

## **Stéphane Bourg**

At the world level, 41% of the CO2 emissions are for electricity production, 25% for transports, 18% for industry/construction whereas in France, having already a low carbon electricity, it is 41% for transports, 13% for industry/construction and 12% for electricity (IEA 2018). Fighting against these emissions requires decarbonizing first transports by moving from fossil fuels to electric mobility. Therefore, such a transition is a transition from fossil fuels to mineral resources, which are also finite resources for which their production impacts could balance the gain obtained with their uses in innovative technologies.

A part of the solution is a comprehensive understanding of the raw materials value chains associated to the key technologies, a re-localisation of the refining/processing/manufacturing and when possible of the extraction together with a recycling industry, using the lowest carbon energy mix and the highest ESG standards as promoted by the European CRM Act.