

BIOMATDB

Advanced Database for Biomaterials with
Data Analysis and Visualisation Tools extended
by a Marketplace with Digital Advisors

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PROJECT BACKGROUND

BIOMATDB aims to create an advanced database for biomaterials providing detailed information on their properties. Flexible data analysis and visualisation tools support the search and selection process based on analyses of the results of biological testing of biomaterials from the scientific literature to incorporate data on as many of the material properties as possible.

The project provides a web-optimised information marketplace and digital advisors to support companies, especially SMEs, in offering their products and properly presenting themselves at global scale. Initiated by biomaterial use cases, the web application will match the suppliers and demanders through intelligent matching tools and step-by-step decision support.

BIOMATDB focuses on the creation of a label of biocompatibility to define the suitability of a biomaterial for use in a medical device or advanced therapy and to assist companies, especially SMEs, in facilitating market access for their products by providing them a better guidance.

PROJECT OBJECTIVES



ACCESS existing knowledge on biomaterials to identify best practices for material databases as well as survey relevant stakeholders to gather requirements



DEVELOP an advanced database of biomaterials providing detailed information of all relevant properties and intuitive data analysis and visualisation



LAUNCH of an information marketplace for suppliers of biomaterials and implementation of digital advisors to support demanders



CREATE a label of biocompatibility to define the suitability of biomaterials for use in medical devices or advanced therapies to boost market access



DEMONSTRATE the database and marketplace in combination with training activities and derive a feasible business model



INCREASE awareness and impact through effective and measurable communication and dissemination activities and the developed solutions



BIOMATDB

PROJECT FACTS

Duration

06/2022 to 11/2024

Programme

Horizon Europe

Reference

101058779

Coordinator

SYNYO

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MINDS & SPARKS

