



INDIGO – Report of Activities for the year 2021

In May 2021 partners of INDIGO meet three times, in order to prepare and submit one proposal to the funding program „Fellowships für Innovationen in der digitalen Hochschullehre (digiFellows)“. The Ministry of Culture and Science of the state of North Rhine-Westphalia and the Stifterverband awarded fellowships for innovations in digital university teaching to teachers who have worked universities in the state of North Rhine-Westphalia. The program covered three main objectives:

- Create incentives for the development and testing of digitally supported teaching and examination formats (e.g. MOOCs, flipped/inverted classroom, games, simulations, e-examinations) or the redesign of modules and study sections with the consistent use of digital technologies.
- Promote exchange on (digital) university teaching and the dissemination of the teaching innovations developed by networking the fellows
- Contribute to the consolidation of digital university teaching in the universities themselves.

All digital teaching/learning materials developed in the context of the Fellowship are to be posted on the future state wide online portal for studying and teaching in NRW (heureka.nrw) as Open Educational Resources (at least under the license CC BY-SA 4.0 DE). Especially for this call, several partners external from INDIGO have also joined this project.

In June 2022, Leon Jänicke presented our teaching project CoDiLe (Collaborative Digital Learning) at the IAHR World Congress in Granada, Spain. You can find the presentation and more information [here](#).

The partners also discussed the advantages of just created ORCA.NRW. ORCA is a free online portal about digitally supported teaching and learning at universities. The central pillar of ORCA.nrw is open educational resources (OER). Lecturers can share their own materials with others or find open educational materials to incorporate into their lessons. Students can also use the digital learning content of the state portal to test their knowledge with online assessments and then deepen or expand it in self-study with the freely available materials.

Following our meetings, several initiatives took place, in order to digitalize the examinations at the Partners' home universities.

In the year 2021, INDIGO was composed of the following partners in Europe.

Academic Title	Last Name	First Name	Country	University	Chair/Department
Univ. Prof. Dr. habil. / M.Sc.	Leandro / Schmid	Jorge / Felix	Germany	University of Siegen	Chair of Hydromechanics and Hydraulic Engineering
PD Prof. Dr.-Ing. habil.	Bung	Daniel	Germany	University of Applied Sciences Aachen	Teaching and field of research: Hydraulic Engineering
Prof. Dr.-Ing.	Mudersbach	Christoph	Germany	Bochum University of Applied Sciences	Teaching and field of research: Hydraulic Engineering and Hydromechanics
Prof. Dr.	Helmig	Rainer	Germany	University of Stuttgart	Dept. of Hydromechanics and Modelling of Hydrosystems
Prof. Dr.-Ing. habil. / M.Sc.	Goseberg Bratz	Nils Benedik	Germany	Technical University of Braunschweig	Dept. of Hydromechanics and Coastal Engineering
Prof. Dr.-Ing. / M.Sc.	Stamm / Backhau	Jürgen / Lars	Germany	Technical University of Dresden	Chair of Hydraulic Engineering
Prof. Dr. sc. nat. ETH	Neuweiler	Insa	Germany	Leibniz University Hannover	Institute of Fluid Mechanics and Environmental Physics in Civil Engineering
Prof. Dr. / Dr.	Eiff / Dupuis	Olivier / Victor	Germany	Karlsruhe Institute of Technology	Institute for Hydromechanics
Prof. Dr. / M.Sc.	Rüther / Dallmeier	Nils / Antonia	Germany	Technical University of Munich	Lehrstuhl für Wasserbau und Wasserwirtschaft
J.-Prof. Dr.-Ing.	Arns	Arne	Germany	University of Rostock	Professorship for Coastal Protection and Coastal Dynamic
Univ. Prof. Dr.-Ing. habil.	Oertel	Mario	Germany	Helmut Schmidt University Hamburg	Chair Hydraulic Engineering
Dr.-Ing. habil.	Müller	Uwe	Germany	Technical University of Dresden	Member of the Chair of Soil Mechanics and Foundation Engineering
Prof. Dr.	Jüpner	Robert	Germany	Technical University of Kaiserslautern	Chair of Hydraulic Engineering
Prof. Dr.	Habersack	Helmut	Austria	University of Natural Resources and Life Sciences (BOKU) Vienna	Institute of Hydraulic Engineering and River Research (IWA)
Prof. Dr.-Ing.	Aufleger	Markus	Austria	University of Innsbruck	Infrastructure - Hydraulic Engineering
Prof. PhD	Blanckaert	Koen	Austria	Technical University of Vienna	Chair of Hydraulic Engineering and Environmental Hydromechanics
Prof. Dr.	Zenz	Gerald	Austria	Technical University of Graz	Institute Hydraulic Engineering and Water Resources Management
Prof. Dr. / M.Sc.	Boes / Sperger	Robert Katarina	Switzerland	Eidgenössische Technische Hochschule (ETH) Zürich	Laboratory of Hydraulics, Hydrology and Glaciology