

Curriculum Vitae Christine Weber (May 2024)

Contact details

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1. Employment Record

3. 2013 - Group leader “River Restoration” and program leader “Swiss Rivers Program” at the Swiss Federal Institute of Aquatic Science and Technology (Eawag); tenured since 11.2017
2. 2016 - Lecturer ETH Zurich, Master’s degree program in Environmental Engineering
8. 2014 - Lecturer ETH Zurich, Bachelor’s degree program in Environmental Sciences
8. 2012 – 2. 2013 Scientific collaborator at the Cantonal Office for Civil Engineering in Fribourg (river restoration planning)
5. 2012 – 6. 2012 Online editor for tschau.ch, an information platform for young people (topic: biodiversity, nature conservation, climate change)
3. 2010 – 2. 2012 Postdoctoral fellow with Prof. Dr. Christer Nilsson at the Landscape Ecology Group, Umeå University, Sweden. Granted by Swiss National Science Foundation (first year) and Kempe Foundation, Sweden (second year)
11. 2006 – 12. 2009 Scientific collaborator at the Swiss Federal Institute of Aquatic Science and Technology (Eawag), Department ‘Fish Ecology and Evolution’
11. 2007 – 12. 2009 Co-coordinator of the Swiss Modular Stepwise Procedure (River Assessment). www.modul-stufen.konzept.ch
11. 2006 – 10. 2007 Development of a concept for a long-term monitoring of fish assemblages in Swiss rivers. Pilot study on behalf of the Federal Office for the Environment, Berne
6. 2002 – 10. 2006 Ph.D. in Environmental Science at the Swiss Federal Institute of Aquatic Science and Technology (Eawag) and the Swiss Federal Institute of Technology Zurich (ETH)
6. 2002 – 12. 2005 Member of the Working Group ‘Project Assessment’ within the Rhone-Thur river rehabilitation project of Eawag, WSL, VAW, LCH. www.rivermanagement.ch
12. 2001 – 5. 2002 Scientific assistant at the Swiss Federal Veterinary Office, Department ‘Vollzugsunterstützung’ (implementation support)
10. 2001 – 11. 2001 Internship at the Swiss Federal Research Station for Agroecology and Agriculture, Research Group ‘Evaluation Ökomassnahmen’ (evaluation of ecological measures)
9. 2001 Internship at the Swiss Federal Institute for Forest, Snow and Landscape Research (WSL), Research Unit ‘Biodiversity’
8. 2000- 7. 2001 Internship at the Swiss Federal Veterinary Office, Department ‘Bewilligungen und Kontrollen’ (permits and supervision)

2. Education

6. 2002 – 10. 2006 Ph.D. in Environmental Science at the Swiss Federal Institute of Aquatic Science and Technology (Eawag) and the Swiss Federal Institute of Technology Zurich (ETH).
Title: River rehabilitation and fish – The challenge of initiating ecological recovery.
Supervision: Prof. Dr. Alexander J. B. Zehnder (ETH Zurich, Switzerland), Dr. Armin Peter (Eawag, Switzerland) and Prof. Dr. Jan Heggenes (Telemark College, Norway).
- 1999 - 2000 Master of Science thesis in Biology at the Swiss Federal Institute for Forest, Snow and Landscape Research (WSL) and the University of Berne, Switzerland.
Translated title: Long-term monitoring of physiological activity and transplantation of *Bactrospora dryina*: a contribution to the conservation of a rare lichen species.
Supervision of PD Dr. Christoph Scheidegger (WSL, Switzerland).
- 1995 - 2000 Master of Science degree in Biology at the University of Berne, Switzerland.

