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A company



DFGRUPO



HAZITEK - ENPRESA I+G BULTZATZEKO LAGUNTZA PROGRAMA
FUNDING PROGRAMME TO SUPPORT BUSINESS R&D- HAZITEK
KOFINANTZA TUTAKO ERAGIKETA / JOINTLY FUNDED ACTION:
Project No. ZL - 2020/00412 - HAZILORE proiektua

EUSKO JAURLARITZAK ETA EUROPAR BATASUNAK
2014 - 2020 ESKUALDE GARAPENERAKO EUROPAR FUNTSAREN (EGEF) BITARTEZ
KOFINANTZATUTAKO ERAGIKETA

ACTION FUNDED BY THE BASQUE GOVERNMENT AND THE EUROPEAN UNION
THROUGH THE EUROPEAN REGIONAL DEVELOPMENT FUND 2014 - 2020 (ERDF)



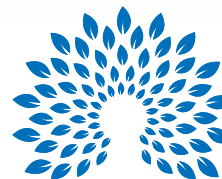
Europar Batasuna
European Union

European Regional
Development Fund (ERDF)
"A way to make Europe"

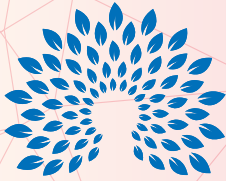
Eskualde Garapeneko
Europako Funtsa (EGEF)
"Europa egiteko modu bat"



EUSKO JAURLARITZA
GOBIERNO VASCO



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Additive Manufacturing (AM) technologies are defined as the process of joining materials to make objects from 3D model data, usually layer upon layer, as opposed to subtractive manufacturing methodologies (ASTM F2792-10 “Standard Terminology for Additive Manufacturing Technologies”).

These technologies allow for the direct manufacture of 3D objects from data or CAD (Computer Assisted Design) models.



“DEVELOPMENT OF NEW ACTIVE PRODUCTS THROUGH ACTIVE MANUFACTURING”

This research project proposes the development of an innovative, new active material in the ornamental plant sector for its use in additive manufacturing technologies, such as 3D printers, to serve as free creation and learning in society and education. The urban environment is the main point of contact between most people and biodiversity, so it represents a great educational opportunity with regard to advanced manufacturing. Furthermore, the educational centre where this project is to be implemented, POLITEKNIKA IKASTEGIA TXORIERRI, is a vocational training centre where students are trained for the industrial sector.

The development of an active material for application in the plant/seedling market on an industrial scale will provide a boost as an innovative product for GARAIA and will also involve an important development for **DF BLUE AGRO S.L.** in innovative biotechnology to adapt the germinating power of ornamental seeds and the formulation of fertilisers adaptable to the additive manufacturing process.

Additive manufacturing (AM) is an innovative model of part and product design. Additive manufacturing, its current situation and its future forecast was the central focus of a meeting held at the Gipuzkoa Science and Technology Park, promoted and organised by the SPRI Group and the Gipuzkoa Chamber of Commerce. The link between this industry and the sectors that are a driving force in industry 4.0. such as automotive, aeronautics, machine tools and health, is speed up its implementation in the Basque production industry.