

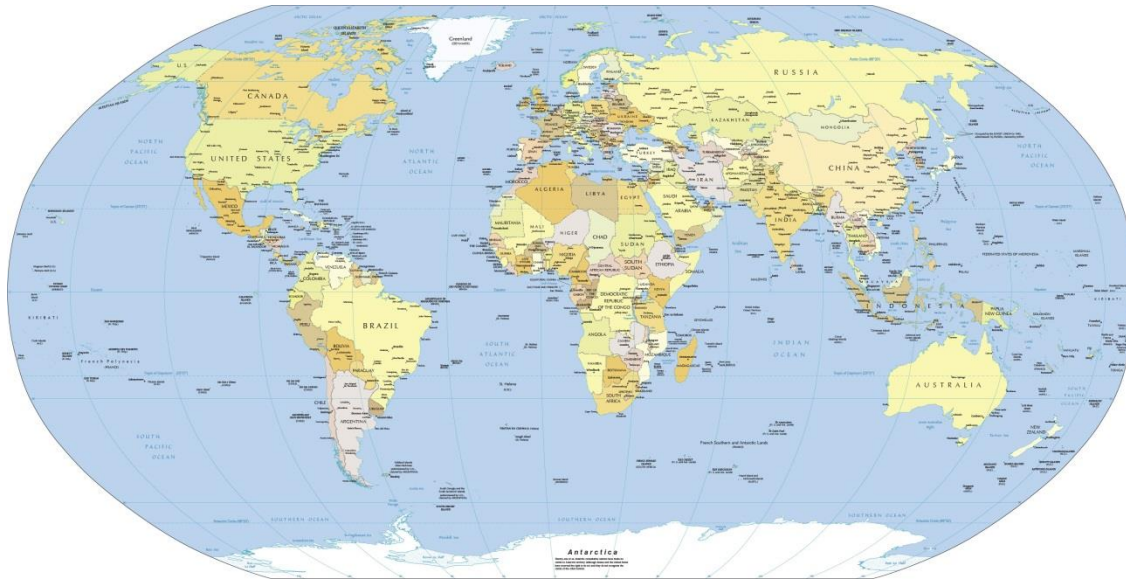
# Gery Bonduelle

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EMEA, Enersys*

Brussels, 9 June 2017



# International competition in the battery sector



INNOVATION AND INTELLECTUAL PROPERTY | Mon May 22, 2017 | 10:53am EDT

Germany must invest to keep up in electric cars: Merkel



## 2. Legislative updates

### a – EUROBAT Battery Strategy

**CLEAN ENERGY  
 PACKAGE (ENER)**

**MOBILITY PACKAGE  
 (MOVE)**

**SET PLAN (RTD)**

**SUSTAINABILITY:  
 ELV/REACH/  
 BATTERIES  
 DIRECTIVE (ENV)**

**COMMUNICATION  
 ON INNOVATION**

**INDUSTRY-LED  
 INITIATIVE ON  
 BATTERY  
 MANUFACTURING**

**ETIP SNET ON  
 SMART ENERGY  
 SYSTEM**

**GEAR 2030 (GROW)**

**PROMOTION OF  
 E-MOBILITY**

**CO2 TARGETS**

**WG 7 ON  
 BATTERIES**

**HORIZON 2020  
 (RTD)**

**NEW RULES ON  
 STORAGE**

**PROMOTION OF  
 E-MOBILITY**

**BATSTORM**

**INDUSTRIAL POLICY  
 (GROW)**

# Towards a 2030 EU Battery Strategy

**#EUBatteryStrategy**

**EUROBAT** 

ASSOCIATION OF EUROPEAN AUTOMOTIVE  
AND INDUSTRIAL BATTERY MANUFACTURERS

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**EUROPE NEEDS A 2030 BATTERY STRATEGY  
TO BOOST COMPETITIVENESS, JOBS AND GROWTH  
AND DECARBONISE ITS ECONOMY**



# Towards a 2030 EU Battery Strategy

## 2030 EU Battery Strategy

- ✓ Keeping and expanding the manufacturing base of all battery technologies in Europe
- ✓ All battery technologies are relevant for jobs and growth
- ✓ Policy coherence (energy – transport – environment) needed
- ✓ Business certainty: stewardship in Battery Directive and REACH regulations
- ✓ Forward-looking strategy to boost competitiveness

**LEAD**



**LITHIUM**



**NICKEL**



**SODIUM**



# Towards a 2030 EU Battery Strategy



## Energy storage

- ✓ Develop coherent legislative framework for battery energy storage under the Clean Energy Package
- ✓ Level playing field for all technologies
- ✓ Recognise storage as a separate asset class
- ✓ Address issue of double grid fees
- ✓ Clarify ownership rights
- ✓ Right to store for all actors
- ✓ Reduce curtailment
- ✓ Promote correct market signals i.e. scarcity prices

# Towards a 2030 EU Battery Strategy

## A REVIEW OF BATTERY TECHNOLOGIES FOR AUTOMOTIVE APPLICATIONS

EXECUTIVE SUMMARY



EUROBAT



JAMA

KAMA

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*A joint industry analysis of the technological suitability of different battery technologies for use across various automotive applications in the foreseeable future*



## Automotive sector

- ✓ Forward looking strategy
- ✓ Take into account the contribution of all battery technologies to the decarbonisation of transport
- ✓ Consider the interactions between electricity and transport sectors
- ✓ Increase the efficiency of all ICE vehicles (cars, vans, buses, trucks)
- ✓ Develop an internal market for hybrid and electric vehicles
- ✓ Coherent and ambitious CO2 emissions tests and limits



## Research, Innovation and Development

- ✓ Ensure coherence among different R&D initiatives (SET Plan, Horizon2020, Batstorm, etc.)
- ✓ Support R&D initiatives directed at developing advanced batteries and improved manufacturing potential
- ✓ Focus on initiatives with concrete market potential
- ✓ Take into account the existing landscape of EU battery production base
- ✓ Link with other policy initiatives



# Towards a 2030 EU Battery Strategy



EUROBAT



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JAPAN AUTOMOBILE  
MANUFACTURERS  
ASSOCIATION, INC.



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*A joint industry analysis of EU collection and recycling rates 2010-2012, prepared by information company IHS*

## Sustainability and recycling-aspects

- ✓ Support the circular economy approach of the EU
- ✓ Avoid overlaps of EU legislation that regulate the battery sector (i.e. End-of-Life Vehicles Directive, the REACH Regulation and the Battery Directive)
- ✓ Ensure the minimisation of exposure risks of workers to heavy metals
- ✓ Improve recycling and collection processes of advanced batteries

Thank you for your attention!



G.Bonduelle, Enersys #EurobatForum: *Europe needs a #EUBatteryStrategy to decarbonise its economy and boost jobs and growth*