

L. Jerpdal

WIRA SuPRA

SuPRA – Sustainable Polymer Research Arena

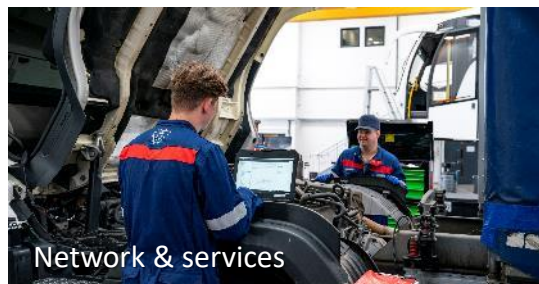
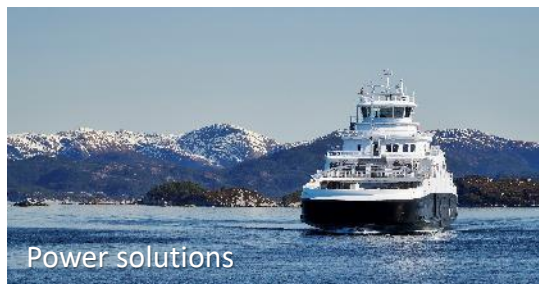
An arena for polymeric materials and processing

Within the arena we aim to:

- **Interact** with researchers to communicate industry needs.
- **Inspire** and support researches to do research that fulfill industry needs
- **Provide** the opportunity for researchers to test research in an industrial relevant environment.
- **Enable** increased uptake of research results for implementation in products.



Scania product portfolio



TRATON
GROUP
OWNED BY VOLKSWAGEN GROUP

 **SCANIA**  **MAN**

 **Caminhões**
Ônibus  **NAVISTAR**

Husqvarna product portfolio



Watering



GARDENA battery-powered
Hose Box



HSC – High Station
Water Count Controller



Robotic
mowers



Additional wire-free
Automower NERA models
for smaller gardens



Husqvarna Automower for
smaller commercial lawns



Battery
solutions



Fully electric compactor



First fully electric
garden tractor



Professional
solutions



Expanded DXR range
- new compact model



Battery-driven lift for
tree professionals

Product Categories developed in Hillerstorp

Sports & Cargo



Juvenile & Pet



Packs, Bags & Luggage



Different companies but with many similarities

Scania, Husqvarna and Thule are all three companies with

- Strong brands
- Leading market position
- Global presence
- Demanding customers
- Long company history
- People with passion for innovation



