

## **PRIN 2022 n. 2022FKLTSB - “finanziato dall’Unione europea – Next Generation EU”**

**Titolo:** Eco-Design for Additive Manufacturing (EcoDAM): a framework to support the lightweight design

### **Abstract**

The EcoDAM (Eco-Design for Additive Manufacturing) project aims to develop an integrated product-process eco-design framework specifically for metal additive manufacturing (AM). The goal of the project is to integrate mechanical, technological, and sustainability considerations throughout the product life cycle to support lightweight design. The project includes using reused metal powders, promoting eco-sustainability, and enhancing mechanical performance without compromising the structural integrity of AM- produced metal components.

### **Team di ricerca**

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### **Università**

Università di Bergamo (coordinatore), Sapienza Università di Roma, Università Roma Tre

### **Partner**

In collaborazione con INFN-Laboratori Nazionali Gran Sasso

### **Durata del progetto**

2 anni

### **Importo finanziato (DIMA)**

Cofinanziamento: € 15.240,00

Finanziamento MUR: € 66.906,00