

# 42620 Science, Technology and Society

January 2026

## Tips and tricks Phase 5

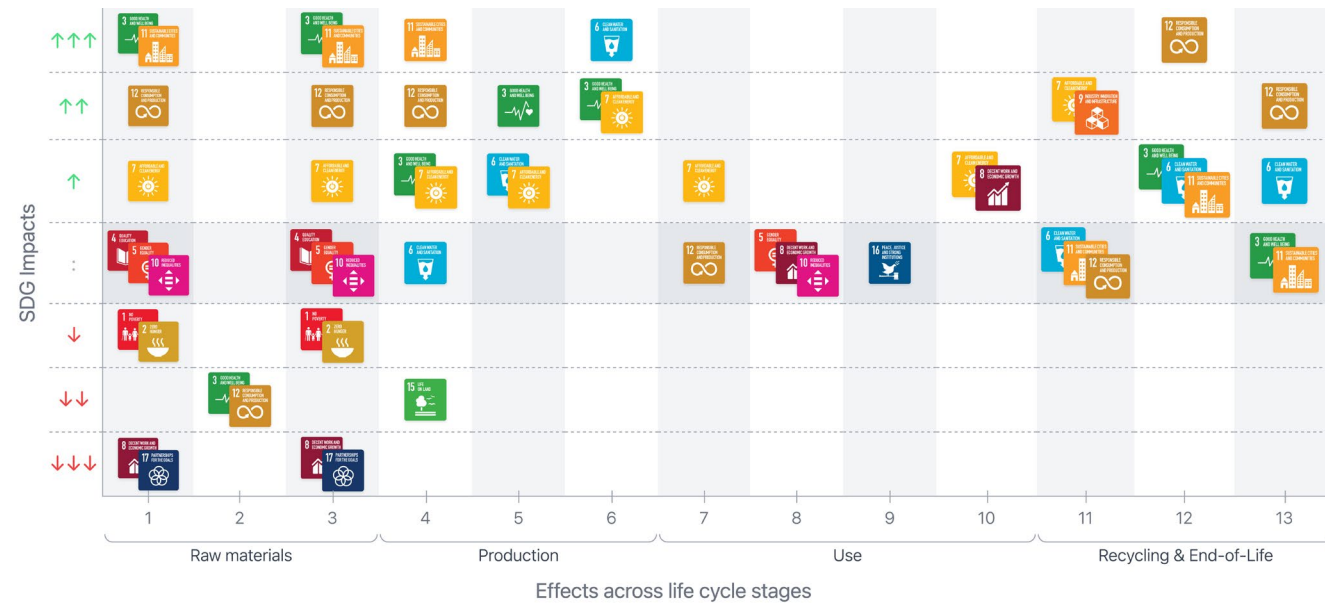
Michael Hauschild

# Questions to Phase 4 ?

## 1. SDG impacts with scoring (effect impacts)



## 2. Visualisation of the results for the report



# Phase 5 – Interpretation of the results

- Describe the three most important positive and three most important negative SDG impacts caused by the change (150-200 words).
- Describe possibilities for improving negative impacts in the system's life cycle and discuss possible trade-offs between SDGs (impact on one SDG is improved, but another is made worse) (150-200 words).
- Provide **specific** recommendations for case-relevant stakeholders (i.e. politicians, companies, users etc.) (150-200 words).



