Strategic Outlook

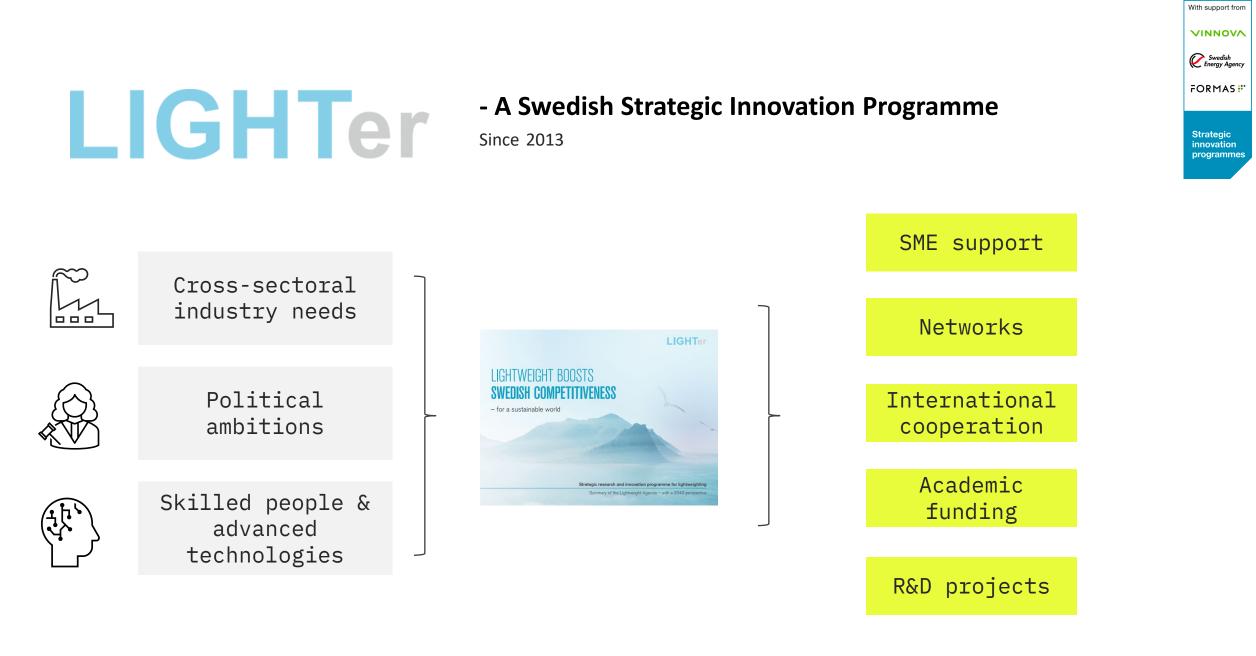
The European Lightweighting Network and Lightweighting as an enabler for the European Green Deal.