3. Research Grants

- 11.2021 – 4. 2023 Project “Elaborating outreach products within the Riverscape project (2017-2021)”. Eawag internal funding. Main applicant.
- 1.2022 – 12.2026 Project “Resilient rivers – stepping stones, refugia, connectivity”. Funding: Federal Office for the Environment, Berne. Project partners: VAW-ETHZ, PLCH-EPFL, WSL. Co-applicant. Main applicant: Dr. David Vetsch, VAW-ETHZ.
6. 2022 – 5. 2023 Project „Hydropeaking Mitigation – Synergies between Science and Practice 2.0”. Funding: Federal Office for the Environment, Berne. Main applicant.
- 8.2021 – 12.2022 Project “Data management for monitoring and evaluation of river restoration”. Funding: Federal Office for the Environment, Berne. Main applicant.
- 9.2020 – 12.2024 Project “River restoration – cross-project learning and development”. Funding: Federal Office for the Environment, Berne. Main applicant.
4. 2020 – 2. 2021 Project “Morphologische Begleitmassnahmen zur Sanierung von Schwall-Sunk”. Funding: Federal Office for the Environment, Berne. Co-applicant. Main applicant: Dr. Nico Bätz, Eawag.
3. 2020 – 1. 2022 Project “Eingrenzung der hydraulischen Verhältnisse zur Bewertung des Indikators «Invertebraten-Drift» für die Sanierung Schwall-Sunk”. Funding: Federal Office for the Environment, Berne. Co-applicant. Main applicant: Dr. Nico Bätz, Eawag.
10. 2020 – 9. 2024 Project “HistoRiCH: Historical river change – Planning for the future by exploring the mapped past”. Funding: Swiss National Science Foundation. Project Partners: ETHZ, ZHAW, Eawag. Co-applicant. Main applicant: Prof. Dr. Lorenz Hurni, ETHZ.
6. 2018 – 2. 2020 Project “River restoration – learning from the implementation for the future”. Funding: Federal Office for the Environment, Berne. Main applicant.
1. 2018 – 12. 2020 Small Flex - Demonstrator for flexible small hydropower plants. Funding: Swiss Federal Office of Energy, Berne. Project partners: ETHZ, EPFL, WSL, HES. Co-applicant. Main applicant: Dr. Cecile Münch-Alligné, HES.
8. 2017 – 7. 2021 Project „Hydropeaking Mitigation – Synergies between Science and Practice”. Funding: Federal Office for the Environment, Berne. Main applicant.
3. 2017 – 2. 2021 Swiss Rivers Program – Second Phase. Funding: Federal Office for the Environment, Berne. Main applicant.
1. 2017 – 12. 2021 Project “Riverscapes – Sediment dynamics and connectivity”. Funding: Federal Office for the Environment, Berne. Project partners: ETHZ-VAW, EPFL-LCH, WSL. Co-applicant. Main applicant: Prof. Dr. Christoph Scheidegger, WSL.
1. 2018 – 12. 2020 Project “Effects of hydropower exploitation on spatio-temporal variability of temperature in downstream rivers”. Eawag Ad-Hoc Funding (Matching Funds). Co-applicant. Main applicant: Dr. Martin Schmid, Eawag.
1. 2017 – 12. 2020 Swiss Competence Centre for Energy Research “Supply of Electricity (SCCER-SoE)” – Second Phase. Funding: Commission for Technology and Innovation. Project partners: ETHZ, EPFL, UniBE, UniL, UniGE, UniNE, Università della Svizzera Italiana, PSI, WSL, HSLU, HES, HSR. Co-applicant. Main applicant: Prof. Dr. Domenico Giardini, ETH Zurich.
6. 2015 – 7. 2017 Project “Re-establishing sediment dynamics and ecosystem functioning in rivers: Elaborating transfer products within the project “Sediment and Habitat Dynamics” (funded by FOEN, 2013-2017)”. Eawag Ad-Hoc Funding (Matching Funds). Main applicant.
4. 2015 – 6. 2017 Project “Evaluating the success of river rehabilitation – towards an efficient use of resources”. Funding: Federal Office for the Environment, Berne. Main applicant.
1. 2014 – 12. 2016 Swiss Competence Centre for Energy Research “Supply of Electricity (SCCER-SoE) – First Phase. Funding: Commission for Technology and Innovation. Project partners: ETHZ, EPFL, UniBE, UniL, UniGE, UniNE, Università della Svizzera Italiana, PSI, WSL, HSLU, HES, HSR. Co-applicant. Main applicant: Prof. Dr. Domenico Giardini, ETH Zurich.
11. 2013 – 12. 2014 Project „Modelling fish habitat dynamics in hydropeaking rivers considering different morphology and habitat preference – current state, needs for improvement, and guidelines for application“. Funded by the Hydropower Research Program of the Swiss Federal Office of Energy, Berne. Project partners: SJE Ecological Engineering, Stuttgart. Main applicant.
7. 2013 – 6. 2017 Project “Sediment and habitat dynamics”. Funding: Federal Office for the Environment, Berne. Project partners: ETHZ-VAW, EPFL-LCH, WSL. Co-applicant. Main applicant: Prof. Dr. Christoph Scheidegger, WSL.

