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# Motor Workshop 2018

## European Copper Institute

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March 2018





**> 50 years  
leading  
organization in  
copper  
promotion**

**43 global  
members:  
copper  
producers and  
fabricators**

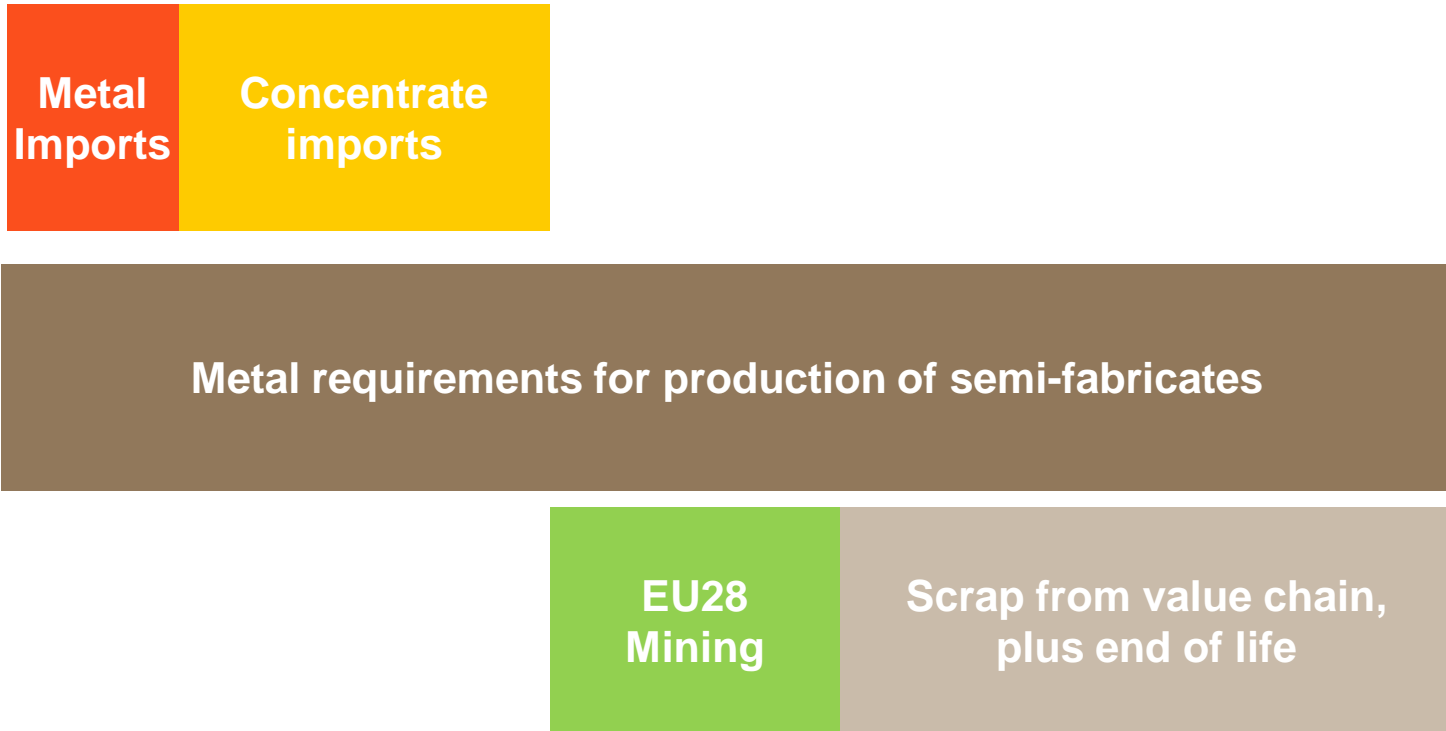
**> 500 local  
members and  
partners**

