

## Meet the Spanish Association for Standardization (UNE)

The Spanish Association for Standardization, [UNE](#), is legally designated as the National Standardization Body of Spain since 1987. It is the national representative and member on the European (CEN, CENELEC and ETSI), International (ISO and IEC) and Pan-American (COPANT) Standards Organizations. As a part of the standardization activities, UNE is highly active in integrating standardization in R&I projects, with experience in more than 130 funded European and national projects and provides support, information and training to Europe-wide R&I actors.

UNE supports [Battery2Life](#) in all aspects related to standardization, from the start to the end of the project. Especially, by identifying existing standards, engaging with standardization organizations, identifying standardization potential of project results and promoting the growth of new standards covering [Battery2Life](#) outcomes. The aim is contributing to transfer and valorise new knowledge, increasing the impact of the project, especially among industry, society, and public authorities.

### The role of UNE in Battery2Life

UNE supports the [Battery2Life](#) project in two ways. The first, developed during the first half of the project and updated as necessary, has been to identify the standards applicable to the product being developed. Standards are widely used by different industrial players in the value chain to define the quality, safety, interoperability, etc. requirements of a product or service, and it is necessary for an R&I project to be familiar with and use them when developing this type of product if it wants to enter that market. On the other hand, standards are not only used for the purpose of regulating a 'market', but are also widely used, and in the European Union this is quite common, to define minimum technical requirements for compliance with regulations. In the case of the [Battery2Life](#) project, its development has coincided with the entry into force of Regulation (EU) 2023/1542 concerning batteries and waste batteries and the development of the harmonised standards requested by the EC for this regulation. Information on regulation and standards has been published in deliverable [D9.6 Standardisation landscape](#), a very useful document for other projects working in the field of batteries, although this information needs to be updated given the changing regulatory and standardisation environment in this field.

UNE's second activity in the [Battery2Life](#) project is to transfer part of the knowledge generated during the project to the standardisation system so that industry can benefit from this knowledge. In this regard, the main difficulty encountered has been that the field of activity of the project is closely related to safety, and standardisation bodies have strict rules on the development of safety-related standards, which make it unfeasible for a research project to develop such documents, mainly due to the long time needed to develop those standards. Fortunately, the European standardisation bodies CEN/CENELEC have specific procedures for developing pre-normative documents associated with R&I projects, the CEN/ CENELEC Workshop Agreements (CWA). The [Battery2Life](#) project will propose the development of two CWA documents on the development of open-source and interoperable Battery Management Systems (BMS), which will enable a shift from a proprietary BMS development model that is highly adapted to a specific application to a more versatile model that can be adapted to secondary uses.

