

## **Automation and high throughput research: Part I and II**

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### **Abstract**

*The Italian Energy Materials Acceleration Platform (IEMAP) thanks to a grant from the Ministry of Environment and Energy Security that supports Italian participation in the Mission Innovation international cooperation initiative, intends to build an advanced digital laboratory that harnesses the power of supercomputing, Artificial Intelligence tools and Big Data to accelerate the design of materials for energy applications in the energy storage and renewable energy sectors. The infrastructure will be able to collect, store, and process a significant amount of experimental and computational data from various Italian research laboratories in the field of materials for energy. During the meeting, ENEA, CNR and IIT will discuss the state of the art of energy technologies, the development of new solutions and prospects.*