



TAKE INSPIRATION FROM THE REAL WORLD!

New technologies to make everyone a creator

www.replicate3d.eu

CLOUD-BASED COLLABORATIVE 3D RECONSTRUCTION USING SMARTPHONES

HIGHLIGHTS

REPLICATE assembles a world-class team of creative thinkers from research and private sectors to benefit the Creative Industries through:

The promotion of a user-centric, mobile-based, 3D acquisition tool to transform real-world scenarios into new forms of creative-assets.

The development of geometric and semantic decomposition tools that can guide users through the process of disassembling and reassembling sub-elements of objects.

- The introduction of new ways of content creation, access and reusability through crowd-sourcing strategy and the implementation of 3 initial Creativity Incubators.
- The enhancement of creative process in cooperative and co-creative environments through the integration of novel Mixed Reality (MR) user experiences and physical replicates via rapid prototyping.



WITH YOUR PHONE'S CAMERA CAPTURE REAL WORLD OBJECTS

Our easy to use APP helps anyone to create 3D models from the real-world. A phone-cloud setup means high quality results without killing your battery



ENRICH THE MODEL

Improve your 3D models and add further appearance properties using REPLICATE's computer vision algorithm



CREATE NEW CONCEPTS

Decompose and recombine your creations using our in-build semantic segmentation technology



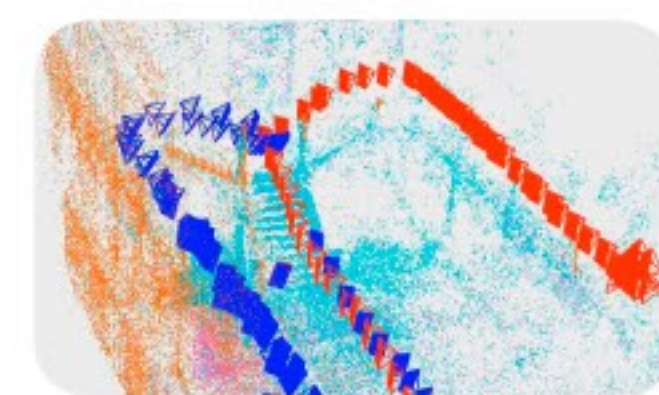
SHARE AND INTERACT WITH THE COMMUNITY

Collaborative tools enable you to co-develop new models with other members of the community and be creative together



USE THE MODEL

Optimized industry compliant models can be visualized in Virtual or Augmented reality or be used according to your needs, e.g. 3D printed



COLLABORATIVE SCANNING

Multiple users can collaborate to scan the same object improving speed and object details



DENSE POINT CLOUD GENERATION

Watch a sparse and then dense point cloud build up in front of your eyes on your phone as you scan



MESH RECONSTRUCTION

Once your scan is complete, the system quickly generates a mesh model ready for future creative projects

Partners



KEEP IN TOUCH!

Contact us to enter the community:
replicate-info@fbk.eu

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