

In order to ensure industrial relevance and impact of the research effort, active participation of industrial partners, including SMEs, components suppliers, electrical vehicle manufacturers and component recyclers, represents an added value to the activities and this will be reflected in the evaluation, under the criteria Implementation and Impact.

The work should be complementary to the objective GC-ICT-2011.6.8 'ICT for fully electric vehicles'.

Funding scheme: Large scale integrating collaborative projects

Additional eligibility criterion: The minimum EU contribution requested must be greater than EUR 4 million.

***Expected Impact:** Establishing the basis for a world level European automotive battery and electrical components manufacturing industry. In particular production of cells, battery packs, electrical motors and components with the required performances at competitive costs. Reduction of waste production and improvement of resource efficiency through a more efficient recycling of critical materials.*

GC.ENV.2011.3.1.3-2 Operational guidance for Life Cycle Assessment studies of the European Green Cars Initiative

Environmental Sustainability is a key driver for the Green Cars PPP. All the technological improvements that will be achieved within this joint action will have to be assessed and measured in a consistent and scientifically sound way. In order to obtain these objectives, the environmental gains achieved by the funded projects should be assessed using Life Cycle Assessments done according to the International Reference Life Cycle Data System (ILCD) Handbook. What is needed in the context of this PPP is(are) (i) specific operational guidance(s) that tailor(s) the general ILCD Handbook for application to future products, and (ii) related training material and courses for practitioners in industry.

The guidance(s) shall also look at items more specific to electric vehicles for a coherent benchmark framework with the other technological options: battery and electric component production process, end of life and recycling, typical vehicle utilization and associated measurement driving cycles, energy interaction between electricity storage systems and the power generation grid, etc. Dissemination of results, in particular to the green cars community and to the projects already selected in the European Green Cars Initiative, is of primary importance for the success of this action. The project will only develop the specific guidance(s) - the actual data collection and execution of the LCA(s) will be subject to separate calls. The project should be planned in order to deliver all results within maximum one year from its starting date.

Funding scheme: Coordination and Support Actions (supporting action)

Additional eligibility criterion: The requested EU contribution must not exceed EUR 500 000.

Additional information: Up to 1 project will be selected.

Expected Impact: Increase in the consistency and transparency of the LCA studies carried out on electric vehicles and, more in general, on all projects performed within the Green Cars PPP. Support - of more solid and reproducible data - to environmental and innovation policies in fields related to the Green Cars PPP (e.g. End of Life Vehicles, Weee Directive, Sustainable and Consumption Action Plan, SET-Plan, etc).