

## Day-to-day schedule 2026

### Getting to Circular Building Economics

2026 Monday July 13<sup>th</sup> – Friday July 17<sup>th</sup>

Heidelberglaan 15, Utrecht



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For any questions regarding the organization of the Summer School, your enrollment, housing or social programme, please contact the Utrecht Summer School office: [info@utrechtsummerschool.nl](mailto:info@utrechtsummerschool.nl).

*For information about the social programme, check out the [Utrecht Summer School website!](#)*

## Provisional Schedule

v1 01 April 2026

*Subject to change*

Day 1 Monday July 13<sup>th</sup> – Circularity in the Building Construction processes

<i>Time</i>	<i>Activity</i>	<i>Description</i>
9.00 – 9.30	<i>Getting to know your team of students</i>	<i>Bingo on getting to know each other</i>
9.30 -10.00	<i>The week explained, including expedition to Buro Boot</i>	<i>Presentation of all the activities and course content of the week</i>
10.00 - 10.15	<i>Coffee break</i>	
10.15 – 10.30	<i>Today's Menu of courses</i>	<i>An outline of the courses and activities for Monday</i>
10.30 – 11.15	<i>Circular Building as domain</i>	<i>Definitions and starting point on the topic</i>
11.15-11.30	<i>Coffee break</i>	
11.30-12.30	<i>The circular building industry value chain in practice</i>	<i>A process viewpoint of the linear versus the circular value chain of the building industry</i>
12.30 – 13.30	<i>Lunch break</i>	
13.30 – 14.00	<i>Explanation of the game Experiencing a circular building value chain</i>	<i>Prior to playing the game, we will explain the game and its rules and components</i>
14.00 – 15.45	<i>Two rounds of playing the game + evaluation</i>	<i>We will play the game 1x 15 minutes plus evaluation followed by the next round of 15 minutes plus evaluation.</i>
15.45-16.00	<i>Thee Break</i>	
16.00-16.30	<i>Round three plus evaluation</i>	<i>We will play round three for 10 minutes and evaluate</i>
16.45-17.00	<i>Day closure and Reflections</i>	<i>Summary followed by: What was in it for you, what have you learned, what do you want to share in the group.</i>

*\* Literature uploaded must have been read prior to the lessons*

Teachers:

- Marja Exalto-Sijbrands (host of the day)
- Carolijn Schrijver (game teacher)

Day 2 – Tuesday July 14<sup>th</sup> How AI and Digital Innovation help circularity

<i>Time</i>	<i>Activity</i>	<i>Description</i>
9.00 – 9.15	<i>Welcome for day 2 and introduction of the day content</i>	<i>An outline of the courses and activities for Tuesday</i>
9.15 -10.00	<i>Introduction to AI* – the basics</i>	<i>Presentation of the basics of AI</i>
10.00 - 10.15	<i>Coffee break</i>	
10.15 – 10.45	<i>AI examples</i>	<i>From different industries, great examples of what AI entails</i>
10.45 – 11.15	<i>Simulation as a tool for the transition towards circular</i>	<i>Simulation as a tool to experiment for solutions of problems with AI as support of the simulation tool</i>
11.15-11.30	<i>Coffee break</i>	
11.30 – 12.30	<i>Simulation continued</i>	
12.30 – 13.30	<i>Lunch break</i>	
13.30 – 14.30	<i>Digital Product Passports</i>	<i>Data within the Circular values chain of the Building industry</i>
14.30 – 15.15	<i>AI Workshop introduction with AI for the building instruction Problems and Data-Solutions</i>	<i>From a perspective of becoming circular, including the AI-expedition Problem to solving via Simulation and AI</i>
15.15 - 15.30	<i>Thee Break</i>	
15.30 - 16.45	<i>Workshop Continued</i>	<i>Including Presentations of the solutions ideas</i>
16.45-17.00	<i>Day closure and Reflections</i>	<i>Summary followed by: What was in it for you, what have you learned, what do you want to share in the group.</i>

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Teachers:

- Marja Exalto-Sijbrands (host of the day)
- Diana Boekman (AI expert)
- Helmer van Merendonk (expert DPP's and digitalization)
- Quan Zhu (Expert Simulation Techniques)

Today we learn about AI, what it is, how it has been used already. We learn about data and its importance for circularity. That is why Digital Product (and material) Passports (DPP's) are going to be introduced and obligated in the building construction market from 2028 onwards. What are these DPP's and why are DPP's of importance.