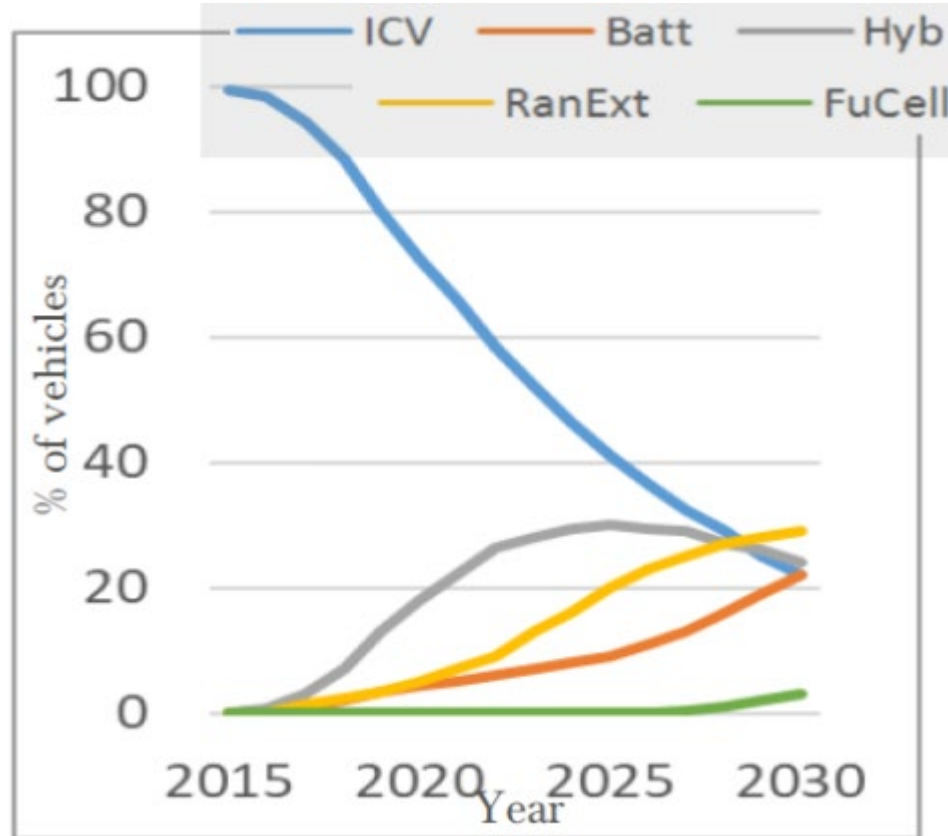
## Phase 5: Interpretation of your results and recommendations

- Which are the **most important** sustainability aspects?
- **Which SDGs** are impacted by the project? In **which life cycle stages** do they appear? **What causes them**?
- Which **interrelations** do you see **between the SDGs** and do you see consequences **between life cycle stages**?
- **Where** in the life cycle of the system, can you **introduce change** in order to reduce negative impacts or increase positive impacts?
- **Which specific changes** could that be?
- Which **short term** and which **long term recommendations** will you pass on to **which decision makers** around the case?

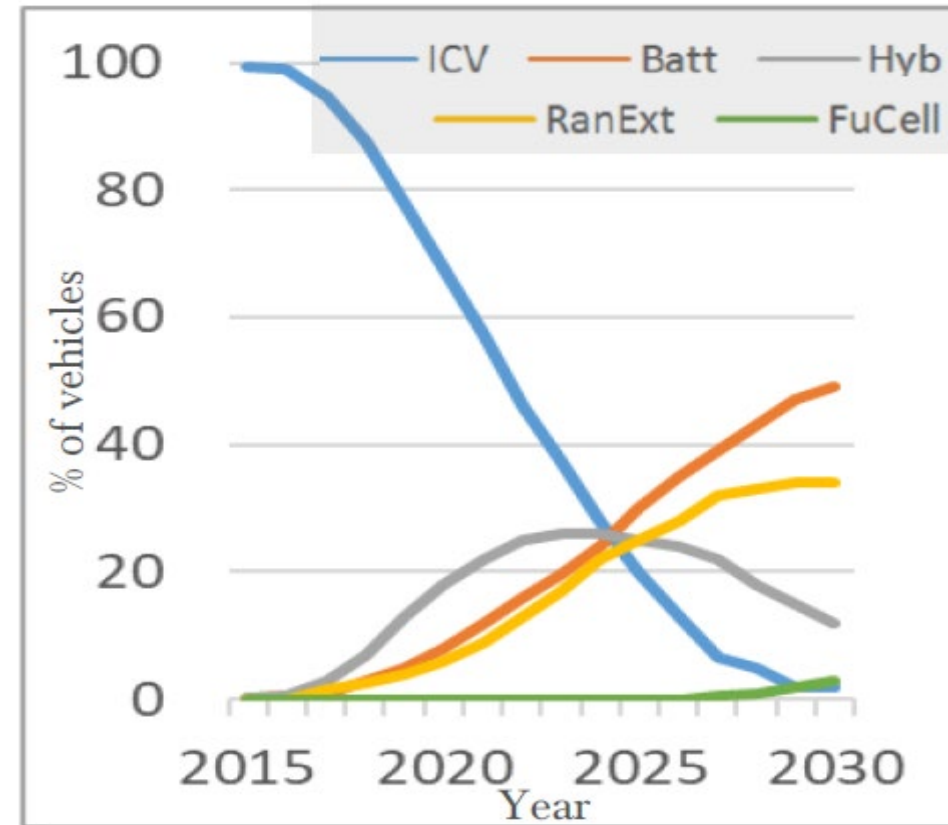
## Example: Technology shift from ICEs to EVs



