



*The Advanced Rechargeable & Lithium Batteries Association*



## **3.3. Update of Activities in Europe**

WRBRF 2016 – Seoul, Rep. Of Korea  
Claude Chanson

October 4, 2016



# 1. Agenda

1. Batteries and the European Policy
2. Placing on the market
3. End of Life
4. Transport and Safety



# 1. Four Key Priorities in the European Agenda



1. Climate Change

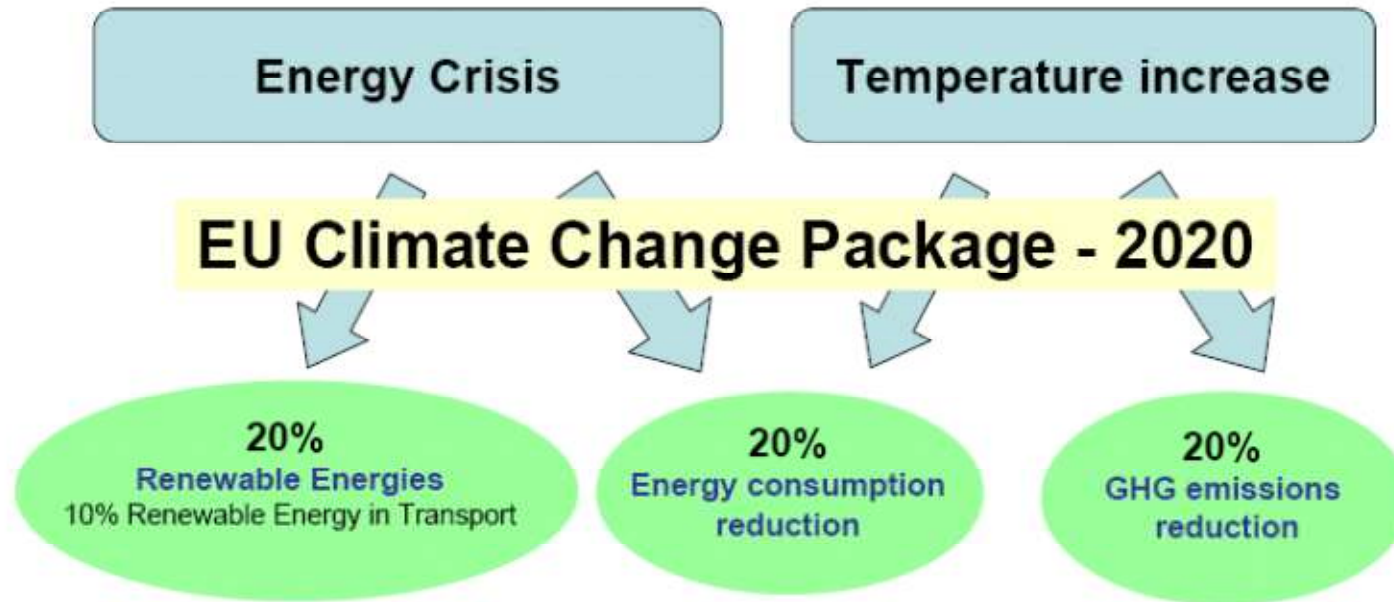
2. Renewable and low carbon Energy

3. Critical Raw Materials

4. Resource Efficiency



# 1. Climate & Energy Goals for 2030



## Impact on cars



- 95 gr CO<sub>2</sub> in 2020
- Use 10% **Renewable fuels** : biofuels, electricity, biogas, hydrogen

ipcc

INTERGOVERNMENTAL PANEL ON climate change

And also, but without specific target except country targets  
\* diversify energy mix and be involved in modal shifts



# 1. Climate & Energy Goals: targets



1. A binding greenhouse gas reduction target
  - Reduction of GHG emissions by **40%** below 1990 level
  - Request that EU Council & Parliament pledge for this 40% during the international negotiations on a new climate agreement due to be concluded in Paris at the end of 2015
2. An EU-wide binding renewable energy target
  - Renewable energy target of **27%**
3. Energy Efficiency
  - Details in the review of the Energy Efficiency Directive due to be concluded later in 2014.
4. Competitive, affordable & secure energy – alignment accross Members States



# 1. Climate change : the COP 21 & Energy Goals

Consequences of the success of the COP 21 conference in Paris

1. Ratification process on going, maintaining a dynamics
2. More support/incentives from Members states to implement the CO2 reduction means
3. Trend of Electric vehicle development boosted.



# 1. Resource Efficiency-Critical Raw Materials

*‘Critical’ in the meaning of  
a high supply risk*

*(political stability – concentration of supply) combined with  
a high economic relevance.*

## **20 CRM identified:**

antimony, beryllium, **cobalt**, **fluorspar**, gallium, germanium, indium, magnesium, **natural graphite**, niobium, platinum group metals, light & heavy rare earths, tungsten, borates, chromium, coking coal, magnesite, phosphate rock, silicon metal.





