



This Marie Curie Doctoral Network is launched and recruitment will start!

DurAMat is the game-changer that will engender long-lasting performance properties of **Additive Manufactured** products used in severe exposure environments. DurAMat research will i) develop AM components from different alloy families sustainably, ii) enable AM as preferred repair method for defunct metallic products and iii) enable AM for metal functionalisation. **DurAMat's research combines experimental research with multiscale modelling and machine learning (ML) methods.**

DurAMat fills important knowledge gaps and will innovate AM metals and coatings, technologies, services, and several computational models (multiscale and Machine Learning).

DurAMat is coordinated at the **Vrije Universiteit Brussel VUB** by Prof. Iris De Graeve, Prof. Herman Terrynt, Dr. Reynier Revilla and Dr. Fatma Demir!

The consortium consists of 6 Universities, 2 Research Centres and 5 Industrial Companies from 6 European Countries. **It will train 11 doctoral candidates in a holistic approach, encompassing cross-disciplinary scientific knowledge transfer, teaching activities, and cultivating interpersonal and transferable skills.**

DurAMat's impact forecasts, among others, a 30% energy reduction in the processing and manufacturing of products, 60% less end-product failures reducing health hazards, eco pollution and casualties, and a 20% cost benefit compared to conventional industry approaches.

Find out more about the projects and the recruitment on our website: duramat-project.eu

