

Curriculum Vitae of Dr. Daniel Odermatt

PERSONAL DETAILS

Academic titles: Dr. sc. nat., Dipl. Geogr.
Nationality: Swiss
Born: 2.12.1978
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Lab homepage: <https://www.eawag.ch/en/department/surf/main-focus/remote-sensing/>
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EDUCATION

2/2021-6/2021 CAS Leadership in Science, awarded by the University of Applied Sciences and Arts, Northwestern Switzerland, 30.6.2021
10/2006 – 8/2011 PhD in natural science: “Spaceborne inland water quality monitoring”, awarded by the University of Zurich, Switzerland, supervised by Prof. Dr. M. E. Schaepman, 30.3.2012
10/1999 – 6/2005 Diploma in geography: “Analysis of the directional reflectance properties of snow”, awarded by the University of Zurich, Switzerland, 30.6.2005

PROFESSIONAL APPOINTMENTS

Since 12/2022 Tenured group leader, Remote Sensing group, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Dübendorf, Switzerland
04/2018 – 11/2022 Group leader tenure track, Remote Sensing group, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Dübendorf, Switzerland
07/2014 – 12/2018 Managing director, Odermatt & Brockmann GmbH, Zurich, Switzerland
7/2012 – 11/2016 Research associate (10%), Aquatic Physics group, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Kastanienbaum, Switzerland
7/2012 - 6/2014 Marie Curie IAPP postdoctoral researcher, Dr. Carsten Brockmann, Brockmann Consult GmbH, Geesthacht, Germany
10/2011 – 6/2012 Postdoctoral researcher (50%), Aquatic Physics group, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Kastanienbaum, Switzerland
10/2011 - 6/2012 Head of science division, NPOC Swiss National Point of Contact (50%), Remote Sensing Laboratories, University of Zurich, Switzerland
5/2006 – 8/2011 Research assistant, Remote Sensing Laboratories, University of Zurich, Switzerland

VOLUNTARY APPOINTMENTS

Associate Editor International Journal of Applied Earth Observation and Geoinformation
Journal reviewer Advances in Space Research, Algorithms, Environmental Engineering Service, International Journal of Applied Earth Observation and Geoinformation, Journal of Atmospheric and Solar-Terrestrial Physics, Journal of Great Lakes Research, Limnologica, Remote Sensing, Remote Sensing of Environment, Sensors
Project reviewer Copernicus Global Land Service (EC/ESA), National Aeronautics and Space Administration (NASA, United States), National Science Centre (NCN, Poland), German Research Foundation (DFG)

FUNDS ACQUIRED FOR EAWAG GROUP

Year	Project	Funding source	Role	Volume (€)
2022	Defining water resources Safe Operating Space in a changing climate and society	Horizon Europe	Partner	448'000
2021	Monitoring Lake Primary Production using the PACE satellite	Swiss National Science Foundation (SNSF)	Leader	686'000
2021	BIOMONDO	European Space Agency (ESA)	Partner	100'000
2021	AlpLakes	European Space Agency (ESA)	Partner	150'000
2021	AlpGlacier	European Space Agency (ESA)	Partner	45'000
2020	Global remotely sensed phenology	Eawag/WSL BGB phase 1	Leader	100'000
2020	Climate change Related Ecosystem Shifts in Lakes	European Space Agency (ESA) CCI Fellowship	Host	105'000
2019	Hyperspectral retrieval of stratification in aquatic systems	Eawag discretionary funding	Leader	120'000
2019	Alpine Water Extent and Lake Level Monitoring in Switzerland (monitoring part)	Federal Office of the Environment (FOEN)	Leader	80'000
2019	Alpine Water Extent and Lake Level Monitoring in Switzerland (conception part)	GCOS Switzerland, Meteoswiss	Leader	120'000
2018	Whiting detection and optical characterization	EPFL Limnology Center	Leader	38'000
			<i>TOTAL</i>	<i>1'992'000</i>

SUPERVISED PHD STUDENTS

Jonas Wydler	“Estimating aquatic primary production with hyperspectral remote sensing”, University of Zurich (UZH), since 2022, Prof. Alexander Damm (UZH)
Remika Gupana	“Remote sensing of sun-induced fluorescence in optically complex waters”, University of Zurich (UZH), since 2018, Prof. Alexander Damm (UZH)
Désirée Ruppen	“How bottom-up and top-down monitoring strategies impact social accountability for mining-related pollution in Zimbabwe”, Swiss Federal Institute of Technology, Zurich (ETHZ), 2018-2022, Prof. Bernhard Wehrli (ETHZ), Dr. Fritz Brugger (ETHZ)
Mortimer Werther	“Optical-biogeochemical dynamics of oligotrophic lakes”, University of Stirling (USTIR), 2018-2022, Dr. Evangelos Spyarakos (USTIR), Dr. Stefan Simis (Plymouth Marine Laboratories), Prof. Andrew Tyler (USTIR)
Vincent Nouchi	“Inland water remote sensing from hyperspectral imagers”, Swiss Federal Institute of Technology, Lausanne (EPFL), 2014-2018, Prof. Alfred Wueest (EPFL, Eawag), Dr. Damien Bouffard (EPFL, Eawag)

TEACHING CURRICULUM

ENV425: “Limnology”, one lecture and one practical, ~10 students, Swiss Federal Institute of Technology, Lausanne, Switzerland, since 2018

GEO442: “Advanced remote sensing IVb, Spectroradiometry and imaging spectrometry”, two lectures and two practicals, ~20 students, University of Zurich, Switzerland, since 2018

GEO374: “Remote sensing of water systems”, one lecture, ~30 students, University of Zurich, Switzerland, since 2018

GEO442: “Advanced remote sensing IVb, Spectroradiometry and imaging spectrometry”, one lecture, ~20 students, University of Zurich, Switzerland, autumn semester 2008

GEO214.2: “Exercises remote sensing I”, one lecture and three practicals, ~120 students, University of Zurich, Switzerland, autumn semester 2006

GEO442: “Advanced remote sensing IVb, Spectroradiometry and imaging spectrometry”, tutor, ~20 students, University of Zurich, Switzerland, spring semester 2004