## Baseline system



## New system



“Decreased extraction of fossil fuels for production of transport fuels for ICEs”

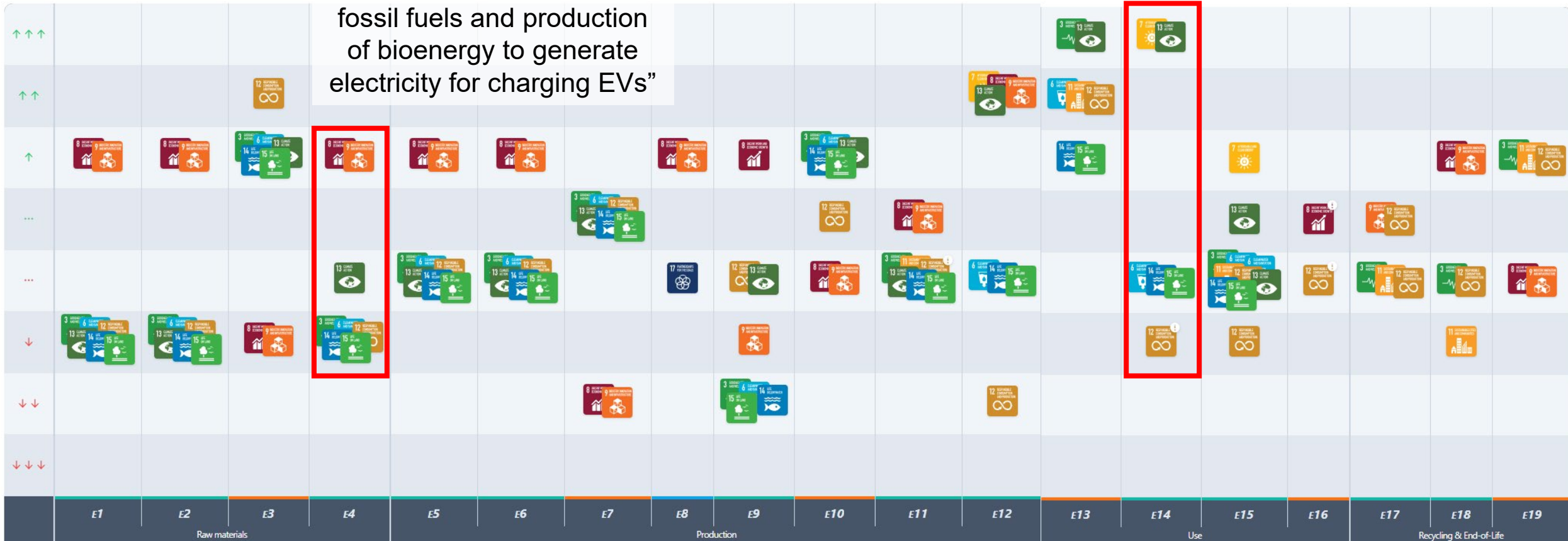
“Decreased consumption of fossil and bioenergy fuels in ICEs”



