

Structural Materials



Strategic activities

Materials nanostructuring:

-Severe plastic deformation,
Sintering glasses and glass-nanoceramic,
Functionally graded materials.

Micro and nano-scale characterization

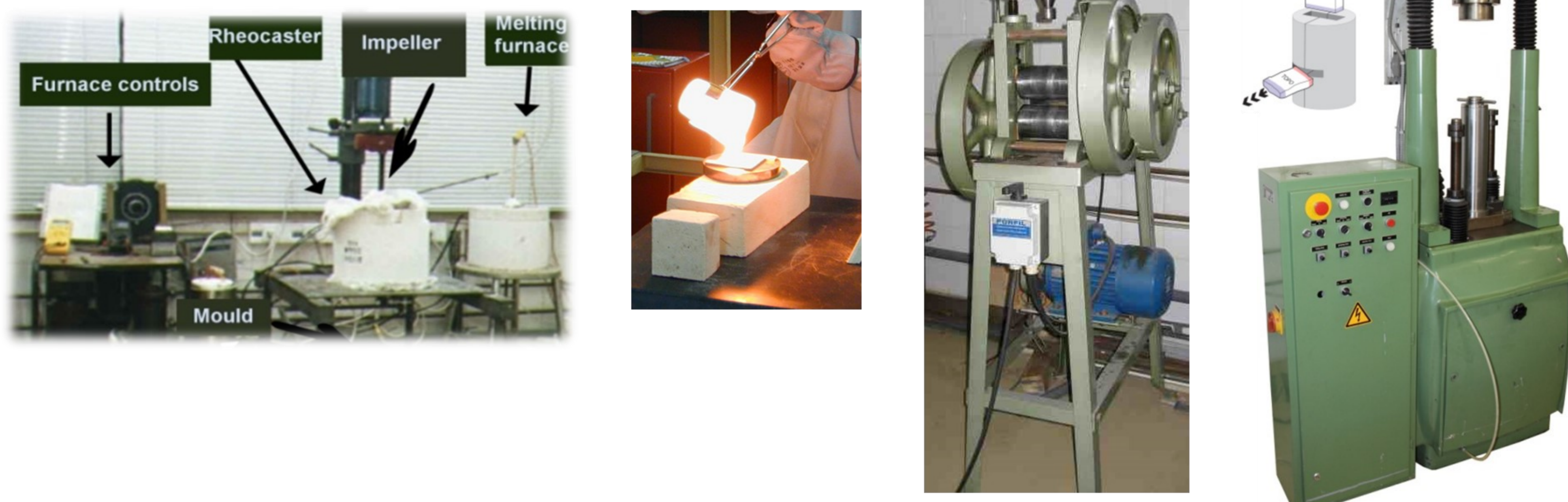
Synchrotron radiation techniques,
Cultural materials,
Microtomographic 3D image reconstruction.

Modelling

-Materials processing,
-Thermomechanical behavior of functional materials.