**Copper Alliance**



# EU28 sources of copper supply +/- 4.2 million tonnes of production

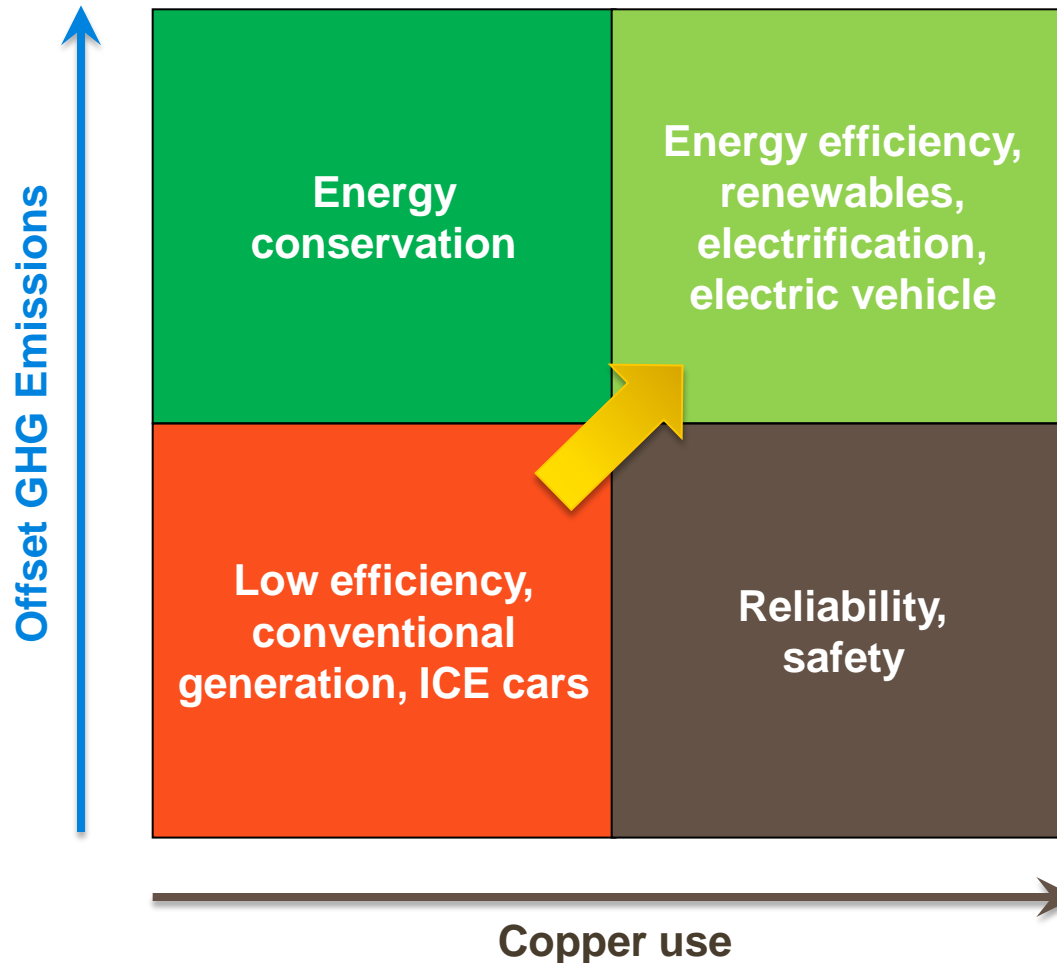
Cu



- EU 28 imports 37% of its copper needs
- 45% of demand sourced through recycling