Cecilia Ramberg Director of LIGHTer Sweden



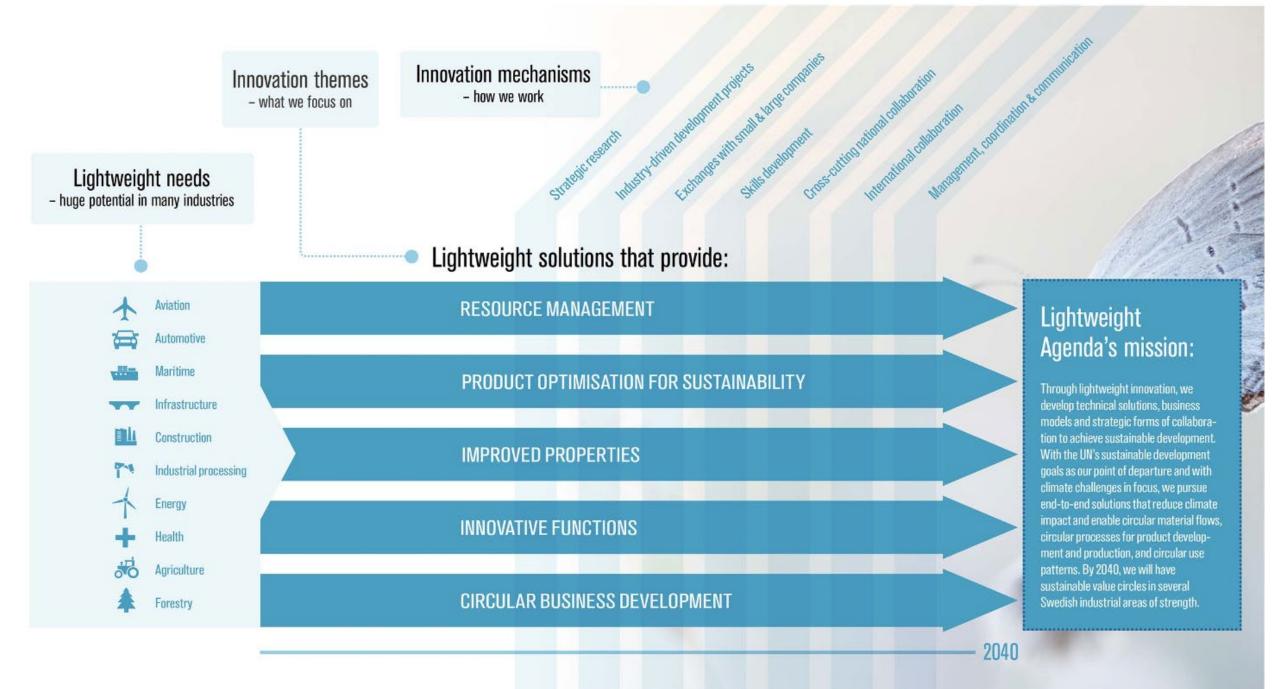
Thursday June 8







Hosted by RISE



Parallel national activities

GERMANY

Leichtbau BW

AUSTRIA

Austrian Advanced Lightweight Technology

ONE EUROPEAN NETWORK Work together for a European Lightweighting Network (ELN) on a European political and strategic level



European Lightweighting Network (ELN)



5 European Lightweighting Network

WHY A EUROPEAN LIGHTWEIGHTING NETWORK?

Meeting global sustainability goals





ELN Members

CURRENT MEMBERS

Germany, Austria, Sweden, Spain, Belgium & Luxemburg

PARTICIPANTS AT ELN

Switzerland, Poland, Netherlands & Slovakia

WHO CAN JOIN?

- Representatives from nationally relevant lightweight actors
- Government representatives

ENGAGEMENT

- Be active in the working group
- Participate in ELN 4 in Belgium
 2024



With the 3rd ELN Conference we hope to expand our network, and find a common path towards a European Lightweight Strategy

Why is lightweight an enabler to reach global sustainability goals?



Environmental scan for LIGHTer

- Visualise trends
- Understand tendencies
- Describe emerging processes
- Prioritizations and decisions
- Discuss challenges and opportunities





Methods

- Research and readings
- Interviews
- Workshops and conferences
- Surveys
- Analyses



Lightweight contributes to the UN Sustainability Goals

















1 SUSTAINABLE CITIES AND COMMUNITIES



2 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION



Use cases of lightweight enablers for the European Green Deal



Lightweight enables sustainable road mobility



Structural batteries



Recycled cars



Lightweight enables sustainable maritime mobility

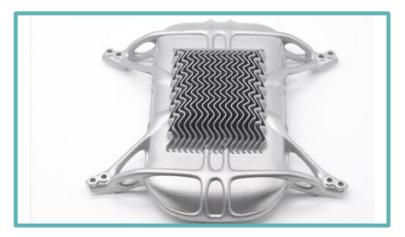




Lightweight enables sustainable air mobility



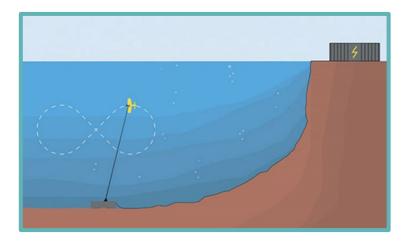
Fossil-free aviation



Ultra-light drones



Lightweight enables renewable energy production



Ocean energy potential



Wind turbines



Lightweight enables space exploration







Economic benefits of lightweight

- Important to many industrial sectors in Europe – directly and indirectly
- Jobs and added value can be attributed to lightweight construction in i.e Austria
- More about this with Dr. Anna Kleissner



European lightweight initiatives

European Networks



European Lightweight Association



STRATEGIC & POLITICAL NETWORK

EUROPEAN LIGHTWEIGHTING NETWORK



OTHER INITIATIVES

Advanced Materials Initiative 2030

 A European initiative to reach sustainable development through the use of advanced materials

 ELN and AMI 2030 are cooperating to show how we can develop sustainable materials and develop lighter products using advanced materials



Become an active member!

- Documentation from Stockholm in domestic discussions
- Create a national ELN contact point to join the ELN working group
- Participation at the 4th ELN Conference in Belgium 2024



ELN working group



Andreas Dorda Austria



Alexander Pogány Austria



Walter Mauritsch Austria



Carine Petit Belgium



Florian Loose Germany



Werner Loscheider Germany



Amaya Igartua Spain



Boel Wadman Sweden



Cecilia Ramberg Sweden



Thank you

Cecilia Ramberg Director of LIGHTer Sweden Thursday June 8