Processing Facilities



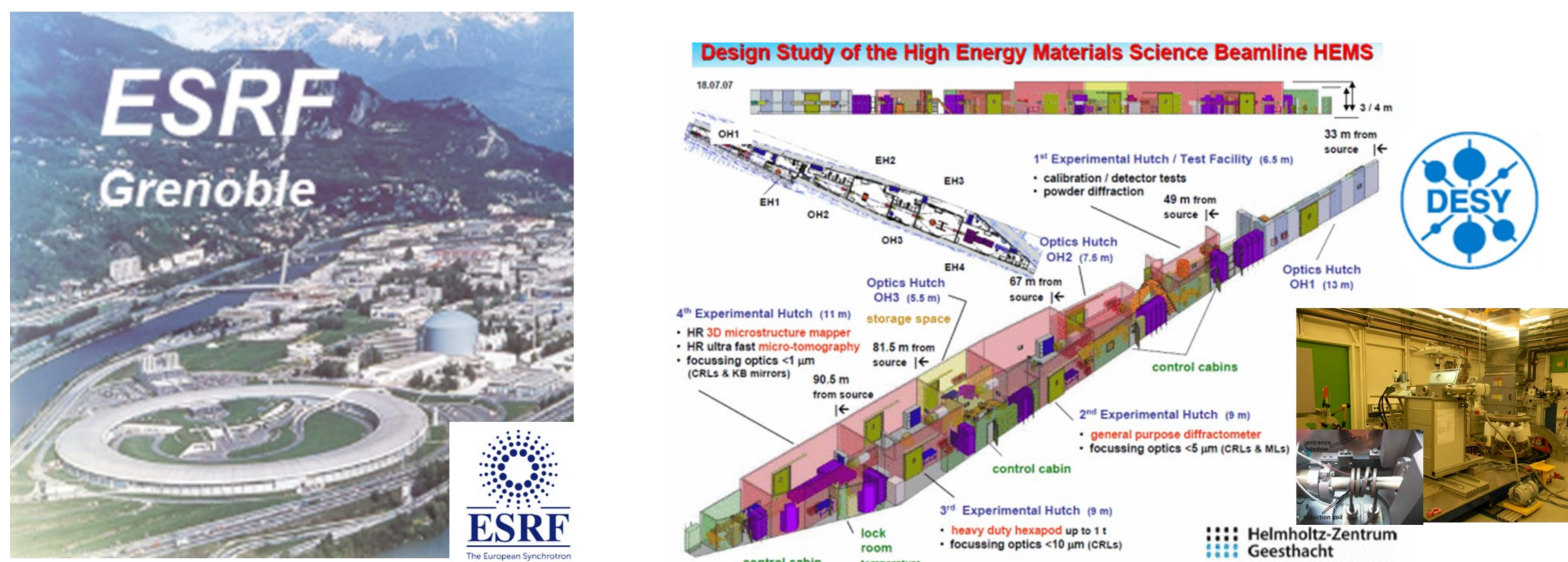
Thermal and mechanical characterization



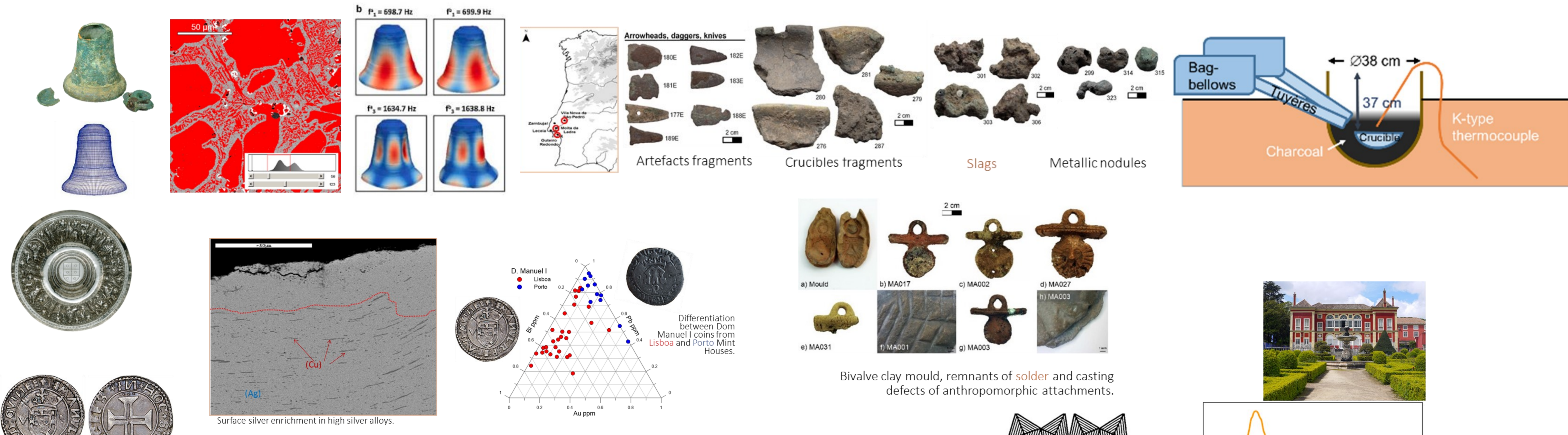
Structural and compositional characterization



Synchrotron Radiation



From Cultural Heritage Materials



To Smart Materials

