

FP7-Success Story of Vienna University of Technology

BIO-CT-EXPLOIT: Innovative simulation tool for bone and bone materials, based on enhanced CT-data exploitation

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Call

FP7-SME-2008-1

Funding Scheme

Research for SMEs

Project Coordinator

Vienna University of Technology (TUW)
Institute for Mechanics of Materials and Structures

Project Duration

December 2009 – November 2011



The BIO-CT-EXPLOIT project substantiates cutting-edge knowledge in X-ray physics, applied mathematics, and engineering micromechanics into unparalleled, highly reliable simulation tools for structural design purposes, to be integrated into commercial simulation packages as well as software coming with CT devices.

Vienna University of Technology / AT (UNI)

University Politecnica delle Marche / IT (UNI)

Politechnika Warszawska / PL (UNI)

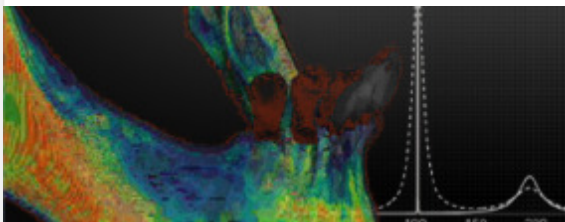
Hochschule für angewandte Wissenschaften / DE (UNI)

Simpleware Ltd / UK (SME)

InMatrix / RU (SME)

CADFEM GmbH / DE (SME)

SKYSCAN NV. / BE (SME)



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interview

What are your impressions about the collaborative activity with SME / academia during the project?

Christian Hellmich

(project coordinator, TUW):

"A good cooperation and collaboration in relation to shared, transferred and harmonized methods and data between researchers and SMEs has been established. Complementary skills are being applied to mutual benefit. The management of the consortium is characterized by a smooth communication between all beneficiaries. The decision making process was driven by consensus-finding after comprehensive discussions."

Do you have any suggestions for other SMEs / academia that would like to get involved in such projects?

"The identification of research questions which are essential for the SMEs, and which can be successfully tackled by the research partners, is necessary. SME partners should not compete but have complementary interests within a broader topic. As the involved partners from SMEs and academia mostly have different scientific, technological and commercial backgrounds it is very essential at the beginning of the project to establish a mutual understanding of the aims and the prospective results of the project. Only once this mutual basis is made, the project can be carried out successfully for both – partners from academia and industry."

What are the future perspectives, is there interest in future collaboration?

"The SMEs and researchers involved in this project plan future collaboration, both with regards to commercialization of the produced tools, and for the identification of exciting new research avenues."