Partners



Plastics

Advantages



Versatile



Low density



Low cost

Disadvantages



Fossil-based

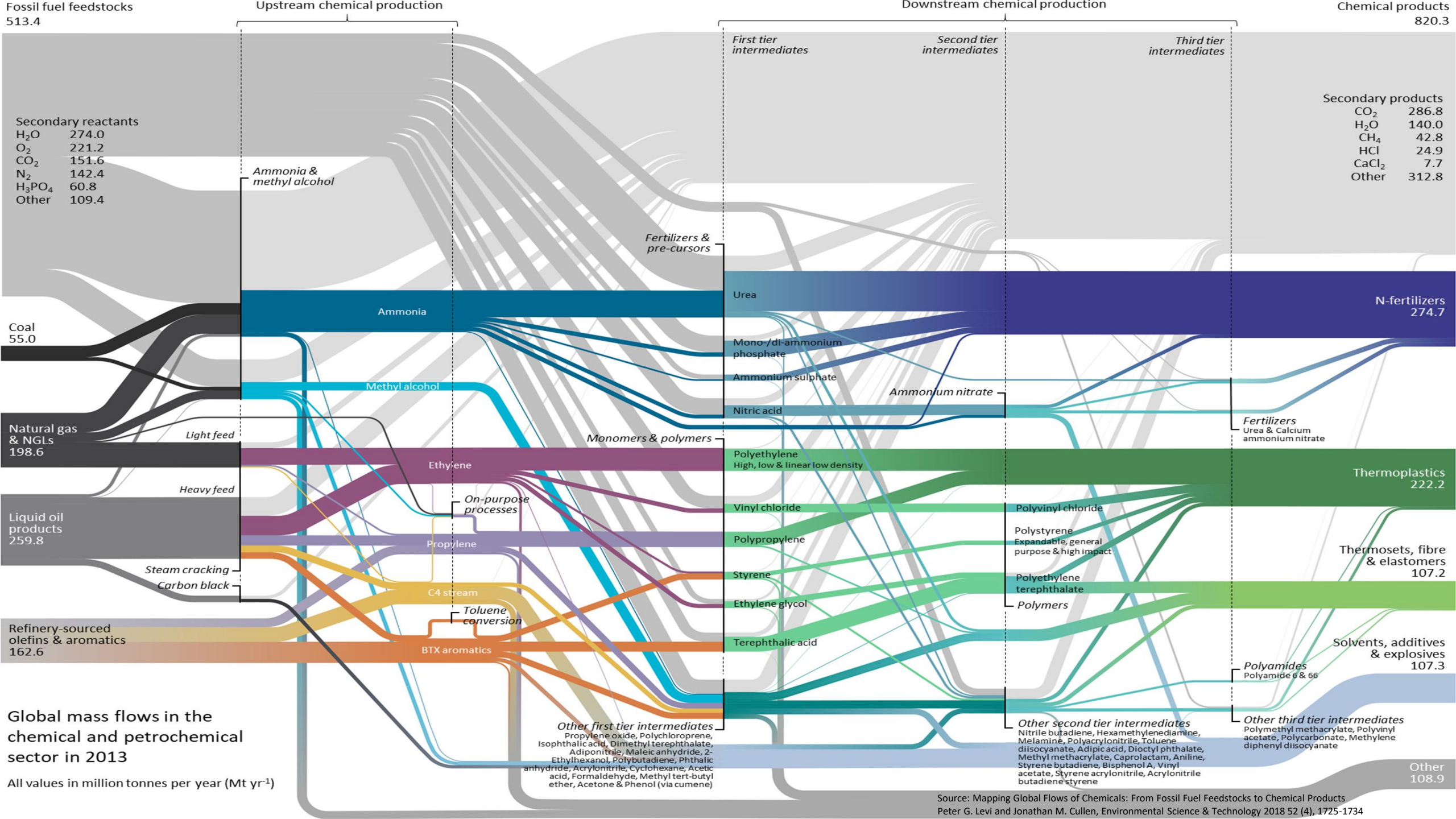


Difficulties in disposal



Hazardous substances

There is a need for research to make plastics more sustainable



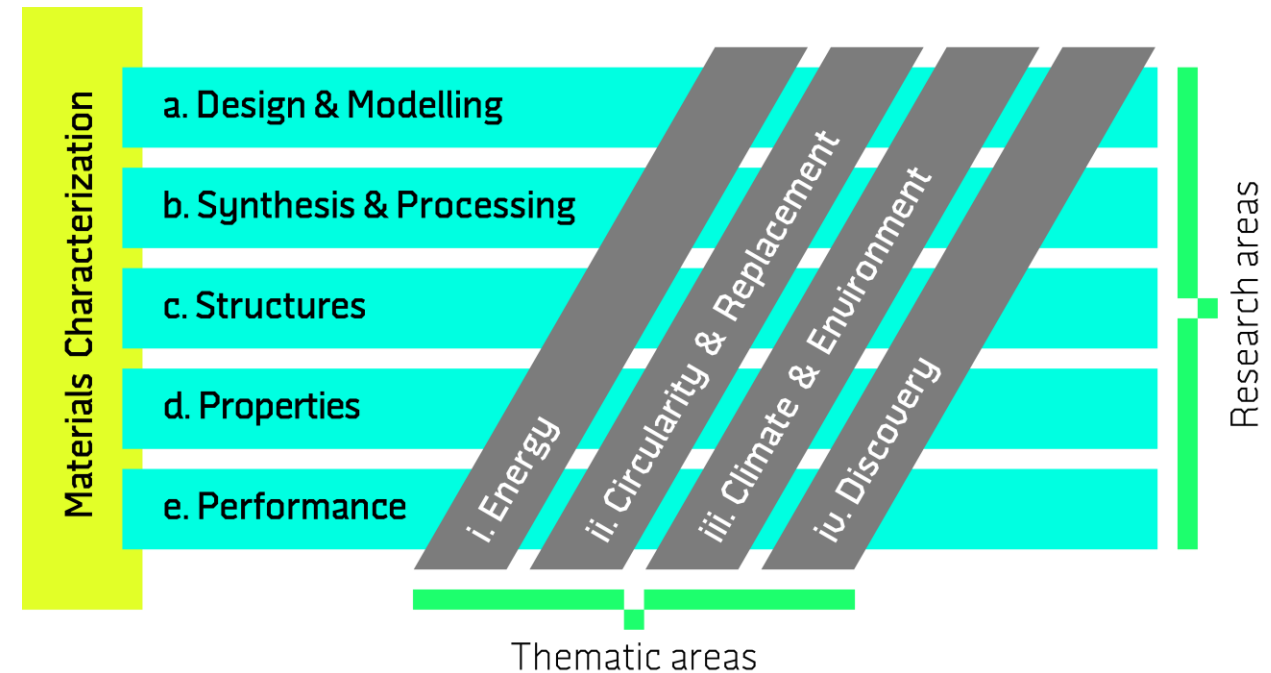
Focus areas in SuPRA

Green house gas emissions

Minimize green house gas emissions during all stages of the life cycle.

Circular economy

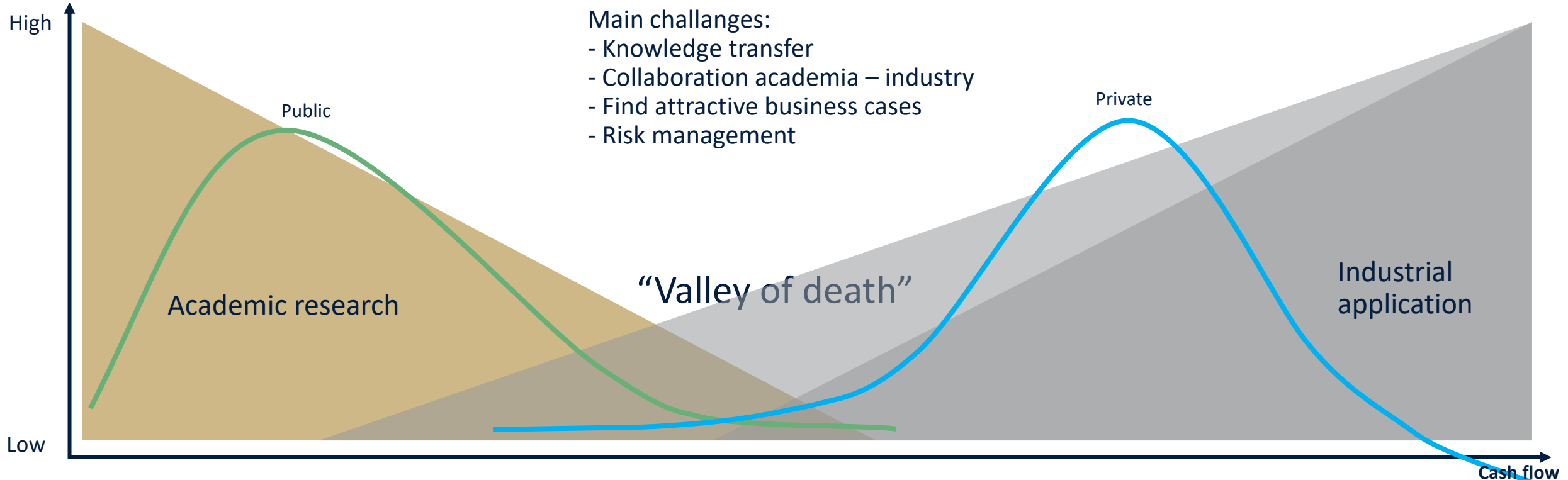
Shift from the traditional linear model of plastic use and disposal to a circular economy, emphasizing resource efficiency, waste reduction, and sustainable practices.



WISE thematic- and research areas

From research to product

Public funding / private investment



Concept

Implementation
From lab to application

Commercialization

Interaction with researchers

Within SuPRA there will be different activities for researchers and other partners.

Cooperation with PIs from all participating universities is already established



Events

Seminars and conferences



PhD courses

Courses with industrial approach for PhD students.



Study visits

Visits at Swedish plastic industry.

Summary

- The research within the WISE program is important for the green transition of the industry.
- SuPRA will promote an exchange and interaction between industry and researchers so that industrial relevant research within the field polymers can be conducted.
- SuPRA will be an arena for researcher to test ideas in an industrial relevant environment to increase the uptake of ideas for further development and implementation in products.

SuPRA

SUSTAINABLE
POLYMER
RESEARCH
ARENA



polymerinstitutet



Husqvarna

THULE



SCANIA