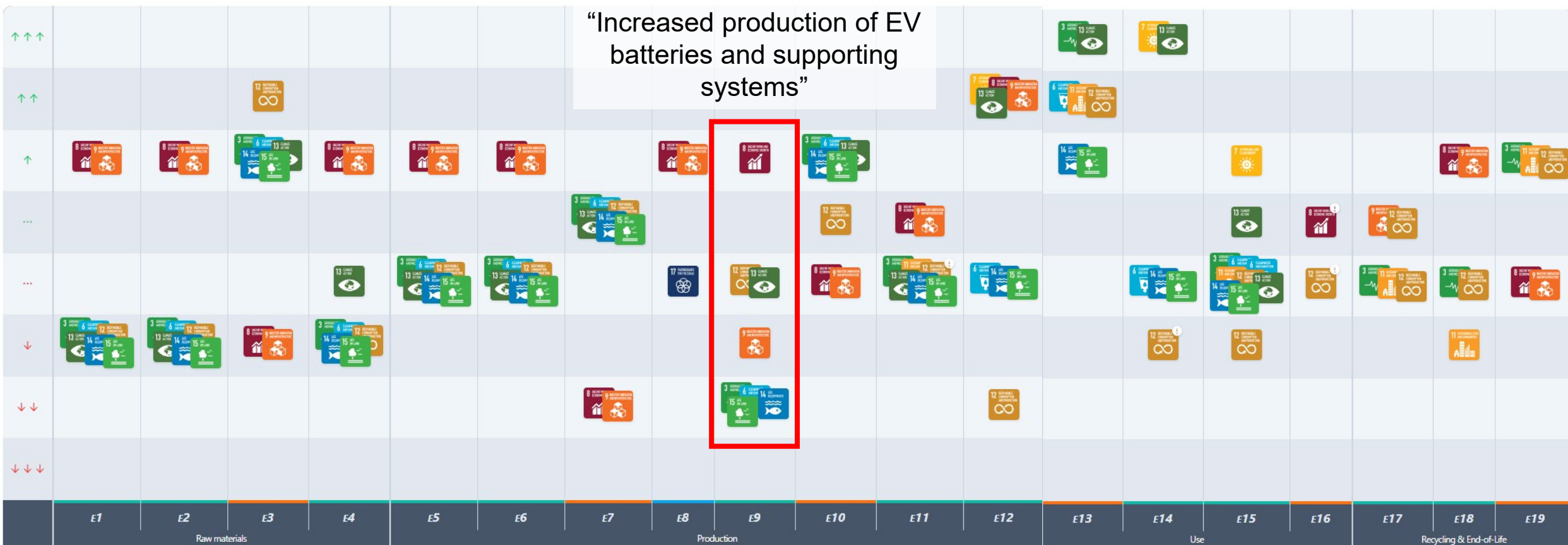


“Increased electricity consumption in EVs”

“Increased extraction of fossil fuels and production of bioenergy to generate electricity for charging EVs”