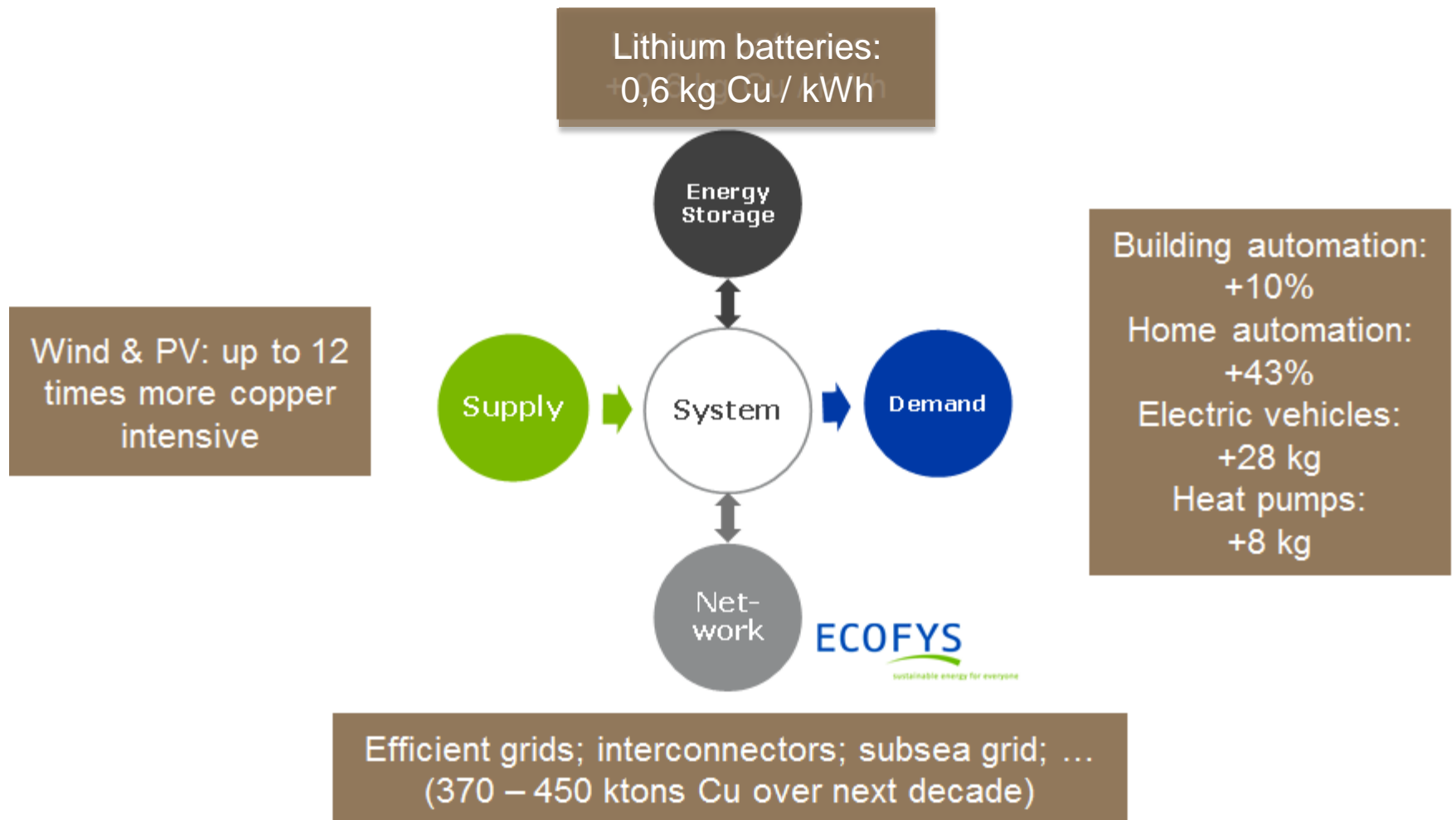
# The strong link between copper use and energy sustainability