# 1. Priority on Circular Economy Package

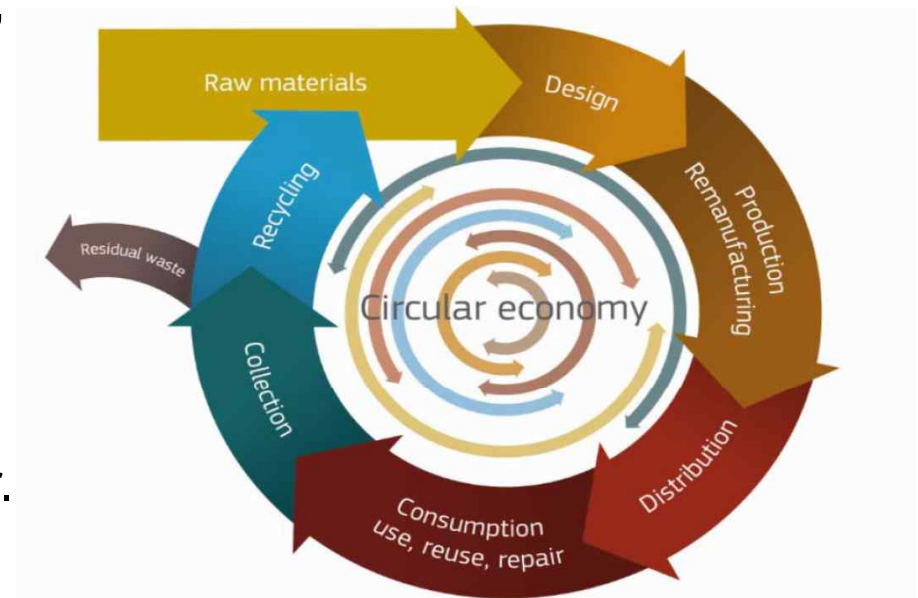
A complete plan for “Circular economy” has been drafted.

For what concerns batteries:

First revision (on-going) is the package of **Waste directives**

- Vote expected before end of the year.
- Some changes possible to the Battery directive.

Second revision (planned): the **Battery Directive**, for 2017.





## 2. Placing on the Market -1

### • 1 Battery Directive:

- 2017 is the end of the exemption for POM Ni-Cd batteries for power tools.
- Amendments proposed by the EU Parliament in the “Waste Directives” review
  - about design phase: phasing out of the “hazardous substances”, limit “planned obsolescence”, inform customer about life duration, promote use of recycled material, etc... : RECHARGE opposed.
  - about data collection harmonization: RECHARGE support.



## 2. Placing on the Market -2

### •2. REACH:

- Follow-up of substances used in Batteries, possibly under REACH authorisation process
- Information requirement for the article containing more than 0,1% of SVHC substances. Required for all Lead and Cd batteries.
  - <https://echa.europa.eu/information-on-chemicals/candidate-list-substances-in-articles-table>
- New website for the industry for REACH regulation: Support application of the regulation for workers protections based on OEL, when applicable, instead of REACH authorisation process.
  - web site <http://www.cii-reach-osh.eu/> :
- Consolidation of the status of batteries as articles ( contrary to the US OSHA position



## 2. Placing on the Market -3

- 3. ECODESIGN
- Review of the scope to extend from “energy” scope to “materials” scope.
- Batteries transversal approach may be proposed.
  
- 4. Product Environmental Footprint and ECOLABEL
- Recharge pilot project of PEF for batteries is finishing end 2016.
- Strong pressure on the Commission pilot to provide usable tool for the future ENVI regulation.



## 3. End of life -1

### 1. BATTERIES DIRECTIVE.

- Difficult consolidation of European data by Eurostat. Report not yet available...
- RECHARGE updated positions for the EPR and EOL treatment of batteries: limit changes, precise 2<sup>nd</sup> life
  - Batteries collection day (May 31st 2017)
  - Communication to the Commission and Parliament ENVI commission.
- Several organisations are promoting positions papers for the revision of the definitions of Portable/industrial batteries, Collection targets, Recycling efficiency
- Labelling (specific presentation)

### 2. WASTE FRAMEWORK DIRECTIVE

- Review on going: support a limitation in the changes on the BD until revision.
- List of Waste update at the Commission agenda, including batteries. => all batteries considered “hazardous waste”?



## 3. End of life -2

### 3. WEE directive:

- moving toward a standardisation for the “recyclers process certification ” = > spread to the batteries?

### 4. ELV Directive

- Follow up of Eurobat work about renewal of the exemption for lead acid batteries (annex 2 in ELV directive): EU Commission has proposed a extension of the exemption, to be voted before the end of the year.

### 5. Sorting of the Li-ion batteries in the lead-acid waste streams

- Working group with EUROBAT
- IEC proposal to launch a new labelling standard under discussion.



## 4. Transport and safety

### TRANSPORT OF DANGEROUS GOODS : Model Regulation

- Many proposals voted at the December and June UNSCTDG Session in Geneva.
- Vote of most of the proposals from the UN informal Working group about UN safety testing of large Li batteries and definitions (UN 38.3 revision).
- UN transport e-book: up-dated edition for Lithium batteries, and new e-book for Pb, Ni-Cd Ni-MH, Na-NiCl.



## 4. Transport and safety

### TRANSPORT OF DANGEROUS GOODS: **Road (ADR/RID):**

- update of SP 636 for the regulation of WEEE containing Lithium batteries

### TRANSPORT OF DANGEROUS GOODS: **Air (ICAO):**

- new ban for Li-ion in cargo of passengers aircrafts, SOC limitation
- delegation of a packaging standard to **SAE G-27**.  
-> Threat for the batteries in equipment.





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### SAFETY : significant move toward standardisation

- **IEC 62902** Standard TC21 WG9 Batteries marking symbols for identification  
March 13 – Netherlands/ May 26 – Paris / Nov 2 Tokyo
- **ISO 17840I**: SO/CTIF standardisation work in the ISO/TC22, about a rescue sheets and the emergency Follow up.
- part 1: should be publish soon.
- part 2 rescue sheets for bused and coaches
- Part 3: training manuals
- part 4: Drive line identification signs
- Discussion about the communication supports on going.



**Thank you for your kind attention !**



**The Advanced Rechargeable & Lithium Batteries Association**

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