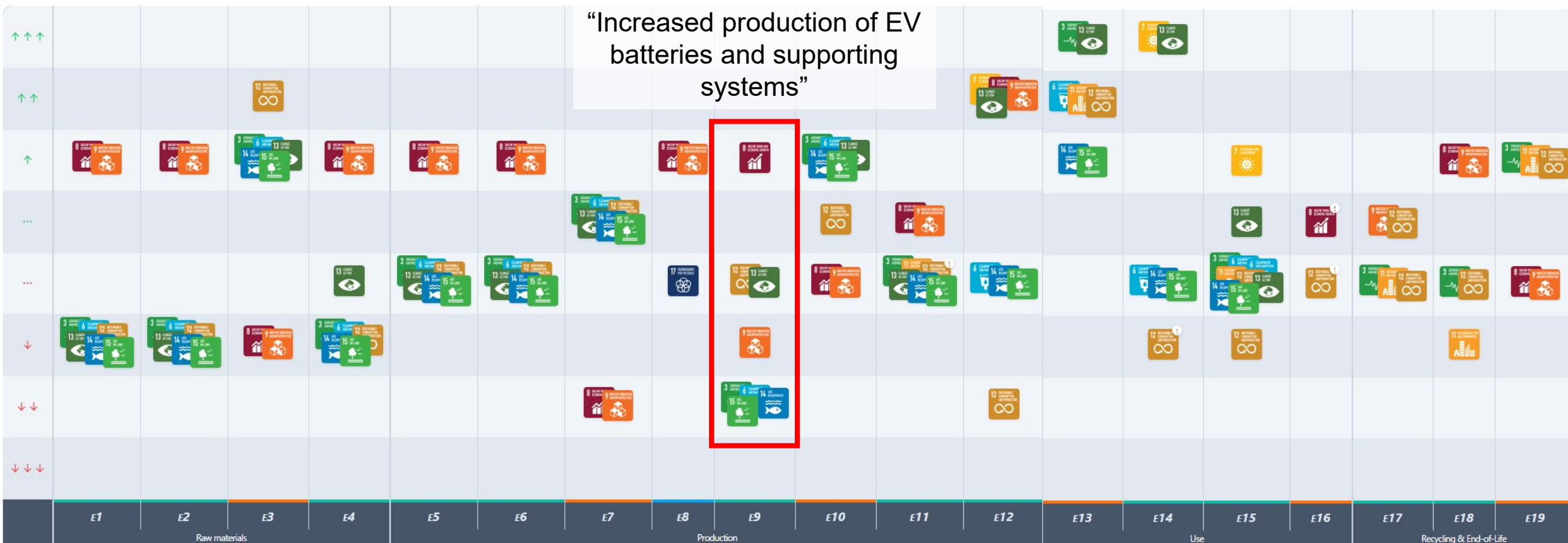






“Increased extraction of rare earth elements needed for production of electric drive motors of EVs”





“Increased waste management of EV batteries”



## Phase 5: Recommendation to improve the new system

*Box 7: Provide recommendations for case-relevant stakeholders (i.e. politicians, companies, users etc.) (150-200 words).*

# Phase 5: Key stakeholders inspiration



ENERGY ISLANDS  
The Issue Atlas

Case material for  
sociotechnical controversies

June 2025

## A Selection of Key Actors

This section provides an overview of stakeholders that have played a role in shaping the Energy Island controversy. They have been chosen by researchers who are experts on the Energy Island debate. Some actors are prominently represented in the dataset with many public statements on the energy islands. Others have been qualitatively chosen for their importance even though they do not make many public statements about Energy Islands. It is not an exhaustive list.

 <p><b>Hanne Storm Edlefsen</b> Director for mega projects, Energinet (2022- June 2025)</p> <p><small>Image source: Energinet</small></p>	 <p><b>Dan Jørgensen</b> Minister of Climate, Energy and Utilities (2019-2022). Commissioner in the EU Commission for energy and housing since 2024</p> <p><small>Image source: Folketinget / Steen Enggaard</small></p>
 <p><b>Nicolaos A. Cutululis</b> Professor at DTU Wind &amp; Energy Systems and Chairman of Energy Island Forum</p> <p><small>Image source: Nicolaos Cutululis</small></p>	 <p><b>Jakob Baruel Poulsen</b> Managing Partner, Copenhagen Infrastructure Partners</p> <p><small>Image source: Pricewaterhouse</small></p>
 <p><b>Mette Skøt</b> Director for Strategic Partnerships, Bornholm Energy Og Forsyning</p> <p><small>Image source: DTU</small></p>	 <p><b>Jacob Østergaard</b> Professor at DTU Wind &amp; Energy Systems</p> <p><small>Image source: DTU Wind</small></p>
 <p><b>Kåre Møller Madsen</b> Special advisor, Danish Energy Agency</p> <p><small>Image source: Uniradix</small></p>	 <p><b>Frederik Læssøe Nielsen</b> Senior economist in Kraka Economics</p> <p><small>Image source: Ingeniøren</small></p>
 <p><b>Peter Haag</b> Chairman of Bornholms Havvind</p> <p><small>Image source: TNO Bornholm</small></p>	 <p><b>Søren Møller Christensen</b> CEO of Baltic Energy Island</p> <p><small>Image source: Morningstar</small></p>
	 <p><b>Tore Lucht</b> Business Unit Manager, SWECO in charge of advising the Danish Energy Agency on Energy Island North Sea (2020-2024)</p> <p><small>Image source: LinkedIn</small></p>
	 <p><b>Lars Aagaard</b> Minister of climate, energy and utilities since 2022</p> <p><small>Image source: Altinget / Mads Claus Rasmussen</small></p>
	 <p><b>Jacob Trøst</b> Mayor of Bornholm Municipality since 2022</p> <p><small>Image source: Bornholm</small></p>



## Phase 5: Think of it as an elevator pitch





# Questions?