Cu



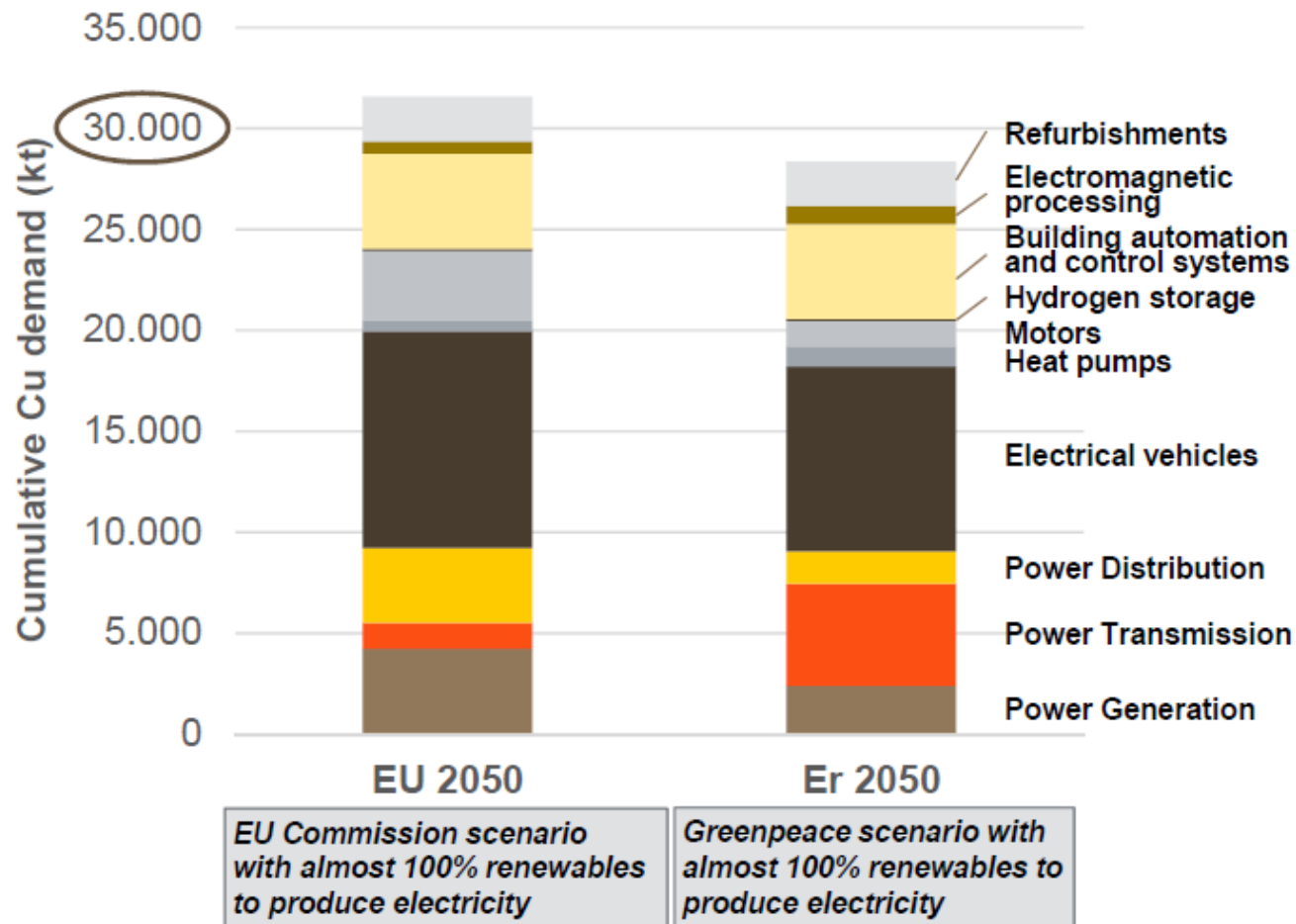
# Copper in renewable electricity systems

