

Project acronym: NanoSim

Project title: A Multiscale Simulation-Based Design Platform for Cost-Effective CO₂ Capture Processes

using Nano-Structured Materials (NanoSim)

Funding scheme: Collaborative Project

Thematic Priority: NMP

THEME: [NMP.2013.1.4-1] Development of an integrated multi-scale modelling environment for

nanomaterials and systems by design

Starting date of project: 1st of January, 2014

Duration: 48 months

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WP N°	Del. N°	Title	Contributors	Version	Lead beneficiary	Nature	Dissemin. level	Delivery date from Annex I	Actual delivery date dd/mm/yyyy
1	D9.8	Academic Training and Student Feedback	Author: Stefan Radl Checked by: Christoph Kloss (DCS)	1	TUG	R	PU	30/06/2015	03/07/2015

1 Introduction

This document summarizes (i) the portfolio of courses offered by the NanoSim consortium, (ii) the main channels available for user feedback, as well as (ii) the results of feedback studies so far.

1.1 Document identification

Document Identification	ACADEMICTRAININGFEEDBACK_M18		
Author(s)	Stefan Radl		
Reviewers	DCS		
Manager	Stefan Radl (TUG)		
Version of the Product	0.1		
Version of CAT	1.0.1		
Version of feedback form	1.0.1		

1.2 Scope

The efficient use of simulation and data analysis tools requires highly-skilled researchers and engineers that are familiar with (i) the necessary theoretical background, and (ii) the features offered by the tools. NanoSim has decided to offer academic education and training activities to meet these requirements as specified in Task 9.4 of the DoW. The courses and training web page (CAT) constitutes the central hub for this dissemination activity. CAT is embedded in the OPH-PU, i.e., the core project hosting web resource.

1.3 References

Acronym	Name						
CAT	The courses and training web page hosted on github:						
	https://github.com/NanoSim/CoursesAndTrainingPortfolio						
FEEDBACKR	A publicly available platform for the collection of user feedback						
	https://www.feedbackr.io/						
DOW	Description of Work (Work Package 9)						
OPH-PU	Online Project Hosting – Public (https://github.com/NanoSim)	and					

NanoSim - A Multi-scale Simulation-Based Design Platform for Cost-Effective CO2 Capture Processes using Nano-Structured Materials

1.4 Course Portfolio

The CAT platform has currently four subsections as shown in Figure 1: three for individual topics related to the project, and one for user feedback. Links to available online teaching material are collected on this platform in order to make it easy for potential users to access the material. For example, TU Graz hosts the relevant course on the "TeachCenter" (see Figure 2) , which allows students to not only access the course material, but also hosts a forum and links to the official syllabus.

Course Material Overview

PDF showing Overview of the Course Portfolio

Atomistic Modeling

Course Material offered by University College London (UCL)

Lagrangian Modeling

- Course Material offered by TU Graz (Austria)
- Course Material offered by DCS Computing GmbH (Austria)

Eulerian Modeling

- · Course Material offered by TU Graz (Austria)
- Useful external courses

Feedback

Link to Feedback Platform

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Figure 1. Overview of NanoSim's CAT platform.

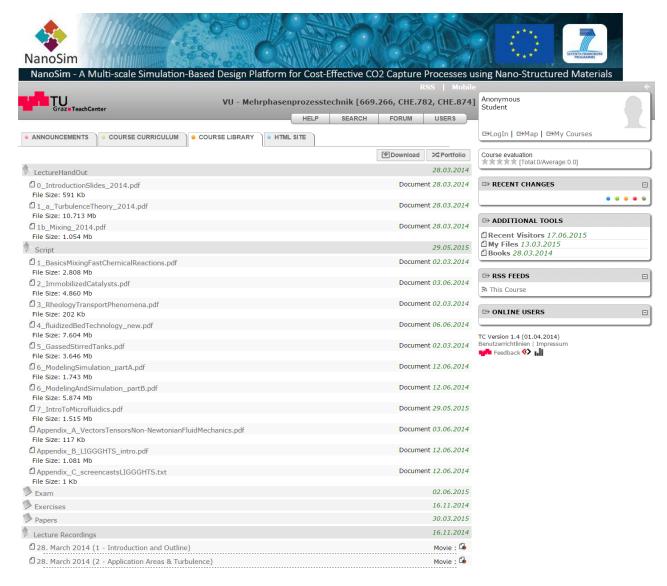


Figure 2. Snapshot of TU Graz' Teach Center (shown is the "course library that hosts the teaching material and lecture recordings).





1.5 User Feedback

The CAT platform also hosts a page that allows users to give feedback using "FEEDBACKR" (https://www.feedbackr.io/). The request for user feedback was send out to all involved partners in Task 9.4. Input from all users that have been trained by the project partners has been requested. While details about the first feedback round are collected in Chapter 2.3, the most important results of this round can be summarized as follows:

- None of the current users was informed via an industrial workshop. This suggests that such a workshop could facilitate the dissemination activities.
- The group size for training was mainly between 6 and 20, with typically 1 to 3 tutors. This seems to be adequate.
- The current quantity and quality of the training material was acceptable, with some room for improvement.
- Users were provided mainly with printed training material, however, they would prefer online training material and screencasts.
- All users are aware of the user and developer forums.

2 Appendix

2.1 Document Change Log

Date	Description	Author(s)	Comments
20.06.2015	Initial version	Stefan Radl	
02.07.2015	Review	Christoph Kloss	

2.2 Glossary

See List of definitions and abbreviations in Section 1.3

2.3 Details of User Feedback

Details are available online via:

https://github.com/NanoSim/CoursesAndTrainingPortfolio/blob/master/PDFs/2015-06-30_AcademicTrainingAndFeedback.pdf