



KNOWLEDGE AND TECHNOLOGY TRANSFER OF EMERGING MATERIALS
& TECHNOLOGIES THROUGH A DESIGN-DRIVEN APPROACH

PROJECT PRESENTATION

Co-funded by the
Erasmus+ Programme
of the European Union



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THE PROJECT

A design-driven approach for knowledge transfer of emerging materials & technologies

Datemats is a European project funded by the Erasmus+ programme, within the key actions related to transnational and result-driven activities between higher education institutions and businesses, to generate innovation in teaching and learning and co-creation of knowledge. The project aims to create a unique design teaching and learning method in the field of emerging materials and technologies and to boost knowledge transfer from academia to companies in a designerly way.

Datemats intends to co-creates many outputs: teaching methods and training guidelines, methodology and framework, training workshops addressed to managers and companies, entrepreneurship workshops addressed to start-up related to emerging materials and technologies.



THE OBJECTIVES

The diversity and speed of change in the landscape of EM&Ts provides opportunity for an open innovation approach

Datemats aims to generate innovation in higher educational models and knowledge transfer methods.

The initiative is going to:

- transfer and implement a unique design-led teaching method in the field of EM&Ts for students with a mixed background (design & engineering), boosting also their entrepreneurial skills and addressing the needs of businesses related to EM&Ts;
- foster knowledge and technology transfer from academia and research centres to industry in a designerly way developing new guidelines and approaches.



THE AREAS

The areas integrating knowledge transfer methods in four material technology areas

Datemats investigates and focuses on four specific macro-area of Emerging Materials and Technologies (EM&Ts) considering the universities' fields of activities, competencies and expertise.

The four investigated EMTs areas are:

ICS: Wearables EM&Ts
coordinated by Polytechnic of Milan

Advanced growing EM&Ts
coordinated by Copenhagen School of Design and Technology

Nanomaterials EM&Ts
coordinated by Tecnun Navarra University

Wood-based EM&Ts
coordinated by Aalto University



THE PARTNERS

Interdisciplinary
consortium:
ten partners,
six countries.

1. Politecnico di Milano - Department of Design
2. Aalto University - Chemarts
3. Barcelona Design Center (BCD)
4. Centro Italiano per l'Apprendimento Permanente (CIAPE)
5. Industrial Development Center West Sweden (IDC)
6. Instituto de Soldadura e Qualidade (ISQ)
7. Copenhagen School of Design and Technology (KEA) - Material Design Labo
8. Materially Srl Impresa Sociale
9. University of Navarra - Faculty of Engineering (TECNUN)
10. Fostering Art ad Design (FAD) - Materfad



Interested in emerging materials & technologies?

Get in touch to be involved in a unique exploratory and experimental path

Datemats activities are open to faculty, students and enterprises and will offer several occasions in which the involved universities will share their best practices for knowledge and technology transfers related to emerging materials & technologies.

Design and engineering students enrolled at the involved universities interested in one of these areas, as well as companies - producers, manufacturers, end-users, startups etc. - that operate in these fields can be involved in the Datemats activities learning to detect and exploit the potentials of emerging materials and technologies and gaining new skills, methods, expertise and competitiveness.

To discover how you can be part of Datemats, visit: www.datemats.eu



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