Cu



# 30 Mtons cumulative impact of the energy transition on copper demand

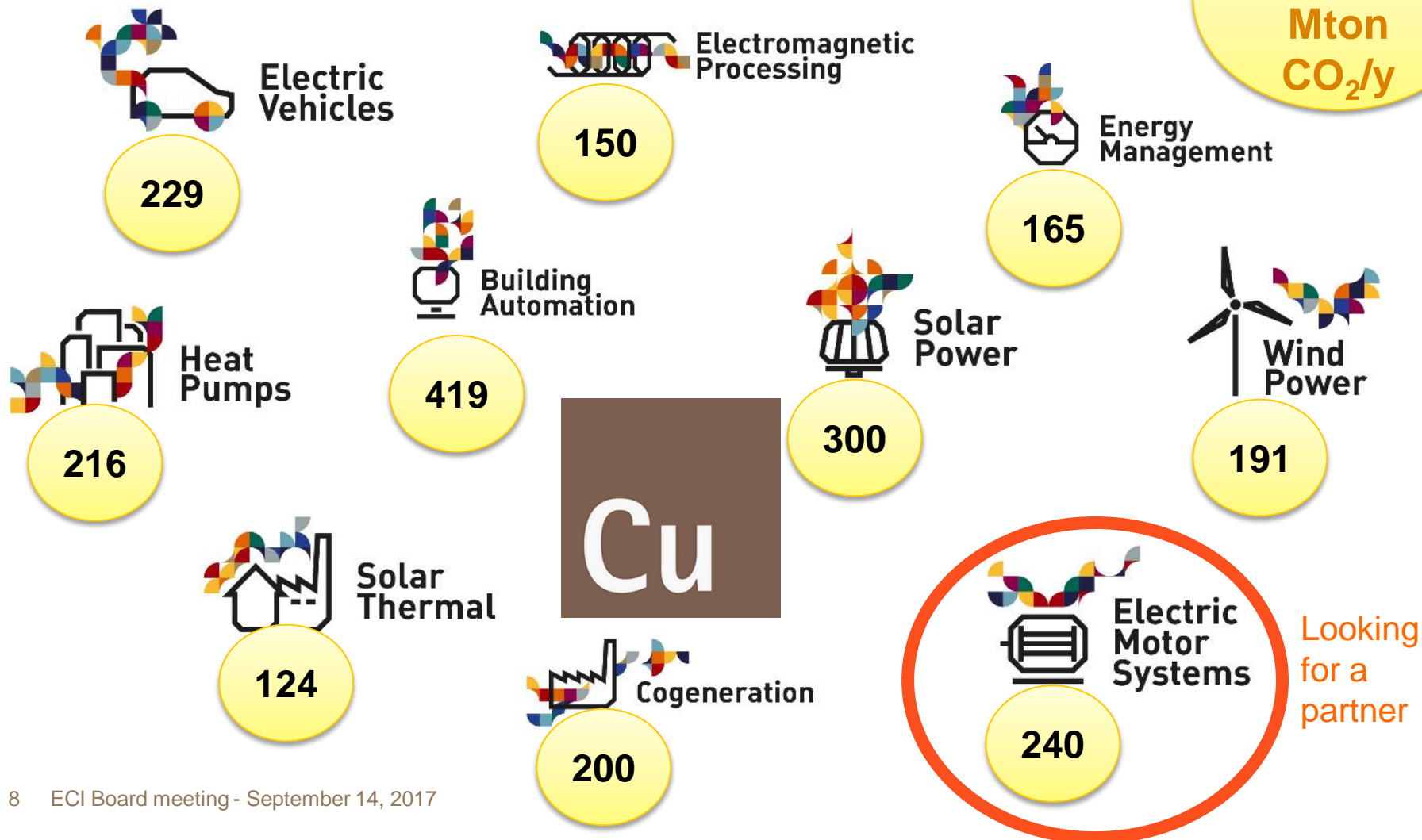
Cu



# DecarbEurope: 10 copper solutions for deep decarbonization of the EU energy system

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Estim.  
Savings  
Mton  
CO<sub>2</sub>/y





# Electric Motors for industrial applications Activities in Europe

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## 2000 - 2009 High efficient motors advocacy

Advocacy

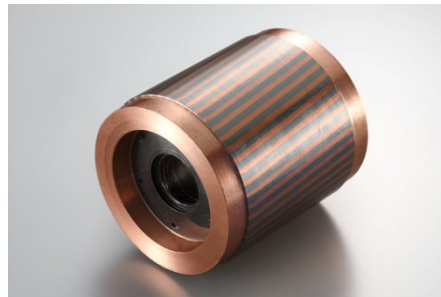
Regulation (EC)  
No 640/2009



## 2011-2015 Promotion of Copper Rotor technology

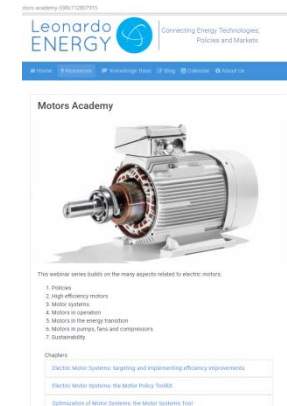
Annual workshops  
Value chain  
Technology explanation  
Economic analysis  
Environmental analysis

