



## SUBJECT OF THESIS 2021 2022

### Thesis title :

Development of an eco-innovation method applied to CEA R&D

### Thesis director (s) :

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**Doctoral school:** MEP2: Ingénierie - Matériaux - Environnement - Energétique - Procédés – Production

**Beginning of thesis:** 01/10/2021

### Funding envisaged - Context - Possible partners :

Funded by CEA, the thesis will be mainly based at CEA, Département des Technologies des NanoMatériaux (LITEN), Service des Technologies Durables pour le Cycle des matières (DRT), Laboratoire Micro-Sources d'Energie

### Brief Description:

The development direction of Europe and France in the framework of the Green Deal and the Circular Economy requires radically different methods of innovation than those practiced until now. To this end, a different line of reasoning is expected: no longer in terms of pure technological progress but in terms of purpose, of sustainable impact for the economy, the environment and society, moving from Innovation to Eco-Innovation. This change of paradigm is a new challenge that the CEA must face because it is a factor of competitiveness with regard to its industrial partners, of success in institutional calls for projects and of attractiveness to young talent. The objective of the thesis is to define the Eco Innovation methodology best adapted to the Research and Development activities of the CEA. It will have to be easily shared and understood by the research engineers and easily implemented in the organisation. The work will be conducted with academic partners specialised in ecodesign, societal aspects and internal CEA entities for the Innovation, ecodesign and tech-eco parts. This thesis is part of a PTC Materials project called M.U.E. (Unified Eco-innovation Method).

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