

## Factsheet

# 2<sup>nd</sup> Meeting of the European Lightweighting Network 23<sup>rd</sup>-24<sup>th</sup> of September 2021, Vienna

## About

Succeeding the first meeting of the European Lightweighting Network in Germany in 2020, the Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology aims to initiate further working steps by hosting a two-day follow-up conference 23rd-24th of September 2021, which will take place on-site in Vienna with a selected group of invited participants.

However, the program on Sept. 23rd will be also live-streamed. To join the live-stream, register at <https://european-lightweighting-network.onevents.at/register>

## Key information

<u>Event Location:</u>	Grand Hotel Wien, Kärntner Ring 9, A-1010 Vienna, Austria
<u>Participation fee:</u>	For free
<u>Accommodation:</u>	Self-organised by participants (see recommendations below)

## The conference

**Day 1:** Join our live-stream on Sep. 23 via the event website:

<https://mobilitaetderzukunft.at/en/articles/european-lightweighting-network.php>

The participants will examine the potential of lightweight design from different angles with key notes, panel discussions and in open discussions. The goal is to analyze the strengths and weaknesses of different technology options and to investigate the opportunities for environmental benefits and the competitiveness of the European economy. ELN Participants have the possibility to promote their national activities in form of posters or roll-ups. Please notify your interest to [walter.mauritsch@energyagency.at](mailto:walter.mauritsch@energyagency.at) as well as [constanze.kiener@bmk.gv.at](mailto:constanze.kiener@bmk.gv.at).

A get-together event in the evening will allow to continue und deepen the initiated discussions.

**Day 2:** The second day focuses on ideas to promote lightweighting and strengthen co-operation between the different stakeholders. The aim is to define the most promising activities and activity leaders responsible to bring these efforts forward until the next European Lightweighting Network meeting. Conceptually, the second part of the workshop is based on the World Café concept, in which the participants discuss ideas, options and experiences with regard to predefined questions and moderators take notes of the discussion results. In at least three successive discussion rounds of 25-30 minutes each, we will discuss these questions in two parallel sessions. Recommendations and proposed solutions are noted. After each round, the participants reshuffle, the moderator remains in the session and welcomes the participants to the next World Café round.

Group A consists of representatives of governments and funding institutions and will analyze opportunities for joint European R&D-funding and the instruments needed to implement this endeavour. Group B brings together representatives from research, industry and networks and will discuss technology options for the successful development of technologies for weight and resource reduction and which support the industry and research institution need from public authorities.

After the break, both groups present their discussion results and activity proposals discussing them with the other group. In this final discussion, we select the ideas best suited for implementation. The goal is the definition of concrete actions and the establishment of a network for their implementation. Ideally, one or more parties are volunteering to act as a champion to co-ordinate follow-up activities. The organiser of the follow-up European Lightweighting Network meeting is presenting the motivation for serving as host for the next European Lightweighting Network meeting. This country and Austria will monitor progress and first results.

## **Background information**

### **What is at stake?**

Our society is determined by an increasing demand for resources. This leads to an excessive consumption of the natural resources energy and materials. Lightweighting materials, lean production and lightweight design is a promising strategy to reduce both, the demand for energy and resources.

Lightweighting can contribute essentially to the European Green Deal striving for a climate neutral economy by 2050. As a cross-sectoral technology, lightweight design is a building block of many innovations in the fields of circular economy, transport or buildings and as such indispensable for achieving ambitious climate goals.

Lightweighting technologies and their deployment are a keystone for industrial competitiveness of European enterprises, engineering companies and research institutions in the ongoing fierce global competition. Less energy and material demand reduces not only the dependence on resources, but as well, the production costs.

### **What is our objective?**

Finding solutions for the challenges the lightweighting community is facing calls for a holistic and interdisciplinary view at the whole process chain from material science and engineering up to production, appropriate technology application, recycling technologies and financing. This view includes a wide spectrum of advantages and disadvantages of materials and technologies in context of metals, polymers, ceramics and composites.

The overall objective of the European Lightweighting Network meetings is to develop such a common view on the European lightweight potential and the framework requirements to exploit it for serving best the Green Deal Goals. Thus, we need a broad range of minds from industry, research and governments willing to develop ideas for co-operations and activities on project, network and intergovernmental level making the lightweighting potential better tangible for stakeholders, the overall economy and European citizens.

## Covid-19 Disclaimer

**Safety for all participants** is our **priority number 1** in the ongoing **COVID-19-pandemia**. Therefore every on-site participant is required to present a **valid negative PCR-certificate regardless of any additional proof of vaccination or recovery after a COVID-19 infection**. Please note that PCR-tests in Vienna are only valid for **48 hours after taking the sample**. If available, please also take your **vaccination** or **COVID-19 recovery certificate** with you, as we will accept these for **entry on the 2nd day** of the network meeting.

Participants who are neither vaccinated nor recovered require a **valid PCR test also on the 2<sup>nd</sup> day**. Arriving in Vienna already on **Sep. 22 before noon** will give you the opportunity of a test free of charge by the local sanitary facilities. If the sample is taken **after 8:30 on Sep. 22** this provides you with a test result **valid for both conference days** within the 48-hours requirement. As the test result normally is available within 24 hours you can use the local sanitary facilities otherwise free of charge for a test certificate **specifically for the second day** as long as the sample is taken **before Sep. 23 at 8:30** and that you can provide **independently a valid PCR-certificate for the first day** at the start of the conference on Sep. 23 at noon. If both options are not feasible for you there are special services in Vienna for **high speed PCR-tests within 2 hours at a price of 89,- Euro**. This gives you the opportunity for a **test result valid on both days** taking a sample on **Sep. 23 in the morning**.