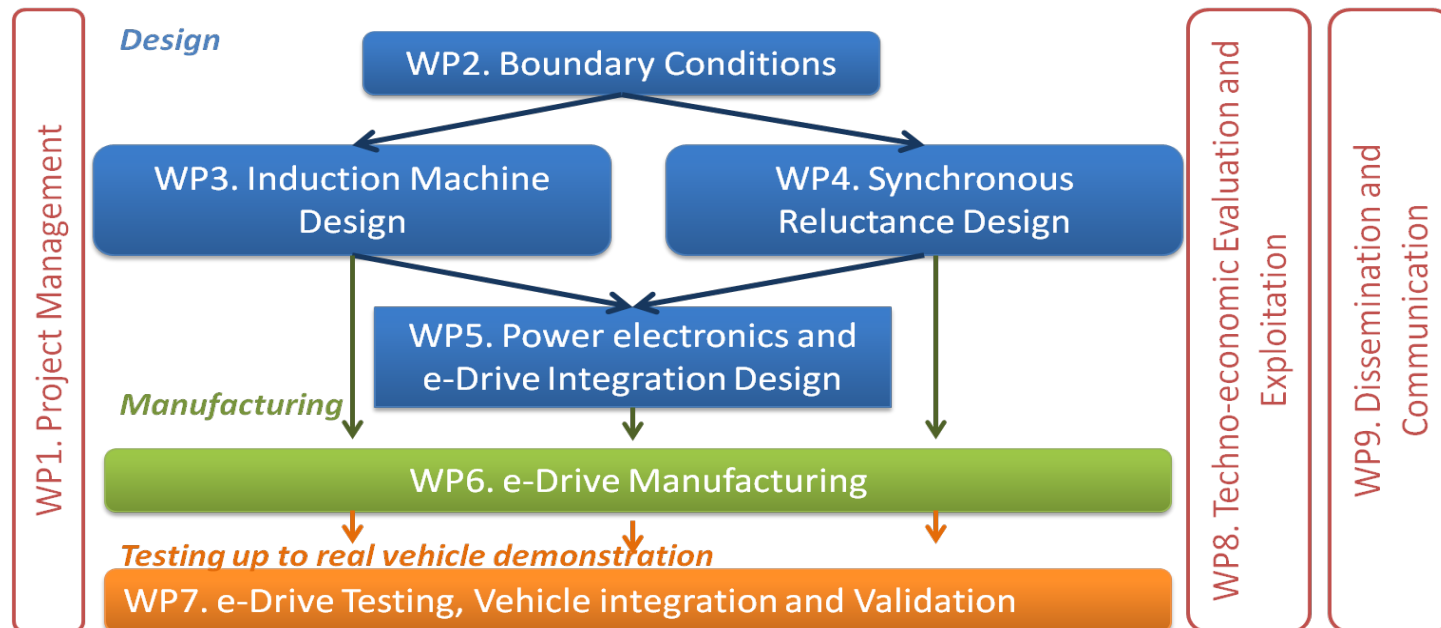
[www.copper-rotor.eu](http://www.copper-rotor.eu)



## 2016 onwards Motors Platform

Annual workshops  
Motors Academy  
White paper Motors  
IE4 technology analysis  
Market surveillance

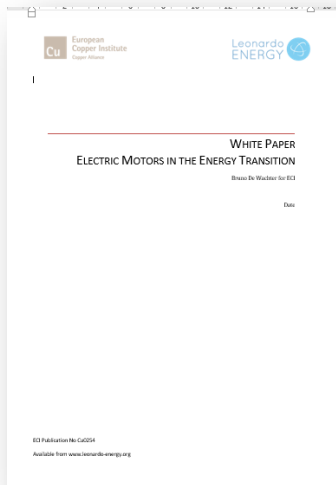




# ACTION oriented workshops

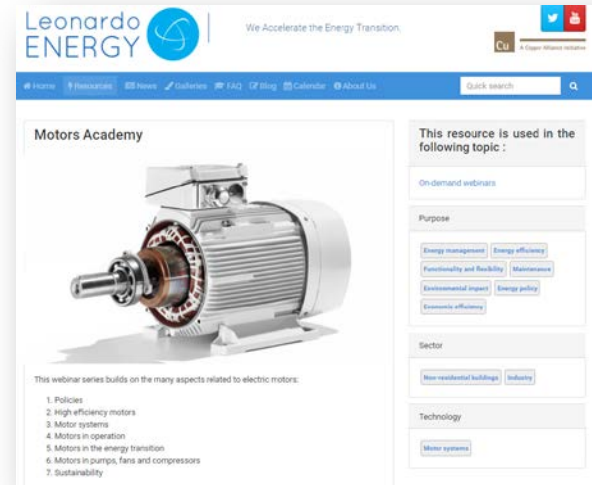
## Achieved activities agreed on 2017

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### White Paper

**Broad support, still a last effort needed**



### Motors Academy

**8 webinars carried out**  
**701 participants**  
**1944 members in the distribution list**

# **ACTION oriented workshops**

## **Proposed activities on hold**

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**Cu**

**Advocating system  
efficiency in legislation**

**No concrete actions  
proposed**

**Testing IE4 motors**

**Labs volunteered**

**Collaboration on solid  
wiring**

**Link to ReFreeDrive**

**Market surveillance  
advocacy**

**H2020 proposal EE-  
PUMPSETS - declined**

# Today's workshop

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**INTERNAL:** presentations and discussions will not be published. Shared among the participants (present + apologies).

