De circ. volwassenheidsdag  
March 11, 13:00-17:00  
@ Hogeschool Utrecht



Consortium meeting LINCIT  
May 14, 12:00-17:00  
@ To be announced

We would like to share our progress and to set the stage for involving you in our efforts!

During the consortium meeting, we will

- 1) present our progress
- 2) organize small tasks
- 3) create network opportunities!



**MARK FEBRUARY 27  
IN YOUR AGENDA**

## INVITATION FOR COURSE PARTICIPATION BRING IN YOUR OWN CHALLENGE!



We invite your company to contribute a challenge to our upcoming Sustainable Supply Chains course at Eindhoven University of Technology, which is part of our master's in Operations Management and Logistics. From late April to early June, our students will tackle challenges surrounding the impact and footprints of supply chains. In this challenge-based environment they gain practical insights under expert guidance, while the challenge-owners (you) benefit from fresh, sustainable solutions and recommendations. Your involvement bridges academia and industry, enriching the learning experience and helping shape the future of more sustainable supply chains. For more information on joining this initiative, contact us (via [m.mohammadi1@tue.nl](mailto:m.mohammadi1@tue.nl) and [g.h.v.kollenburg@tue.nl](mailto:g.h.v.kollenburg@tue.nl)).

## RESEARCH STORIES

### *Switching to remanufactured products in the circular economy*

Circular economy initiatives require that consumers become key actors in the supply chain, i.e., the last node of a linear consumption system. But what information can be shared to affect their intention to switch from purchasing new to remanufactured products?

In a Technological Forecasting & Social Change paper, Quan Zhu (together with Yacan Wang, Harold Krikke, and Benjamin Hazen) analyzed data from 906 laptop owners via structural equation modelling.

The result? Sharing knowledge about the product history, recapture process, and remarket process positively influences consumers' attitudes towards remanufactured products and, subsequently, their switching intentions. Interestingly, more knowledge of the recapture process actually reduces switching intention, even considering new product price levels.

This study calls attention to the role of information sharing on circular economy. By deliberately removing information asymmetries, companies in the remanufacturing supply chain can positively influence consumer perceptions of remanufactured goods.

## RESEARCH STORIES CONT'D.

### *Circular supply chains: the role of supply chain professionals in creating a circular economy*

The Ellen MacArthur Foundation, a renowned organization which aims to accelerate the transition to a circular economy, has published a very interesting white paper on the crucial role of supply chain management for the transition to a circular economy.

One of the researchers in the LINCIT project, Dennis Vegter from NHL Stenden – responsible for work package 4 on performance measurement within circular supply chain management, has contributed to the development of this white paper. Dennis Vegter previously introduced circularity and sustainability in the SCOR model. This model is used by over 5,000 organizations worldwide to describe their supply chain processes and measure and improve their performance. Now, the SCOR model offers various opportunities to model circular supply chains and measure their circularity and sustainability. The white paper of the Ellen MacArthur Foundation builds upon these opportunities.

The circular economy offers businesses the opportunity to redesign their supply chains to build resilience, reduce costs, and cut greenhouse gas emissions. The white paper describes the benefits and challenges of circular supply chains and the role of supply chain professionals. Various inspiring practical examples explain what circular supply chains are, how to implement them, and how supply chain leaders can transition their organization's supply chain from linear to circular.

The white paper is open access free-of-charge available via:

<https://www.ellenmacarthurfoundation.org/circular-supply-chains>.

In case you may have questions or remarks about the white paper or about performance measurement in circular supply chain management, feel free to send an email to Dennis Vegter: [dennis.vegter@nhlstenden.com](mailto:dennis.vegter@nhlstenden.com) or to reach out during the upcoming LINCIT event.

The next newsletter will appear next quartile (April/May 2024). If you would like to share ideas, insights, or upcoming events, do not hesitate to contact us!

**GET IN  
TOUCH**

Contact us at [escf@tue.nl](mailto:escf@tue.nl)

