

# Repair 3D

REPAIR3D PROJECT NEWSLETTER  
2019

## NEWSLETTER

The **Repair3D Project** had its Kick-off Meeting in Bologna on the 12th and 13th February 2019, at the UNAHOTELS Bologna Fiera. This H2020 project: “**Repair3D – Recycling and Repurposing of Plastic Waste for Advanced 3D Printing Applications**” (5.9 € Million Grant), is a 49-month project, which started on the 1st January 2019. The project, which has 18 partners from 6 EU countries, is coordinated by Warrant Hub S.p.A., the National Technical University of Athens (NTUA) is in charge of the scientific coordination and Cambridge Nanomaterials Technology Ltd. (CNT) is in charge of the project exploitation.

The Project Officer, Dr Achilleas Stalios, from the European Commission was present at the Kick-off Meeting. The objective of the project, which will have a duration of 49 months and an EU contribution of 5.998.832 €, is the development of innovative reclamation and repurposing routes for end-of-life plastic and carbon fibre reinforced polymer components. This will be achieved by employing advanced nanotechnology solutions, Additive Manufacturing and recycled resources, to produce high added value 3D printed products with advanced functionalities.



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## Dissemination Activities

2019 was a very active year for Repair3D Partners, with many activities to disseminate and promote the project. Some of these activities are described below.

**ADAMANT** from Greece, participated in the *Patras Innovation Quest (Patras IQ)* exhibition on the 12th, 13th and 14th of April 2019. Its main objective was to create a critical competitive advantage both in the research community as well as in the productive sector, through a constant effort to solve problems and apply innovative ideas for the development of new products and services and the optimization of existing ones, which aspire to conquer a part of the national and global market. ADAMANT's participation was aimed to promote the projects they are involved in. They prepared and presented the activities of ADAMANT and a poster of the Repair3D project.

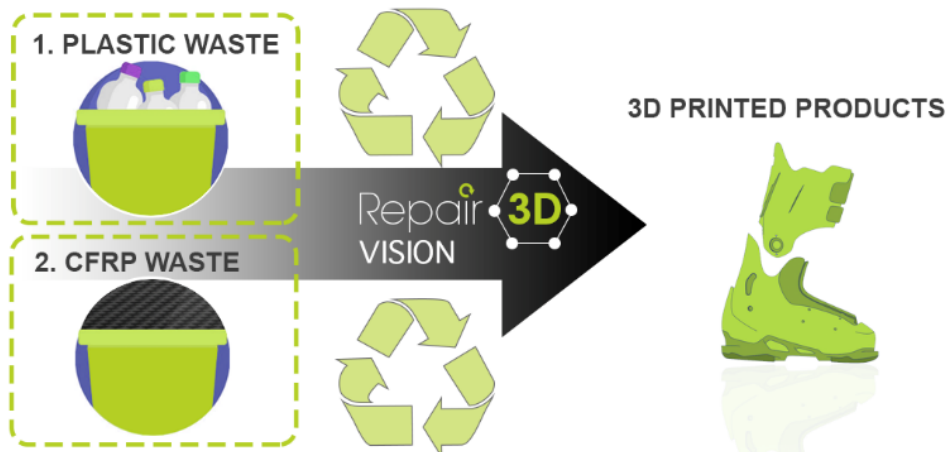


The **National Technical University of Athens (NTUA- R-Nano Lab)** together with the University of Patras organised the *9th EASN International Conference on "Innovation in Aviation & Space"* which took place in Athens, Greece from the 3rd until the 6th of September 2019, with the attendance of around 450 participants. Within a session "Nano-/micro-composites by design: methodologies and tools for enhanced properties against performance/reliability failure", Repair3D partners NTUA and UGENT prepared a joint presentation with the title "3D printed CFRPs and micro-composite products by design from recycled resources" where a general overview of the Repair3D project and CFRP 3D printing technologies were presented.

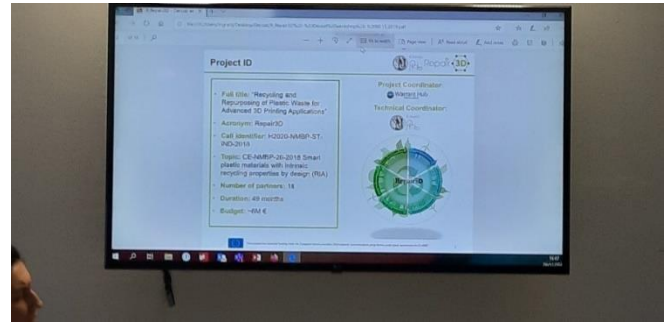
**NTUA** also organised the Researcher's Night on 27 September 2019. This year the Researchers' Night at NTUA was harmonized with the European Sport Week, with a special tribute on "Sport: Heritage – Innovation". R-Nano Lab had a booth, displaying Repair3D leaflets. Since this year's theme was sport, one of the Repair3D models – ski boots – were demonstrated. The 3D printed ski-boots were included in the Treasure game that took place at the end of the event.



## Recycling and Repurposing of Plastic Waste for Advanced 3D Printing Applications



**Repair3D** participated together with other twelve ongoing European Projects on Plastics Circularity to explore possible synergies in a meeting organized by Demeto project and held at the EuPC offices in Brussels, on the 3 June 2019.



**NTUA** and the **Warrant Hub**, partners of the Repair3D project participated at DECOAT project workshop on the 6<sup>th</sup> and 7<sup>th</sup> November 2019. The workshop was organized at ECOMONDO, at International Solid Waste Association (ISWA) boot, in Rimini, Italy.



## Repair3D joined the Plastics Circularity Multiplier Cluster

Repair3D joined the Plastics Circularity Multiplier Cluster. This is an initiative which seeks to improve value chain collaboration and create cross cooperation between EU Projects. **Repair3D** is one of the twenty-one innovation projects, who have joined forces. The initiative aims at showcasing the synergies of EU-funded projects in the field of plastic circularity and coordinating communication and dissemination activities.

[www.repair3d.eu](http://www.repair3d.eu)

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