



# Competence and highlights of European network in battery sector

Dr. Pertti Kauranen

BATCircle Final Seminar 11.3.2021



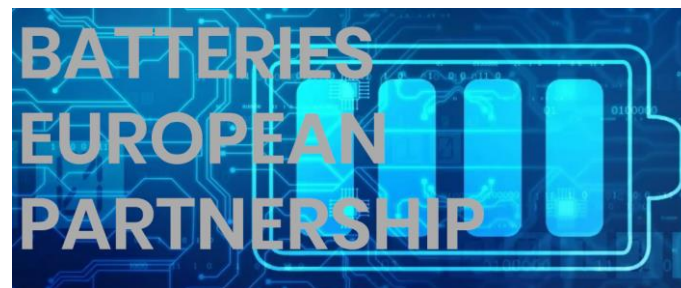
# European Networks



Industry

Short to medium term R&I

Long term R&I

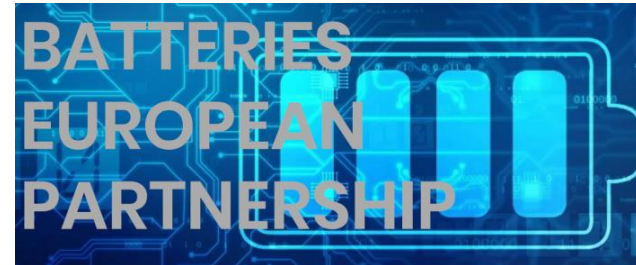




# Batteries Europe (2019-2020, 2021)

Thematic Working Groups	WG1 New & Emerging Battery Technologies	WG2 Raw Materials and Recycling	WG3 Advanced Materials	WG 4 Manufacturing and Cell Design	WG5 Application and Integration-Mobile	WG6 Application and Integration-Stationary
Chair	 Kristina Edström Uppsala University	 Ilkka Kojo Outotec Mari Lundström	 Fabrice Stassin Umicore	 Oscar M. Crespo CIDETEC	 Simon Perraud CEA	 Luigi Lanuzza ENEL
Sherpa	 Ivana Hasa, KIT	 Mari Lundström, Pertti Kauranen	 Marcel Meeus, EMIRI	 Arno Kwade, TU Braunschweig	 Lucie Beaumel EGVIA	 Rachele Nocera, ENEA
Co Chair	 Stefano Passerini Helmholtz Institute	 Olli Salmi EIT Raw Materials	 Sylvia Bodoardo University di Torino EERA ES	 Carlo Novarese, FAAM/Lithops	 Franz Geyer BMW	 Javier Olarte CIC Energigune
Co-Chair	 Philippe Stevens EDF	 Alain Vassart EBRA	 Daniel Gloesener, Solvay	 Michael Krausa KLIB	 Josef Affenzeller AVL	 Jesus Varela Sanz Iberdrola
	Research	Industry				

# European Networks



- A Think Thank
- Strategic Research Agenda
- R&I Roadmaps
- Ideas for funding calls
- Covers the whole value chain

- Public Private Partnership
- Strategic R&I Agenda
- Negotiation and management of the funding calls with the Commission
- Focus on advanced materials and cell manufacturing

- Funding calls
- R&I Projects
- Cluster 5: Climate, Energy, Mobility

# Batteries Europe WG2 – Way of Working



- Two workshops in 2019 (Espoo, Milan)
- Monthly teleconferences
- 100+ participants
- 8 Subgroups for writing the 1<sup>st</sup> Roadmap



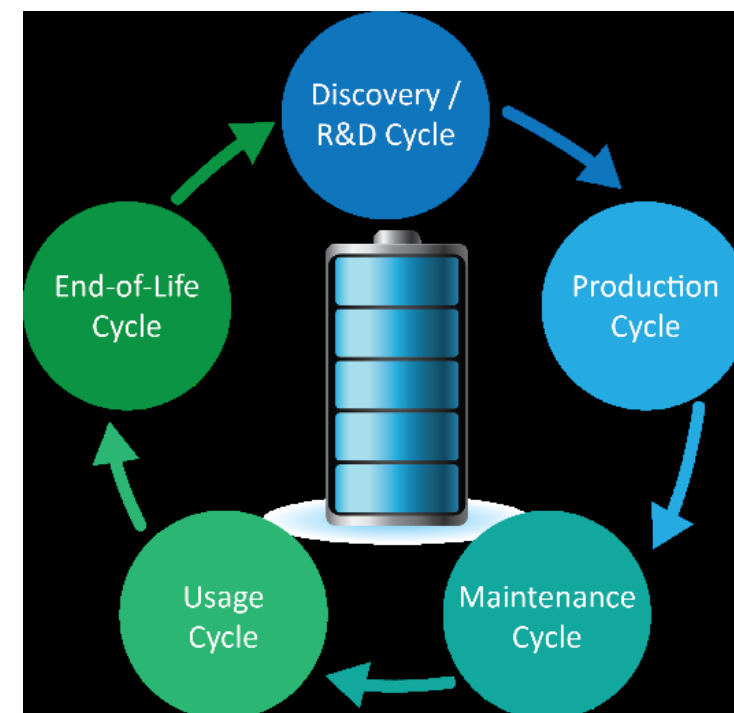
**BATTERIES**  
EUROPE

European Technology and Innovation Platform



# Batteries Europe WG2 – Results

- Suggested R&I Topics, Spring 2020: [https://ec.europa.eu/energy/sites/default/files/batterieseurope\\_research\\_and\\_innovation\\_priorities\\_detailed\\_summary.pdf](https://ec.europa.eu/energy/sites/default/files/batterieseurope_research_and_innovation_priorities_detailed_summary.pdf)
- Strategic Research Agenda (SRA): [https://ec.europa.eu/energy/topics/technology-and-innovation/batteries-europe/news-articles-and-publications/sra\\_en](https://ec.europa.eu/energy/topics/technology-and-innovation/batteries-europe/news-articles-and-publications/sra_en)
- WG2 Roadmap: [Batteries Europe Raw Materials and Recycling Roadmap | Energy \(europa.eu\)](#)



# Batteries European Partnership Association (BEPA)



- Strong interest of Finnish industries
- **Governing Board:** Jani Kiuru (FMG) Raw Materials
- **Association Delegation:**
  - Tuomas van der Meer (Metso Outotec) Raw Materials
  - Daria Hedberg (Geyser Batteries) Battery Manufacturing
  - Tero Holländer (Fortum) Recycling