- 3. 2011 – 2. 2012 Postdoctoral fellowship offered from Kempe Foundations, Sweden.
- 3. 2010 – 2. 2011 Fellowship for prospective researchers offered from Swiss National Science Foundation.

4. Team

Members of the River Restoration Group

| | |
|--------------------|------------------------------------|
| 2.2024 – 7. 2024 | Maïva Brunnberg, Trainee |
| 2.2024 – 8.2024 | Tara Behnsen, Scientific assistant |
| 2.2023 – 1.2027 | Chantal Hischier, PhD student |
| 1. 2021 – | Christian Dinkel, Technician |
| 10. 2020 – 9. 2024 | Marta Antonelli, Postdoc |
| 6. 2018 – 12. 2024 | Lucie Sprecher, Project Scientist |
| 9. 2017 – 5. 2026 | Nico Bätz, Project Scientist |

Alumni

| | |
|--------------------|---|
| 4.2023 – 9.2023 | Tara Behnsen, Trainee |
| 8.2022 – 10.2022 | Georg Odermatt, Civil servant |
| 2.2022 – 9.2022 | Livia Estermann, Master's student |
| 1.2020 – 1. 2022 | Nathalie Friese, Scientific assistant |
| 9.2021 – 3. 2022 | Jan Windmüller, Bachelor's student |
| 2.2021 – 4.2021 | Franziska Fechner, Trainee |
| 4. 2020 – 3. 2021 | Karen Isabeles Deniz, Trainee/ Master's student |
| 4. 2018 – 11. 2020 | Kate Mathers, Postdoc |
| 4. 2019 – 1. 2020 | Jonathan Molina, Scientific assistant |
| 9. 2019 – 12. 2019 | Nicole Schöni, Bachelor's student |
| 6. 2019 – 9. 2019 | Eric Tharmalingam, Trainee |
| 5.2019 – 12.2019 | Nathalie Friese, Trainee/ Master's student |
| 3. 2019 – 2. 2020 | Nikolina Janjic, Master's student |
| 4. 2019 – 6. 2019 | Esther Leitgeb, Master's student/ Scientific assistant |
| 8. 2018 – 2. 2019 | |
| 3. 2019 – 5.2019 | Pierre Chanut, Scientific collaborator |
| 12. 2014 – 4. 2019 | Katharina Lange, Postdoc |
| 8. 2018 – 1. 2019 | Simone Jola, Civil servant |
| 2. 2017 – 4. 2018 | Lisa Wilmsmeier, Scientific assistant (in collaboration with M. Schmid) |
| 2. 2018 – 4. 2018 | Lioba Rath, Trainee |
| 8. 2018 – 1. 2019 | Samuel Sieder, Trainee/ Scientific Assistant |
| 2. 2018 – 4. 2018 | |
| 8. 2017 – 2. 2018 | Jennifer Rieger, Trainee/ Bachelor's student |
| 1. 2017 – 2. 2017 | |
| 9. 2017 – 3.2018 | Isabelle Ambord, Master's student |
| 6. 2017 – 9. 2017 | Severin Caluori, Trainee |
| 10. 2015 – 2.2018 | Ulrika Åberg, Project Scientist |
| 9. 2016 – 8.2017 | Franziska Ackermann, Master's student |
| 8. 2014 – 12. 2016 | Clemens Trautwein, Postdoc (in collaboration with J. Brodersen) |
| 6. 2016 – 7. 2016 | Petra Nobs, Master's student |
| 4. 2016 – 7. 2016 | Raquel Arias Font, Master's student |
| 2. 2015 – 7. 2015 | Yvonne Kahlert, Trainee/ Scientific Assistant |
| 9. 2015 – 2. 2016 | |
| 8. 2014 – 9. 2015 | Alvaro Baumann y Carmona, Master's student (co-supervision with C. Trautwein) |
| 3. 2014 – 9. 2014 | Emilie Hanus, Trainee/ Master's student |
| 12. 2013 – 2. 2015 | Julian Junker, Scientific collaborator |