Next, we learn about simulation and how we can simulate processes, what importance data is within these simulations. And, the game we have played on Monday is also a simulation instrument. We will combine AI, the need and use for data and simulation of processes in a workshop where you can try to put them together. You can select any process and you will try find out how the process can be improved for fitting a circular value chain: what would you need to change and add in data to make it fit a circular value chain?

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Day 3 – Wednesday July 15th

<i>Time</i>	<i>Activity</i>	<i>Description</i>
9.00 – 9.15	<i>Welcome for day 3 and introduction of the day content</i>	<i>An outline of the courses and activities for Wednesday</i>
9.15 -10.00	<i>The transition in behavior in the construction sector</i>	<i>The importance of the transition in behavior and a discussion of what we can learn from circular frontrunners</i>
10.00 - 10.15	<i>Coffee break</i>	
10.15 – 11.00	<i>The transition in behavior in the construction sector ... continued</i>	
11.00 – 11.15	<i>Coffee break</i>	
11.15-12.30	<i>Business Model Canvas Circular Building</i>	<i>Activity The road map in Business Model understanding for the entrepreneur active in the circular value chain of the building industry</i>
12.30 – 13.30	<i>Lunch break</i>	
13.30 – 14.30	<i>Digital Twins in building construction</i>	<i>Explanation What are Digital Twins and how do these support sustainability and circularity in the building construction?</i>
14.30 – 15.30	<i>Modular building</i>	<i>Building via the concept of modules</i>
15.30 - 15.45	<i>Thee Break</i>	
15.45 - 16.45	<i>Workshop add ideas on a large BMC-CB- poster and present</i>	<i>Where would a behavior GAP, a digital twin and modular building fit within the Business Model Canvas and why?</i>
16.45-17.00	<i>Day closure and Reflections</i>	<i>Summary followed by: What was in it for you, what have you learned, what do you want to share in the group.</i>

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Teachers:

- Marja Exalto-Sijbrands (host of the day)
- Mats Belgers (expert Behavior Studies)
- Maurits Hagemans (expert Digital Solutions for circular building industry)

On Wednesday we will be taken through behavior aspects that make or break the transition towards circular for the building industry. Next to motivation there are more behaviors to discover and how these behaviors support or work against the transition and what the results on behavior studies are up to date.

You will learn about a new instrument through which we can help companies to understand how the can create a road-map for their business model to adopt circularity step by step in participating in the circular world.

Next to that we will learn about digital twins in the building industry and how modular building will help the industry to become more and more circular over time.

For information about the social programme, check out the [Utrecht Summer School website!](#)

Day 4 Thursday July 16th

<i>Time</i>	<i>Activity</i>	<i>Description</i>
9.00 – 9.15	Welcome for day 4 and introduction of the day content	An outline of the courses and activities for Thursday
9.15 -10.00	Inter-organizational Information processing: Uncertainties and mechanisms	As became apparent from previous sessions, data plays an important role in the transition to a circular construction economy.
10.00 - 10.15	Coffee break	
10.15 – 11.00	Workshop adding to the large poster of the BMC-CB	How to add more data elements to the BMC-CB? Presentations of ideas
11.00 – 11.15	Coffee break	
11.15 – 11.45	Discussion of results	
11.45 – 12.00	Presentation of Buro Boot and travel tips	
12.00 – 14.00	Lunch break & travel	Pick up your Lunch and we will travel to Veenendaal to Buro Boot
14.00 – 16.00	Visit to Buro Boot	Visit including our travel back to Utrecht

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Teachers:

- Marja Exalto-Sijbrands (host of the day)
- Pascal Sluiter
- Buro Boot visit at Veenendaal

### **Inter-organizational Information processing: Uncertainties and mechanisms**

As became apparent from previous sessions, data plays an important role in the transition to a circular construction economy.

To leverage the value of data, organizations must be able to process information. However, this information processing is not straightforward but is accompanied by uncertainties. Mechanisms can be deployed to mitigate these uncertainties.

During this session, we will examine the uncertainties a company may experience when participating in inter-organizational information processing and the mechanisms that can be used to address them. Since deploying mechanisms requires an investment, we will also examine how to organize their use within the ecosystem.