**CONFIDENTIALITY:** if you want just to show but not to share your presentation with the rest of the group, please alert in advance

**ACTION-ORIENTED:** remind to formulate at least one proposal for (joint) action.

- The purpose is not to deliver messages to the group, but to suggest possible joint actions
- Consider carefully suggestions from others: you might find nice cooperation avenues.
- At any time during the workshop, use Slido to submit your ideas

# Partnering with Copper Alliance

## Some examples of actions

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**Advocacy to pursue regulatory opportunities for motor systems**

**Technical standardization**

**Market surveillance**

**Market surveys**

**Communication (website, leaflets, articles, webinars, social media)**

**Convening experts through Communities of Practice**

**H2020: support to proposal writing, backup studies, joining advisory board, helping with endorsement**

*Global organization active on motor systems worldwide*

# Using Slido

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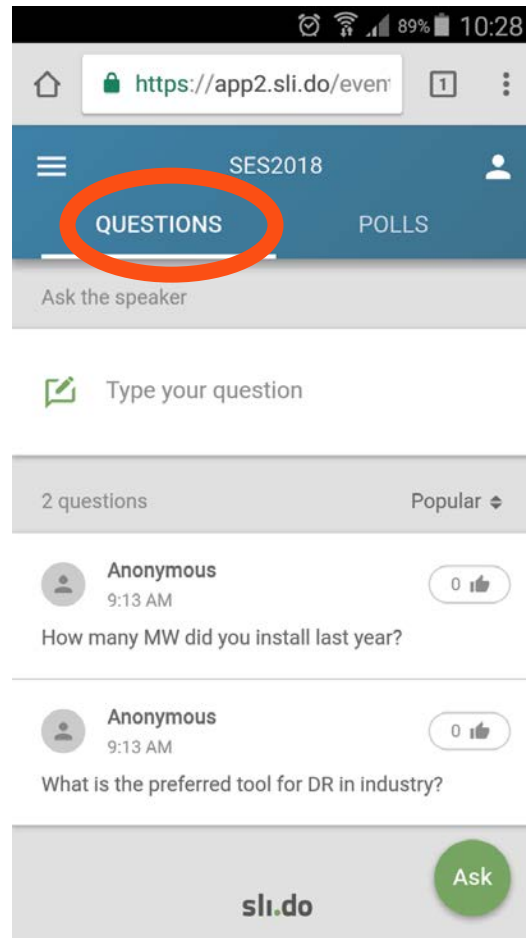
slido

Join at  
**slido.com**  
**#motors2018**

The graphic features a dark blue background with three devices: a smartphone on the left showing a blue sky with clouds, a laptop on the right showing a Windows desktop, and a tablet at the bottom right showing a clock and a water splash. The text 'slido' is at the top, and 'Join at slido.com #motors2018' is in the center.

# Use the “QUESTIONS” tab to submit your proposals for action

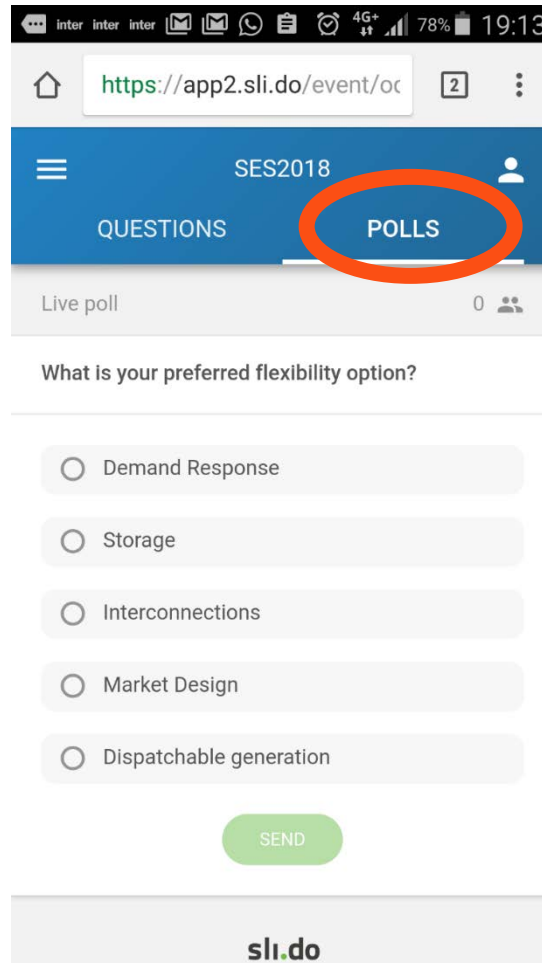
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# Use the “POLLS” tab to tick on the actions you could support in any manner

