

Research program:
“Development of ICT solutions to design custom-fit products using innovative and low-cost devices”

Annex C

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Research activities

- The following activities have been planned:
- Analyse the state of the art of low cost devices for reverse engineering, hand tracking devices and additive manufacturing for applications in the medical and textile-clothing sectors.
- Identify the requirements for SW solutions targeted to acquire the product shape and interaction by means of low cost devices, such as Kinect sensors and Leap Motion devices.
- Select at least two case studies to validate the SW modules: one for the medical field and another one for Textile-Clothing sector.
- Identify the strategies to integrate them with 3D modelling systems for custom-fit products already available at the laboratory.
- Define the architecture of the technical solution/s with regard its hardware and software components and their development.
- Test developed ICT solutions with the case studies.