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Day 5 – Friday July 17h

<i>Time</i>	<i>Activity</i>	<i>Description</i>
9.00 – 9.15	<i>Welcome for day 4 and introduction of the day content</i>	<i>An outline of the courses and activities for Friday</i>
9.15 -11.15	<i>The Game</i>	<i>We play the game again now, with all information and insights available</i>
11.15-11.30	<i>Coffee break</i>	
11.30-12.30	<i>Observations and learning point</i>	<i>You write in your team your observations and present it to the group</i>
12.30 – 13.30	<i>Lunch break</i>	
13.30 – 14.00	<i>Examples of profitable circular business models</i>	<i>Calculations and differences of conventional and circular building</i>
14.00 – 15.45	<i>Define your question for further study</i>	<i>Writing on the wall (papers) What are the research questions the groups have found ( and for further study)</i>
15.45-16.00	<i>Thee Break</i>	
16.00-17.00	<i>Day and week closure, Reflections, Evaluation form, Certificate ceremony</i>	<i>Summary followed by: What was in it for you, what have you learned, what do you want to share in the group.</i>

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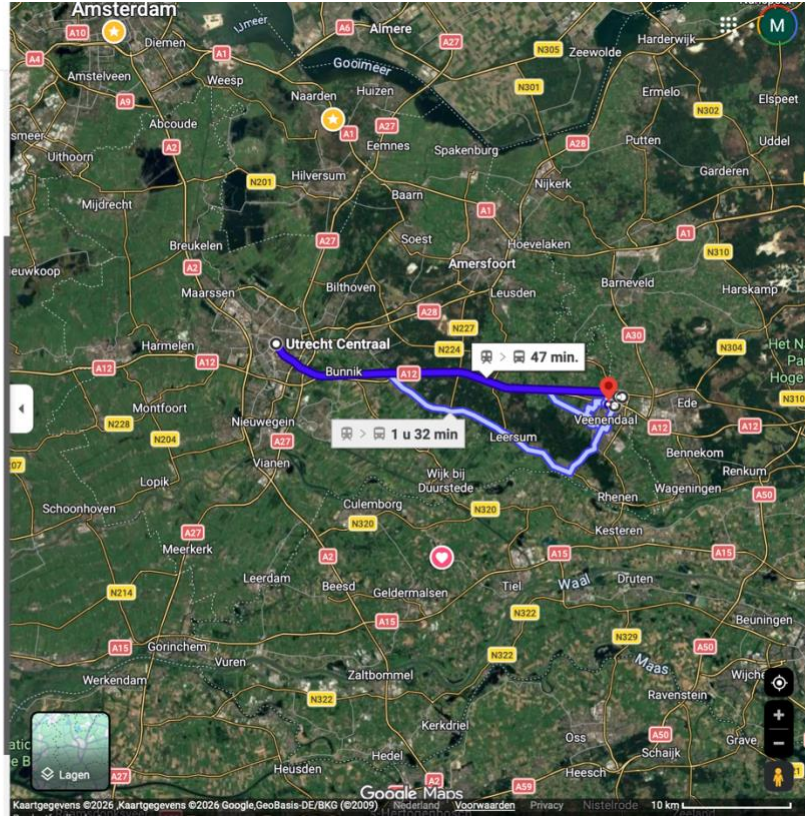
Teachers:

- Marja Exalto-Sijbrands (host of the day)
- game teachers – to be defined

*Important: on the last Friday of the course, please include the return of the keys (student housing)*

← vanaf Utrecht Centraal, 3511 CB Utrecht  
naar BOOT - Ingenieurs met een verhaal, Plesm...

- 12:34 ○ Utrecht Centraal  
3511 CB Utrecht
- 12:34 ○ Utrecht Centraal
  - 🚆 Intercity 3241 Arnhem Centraal
  - ✓ 18 min. (non-stop) · Perron 19
- 12:52 ○ Veenendaal-De Klomp
  - 🚶 Lopen
  - ✓ Ongeveer 7 min.
- 13:08 ○ De Klomp, Stat. V'daal-de Klomp (Z...
  - 🚆 350 Utrecht CS
  - ✓ 2 min. (2 haltes)
- 13:10 ○ Veenendaal, Stationsstraat
  - 🚶 Lopen
  - ✓ Ongeveer 11 min., 850 m
- 13:21 ○ BOOT - Ingenieurs met een verhaal  
Plesmanstraat 2-5, 3905 KZ Veenendaal



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