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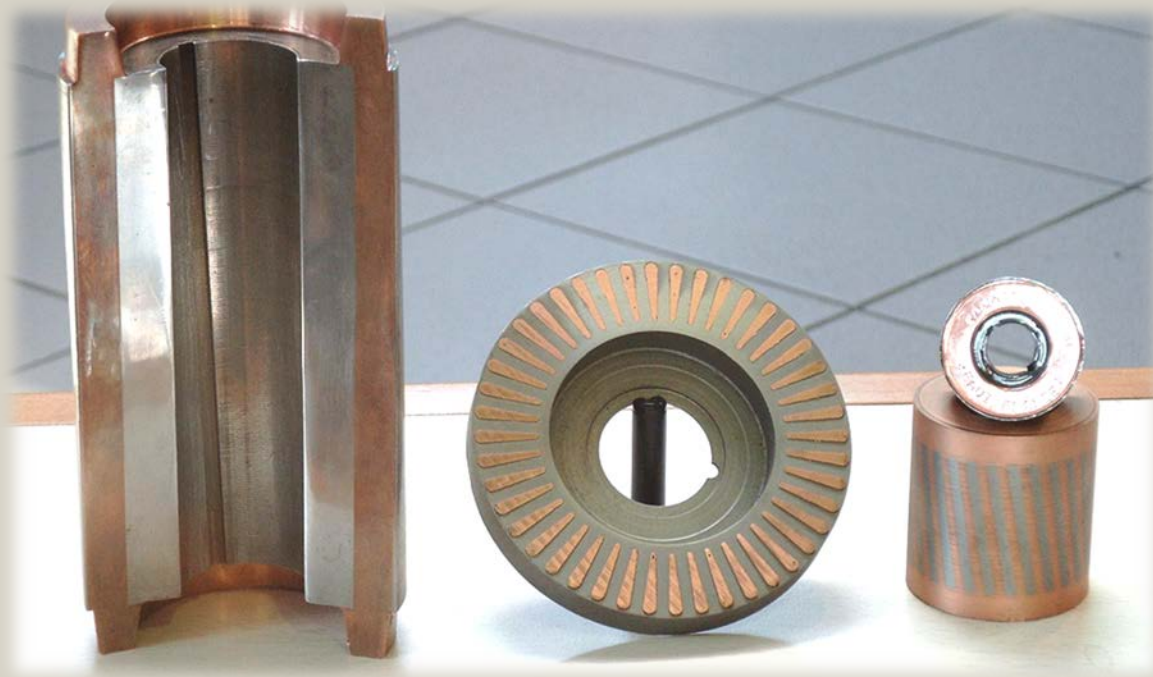


The screenshot shows a mobile application interface for a poll. At the top, the status bar displays 'inter inter inter', signal strength, 4G+ network, 78% battery, and the time 19:13. Below the status bar is a browser address bar with the URL 'https://app2.sli.do/event/oc'. The main header is blue and contains a hamburger menu icon, the text 'SES2018', and a user profile icon. Below the header are two tabs: 'QUESTIONS' and 'POLLS'. The 'POLLS' tab is highlighted with a red circle. Below the tabs, the text 'Live poll' is displayed with a '0' and a group icon. The poll question is 'What is your preferred flexibility option?'. There are five radio button options: 'Demand Response', 'Storage', 'Interconnections', 'Market Design', and 'Dispatchable generation'. A green 'SEND' button is located at the bottom of the poll area. The 'sli.do' logo is at the very bottom of the screen.

**Anonymous** voting, feel free to express possible support, even if unsure

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Looking forward to a fruitful workshop!



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