

CIEMAT contribution to the IAEA Code Centres Network (CCN)

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As the Division of Materials for Energy of CIEMAT participates for the first time in this meeting, the presentation will highlight our objectives, structure and research lines, emphasising the type of data we could potentially provide in terms of experimental measurements and observations on steels, as well as, modelling data on iron alloys. In addition, the activities of the H2020 M4F (Multiscale modeling for Fusion and fission materials) project coordinated by CIEMAT will be presented, as they are consistent with the goals of the meeting. Finally, the H2020/ENTENTE (European Database for Multiscale Modelling of Radiation Damage) project proposal, just submitted to Euratom and also coordinated by CIEMAT, will be described. If approved, this project will pursue the creation of a database dedicated to the embrittlement of reactor pressure vessel steels, ranging from mechanical to microstructural and modelling data. Collaboration of ENTENTE with the community involved in the meeting, particularly if a CRP is launched, in particular concerning the CascadeDB, is accordingly considered possible and of mutual benefit.