5. Mentoring/ Supervision

PhD studies:

- 2023-2027 Chantal Hirschier (ETH Zurich, Switzerland; co-supervision with Prof. Dr. Christoph Vorburger and Dr. Nico Bätz). Habitat heterogeneity and river ecosystem resilience – The relevance of aquatic refugia from floods
- 2018 – 2022 Carmen Kowarik (ETH Zurich, Switzerland; co-supervision with Dr. Chris Robinson). Cross-ecosystem linkages - anthropogenic impacts on subsidy transfer from streams to riparian zones by emergent aquatic insects
- 2010 – 2015 Lovisa Lind (Umeå University, Sweden; co-supervision with Prof. Dr. Christer Nilsson). Breaking the ice – effects of ice formation and winter floods on vegetation along streams

Master's studies/ Bachelor's studies/ Diploma:

- 2.2024 – 9.2024 Jonas Steiner (MSc thesis, ETH Zurich; co-supervision with Dr. Nico Bätz, Dr. Luiz G.M. Silva). Combining the Riverine Organism Drift Imager with a portable flume: A novel way to study macroinvertebrate drift in situ under experimental hydropeaking conditions at high temporal resolution
- 2.2022 – 9.2022 Livia Estermann (BSc thesis. ETH Zurich). Longitudinal variation in cover availability – Comparison of two near-natural streams
- 9.2021 – 3. 2022 Jan Windmüller (BSc thesis. ETH Zurich; co-supervision with Dr. Nico Bätz). Invertebrate biomass and head width in drift samples under hydropeaking flow conditions – does size matter?
- 8.2020 – 3.2021 Karen Isabeles Deniz (MSc thesis. University Duisburg-Essen, Germany, and Radboud University, The Netherlands; co-supervision with Dr. Nico Bätz, Prof. Dr. Toine Smits, Prof. Dr. Christian Feld). The influence of hydraulic conditions on riverbed particle mobilisation
3. 2020 – 11. 2020 Lena Strini (BSc thesis. ETH Zurich, Switzerland; co-supervision with Dr. N. Bätz). Comparing organic matter drift and invertebrate drift in a riffle and pool habitat of a hydropeaking river
- 3.2020 – 10.2020 Robin Schroff (MSc thesis. TU Munich, Germany, and EPF Lausanne, Switzerland; Co-supervision with Christian Mörtl, Julian Brosda, Dr. Giovanni de Cesare, Prof. Karl Deindl). Eco-morphological evaluation of a residual flow reach restoration measure
9. 2019 – 12. 2019 Nicole Schöni (BSc thesis. ETH Zurich, Switzerland; co-supervision with Dr. N. Bätz). A proxy for monitoring invertebrate drift in hydropeaking rivers
8. 2018 – 2. 2019 Esther Leitgeb (MSc thesis. University Duisburg-Essen, Germany, and Radboud University, The Netherlands; co-supervision with Dr. Nico Bätz, Prof. Dr. André Nieman, Prof. Dr. Toine Smits). Effects of hydropeaking on physical habitats.
9. 20.17 – 2. 2019 Jonathan Molina (MSc thesis. University of Lausanne, Switzerland; co-supervision with Prof. Stuart Lane and Dr. Katharina Lange). L'impact des petites centrales hydroélectriques au fil de l'eau sur l'habitat fluvial.
12. 2017 – 2. 2018 Jennifer Rieger (BSc thesis. Zurich University of Applied Sciences ZHAW; co-supervision with Dr. Michael Döring). Ecological effects of small-scale run-of-river hydropower plants.
9. 2017 – 4. 2018 Anita Bianchi (MSc thesis. ETH Zurich, Switzerland; co-supervision with C. Rachelly). Analyse ausgewählter Objekte des Bundesinventars der Auengebiete von nationaler Bedeutung.
9. 2016 – 8. 2017 Franziska Ackermann (MSc thesis. University of Basel; co-supervision with Prof. Dr. B. Baur). Effects of bed load dynamics on growth of trout *Salmo trutta* in alpine streams
6. 2016 – 7. 2016 Petra Nobs (MSc thesis. Amsterdam University, The Netherlands; co-supervision with Prof. Dr. Piet Verdonschot). Evaluating the long-term effects of river restoration. State of research
4. 2016 – 7. 2016 Raquel Arias Font (MSc thesis. Utrecht University, The Netherlands; co-supervision with Prof. Dr. Jos Verhoeven). Assessing river restoration success from a functional perspective: the potential of functional indicators
8. 2014 – 9.2015 Alvaro Baumann y Carmona (MSc thesis. University of Zurich, Switzerland; co-supervision with Dr. C. Trautwein). The effects of altered sediment regimes on Brown Trout *Salmo trutta* and their diet
3. 2014 – 9. 2014 Emilie Hanus (MSc thesis. Université François-Rabelais, Tours, France). Rivers in protected areas in Switzerland – distribution, ecological status and management
- 2006 / 2007 Lorenzo Rovelli (Diploma thesis. ETH Zurich, Switzerland). Erfolgskontrolle bei Fliessgewässerrevitalisierungen - Räumliche Anwendung ausgewählter Indikatoren zur Überprüfung ihrer Aussagekraft und Praxistauglichkeit