If you have any questions about the COVID-19 security measures or testing facilities in Vienna, please do not hesitate to contact us using both following addresses: [magdalena.weichselbraun@bmk.gv.at](mailto:magdalena.weichselbraun@bmk.gv.at); [Constanze.kiener@bmk.gv.at](mailto:Constanze.kiener@bmk.gv.at). Additional in-detail-information from municipal authorities in Vienna is available as well at:

[Testing options and to-dos in the event of an infection - VIENNA – Now. Forever \(wien.info\)](#)

[Questions and answers regarding coronavirus and the COVID-19 disease - Stadt Wien](#)

## Agenda Draft

Day 1 Thursday 23 <sup>rd</sup> September 2021	Lightweighting and its contributions to the European Green Deal 12:00 – 16:30: Keynotes and Discussion 19:00: Dinner invitation by the Austrian Host
10:00 – 12:00	Reception
12:00 – 12:15	Opening remarks <ul style="list-style-type: none"><li>• Andreas Dorda – Deputy Head of Department Mobility and Transport Technologies, Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK)</li><li>• Michael Wiesmüller - Head of Department Key enabling Technologies for Industrial Innovation: ICT, Manufacturing and Nanotechnologies, Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK)</li><li>• Moderation: Andreas Dorda/Alexander Pogány (BMK)</li></ul>
12:15 – 14:00	<u>Session 1</u> : <i>Technological state of the art, technology foresight, SWOT-analysis of technology options and their Green Deal contribution</i> <ul style="list-style-type: none"><li>• Keynote 1: Clemens Dransfeld (TU Delft, Aerospace Manufacturing, NL)</li><li>• Keynote 2: Thilo Bein (Frauenhofer Institut, DE)</li></ul>

	<ul style="list-style-type: none"> <li>• Panel discussion with key note speakers and additional panellists: <ul style="list-style-type: none"> <li>○ Mariel Díaz (TRIDITIVE, Additive Manufacturing Technologies, ES)</li> <li>○ Salim Belouettar (Luxembourg Institute of Science and Technology, LU)</li> <li>○ Christian Chimani (AIT, AT)</li> <li>○ Lothar Kroll (Inst. für Strukturleichtbau Chemnitz, DE)</li> </ul> </li> <li>• Open Discussion with panellists</li> </ul> <p>Moderator: Andreas Dorda</p>
14:00 – 15:00	Coffee Break
15:00 – 16:30	<p><i>Session 2: Importance of lightweighting technologies for the European economy. Opportunities and challenges of a European Lightweighting Initiative and the instruments needed for their implementation.</i></p> <ul style="list-style-type: none"> <li>• Keynote 1: Anna Kleissner (ECONOMICA, AT)</li> <li>• Keynote 2: Peter Åslund (VINNOVA, SE)</li> <li>• Panel discussion with key note speaker and additional panellists: <ul style="list-style-type: none"> <li>○ Soren Bowadt (European Commission)</li> <li>○ Werner Loscheider (BMW, DE)</li> <li>○ Boel Wadman (RISE Research Institutes of Sweden, SE)</li> <li>○ Bert Pluymers (KU Leuven, Mecha(tro)nics System Dynamics, BE)</li> </ul> </li> <li>• Open Discussion with panellists</li> </ul> <p>Moderator: Alexander Pogány</p>
16:30	Closing remarks – Andreas Dorda
19:00	Joint Networking Dinner

Day 2 Friday 24 <sup>th</sup> September 2021	08:30 – 14:00 Workshop on maximising the lightweighting contribution to the Green Deal with representatives of industry, research institutions, engineering service providers, SMEs, ministries, funding institutions, European Commission
7:30 – 8:30	Reception
08:30 – 09:00	Workshop setting and objectives <ul style="list-style-type: none"> <li>• Walter Mauritsch – Austrian Energy Agency (AEA)</li> </ul>
09:00 – 11:30	Workshop moderated by Austrian Institute of Technology (AIT), Austrian Advanced Lightweight Technology (A2LT), Austrian Association for Advanced Propulsion Systems (A3PS), Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK) <ul style="list-style-type: none"> <li>• World Cafe Setting 3-4 rounds à 30'</li> <li>• Reflexion and securing results</li> </ul>
11:30 – 12:30	Coffee Break/finger food
12:30 – 13:50	Presentation of World Cafe findings Discussion on findings (ALL)
13:50	Wrap up of results and closing remarks – Andreas Dorda

## Recommendations for accommodation:

The event location itself, the upscale hotel Grand Hotel Wien has a special offer for the conference participants. If you choose to stay in the location, make sure to mention the name and date of the conference and send a copy to [walter.mauritsch@energyagency.at](mailto:walter.mauritsch@energyagency.at)

**Grand Hotel Wien**, Kärntner Ring 9, A-1010 Vienna, Austria

T: +431515801836

@: [reservation@grandhotelwien.com](mailto:reservation@grandhotelwien.com)

Link: [https://en.grandhotelwien.com/stay-with-us/?\\_ga=2.43607712.406717099.1627632994-66671640.1624000563](https://en.grandhotelwien.com/stay-with-us/?_ga=2.43607712.406717099.1627632994-66671640.1624000563)

Price: superior room 150 €/night (until 15. September)

As a second option in the city center, we recommend the **Motel One Vienna-Staatsoper**,  
Elisabethstraße 5, 1010 Vienna, Austria

T: +43 1 5850505

@: [wien-staatsoper@motel-one.com](mailto:wien-staatsoper@motel-one.com)

Link: <https://www.motel-one.com/en/hotels/vienna/hotel-vienna-staatsoper/>

Price indication: 90 € per night

## **Journey to Vienna:**

As a hub of the European (Night) Train Network, Vienna can be reached conveniently by rail from an abundance of European cities.

[Destinations - Nightjet](#)

## **Contact:**

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