CAS Studies (Certificate of Advanced Studies):

2. 2022 – 8. 2022 Christa Gufler (CAS study within the CAS course «Gewässerrenaturierung»; Zürcher Hochschule für Angewandte Wissenschaften). Wirkungskontrolle Revitalisierung der Oberen Lorze bei Baar - Indikator-Set 1 - Habitatvielfalt
4. 2020 – 9. 2020 Corinna von Kürthy (CAS study within the CAS course «Gewässerrenaturierung»; Zürcher Hochschule für Angewandte Wissenschaften). Wirkungskontrolle VERTIEFT – La Trame.

Other:

12. 2022 – 12. 2023 Izabel Engström (Matura thesis, Kantonsschule Alpenquai). Impacts of river restoration on Steinbach and Dorfbach, Horw (LU)

6. Presentations at international meetings

Bätz, N., Judes, C., Vanzo, D., Capra, H., Lamouroux, N., **Weber, C.** Nervous habitats: the effects of hydropeaking on habitat dynamics. 40th IAHR World Congress. Vienna, Austria. August 21-25, 2023 (oral presentation).

Vetsch, D., Belser, A., DeCesare, G., Fink, S., **Weber, C.** Resilient rivers – interdisciplinary research on refugia, connectivity and stepping stones. 40th IAHR World Congress. Vienna, Austria. August 21-25, 2023 (oral presentation).

Weber, C. Aquatic refugia – safe havens during disturbance. Seminar. University of Lyon/ INRAE. October 4, 2022 (oral presentation).

Bätz, N., Judes, C., Vanzo, D., **Weber, C.** Nervous habitats: effects of hydropeaking on habitat persistency at the patch scale. Fourth international conference on integrated sciences and sustainable development of rivers. Lyon, France. July 4-7, 2022 (oral presentation).

Sprecher, L., Thomas, G., **Weber, C.** Challenges and opportunities of using adaptive monitoring in river restoration in Switzerland. Fourth international conference on integrated sciences and sustainable development of rivers. Lyon, France. July 4-7, 2022 (poster).

Mathers, K.L., Robinson, C.T., **Weber, C.**, Wood, P.J. The importance of substrate heterogeneity for ecological diversity. International Symposium for Bedload Management. Interlaken, Switzerland. November 8-10, 2021 (oral presentation).

Mathers, K.L., Robinson, C.T., **Weber, C.** Ecological and sedimentological effects of an experimental flood. Annual Meeting of the British Ecological Society. Belfast, Northern Ireland. December 10-13, 2019 (oral presentation).

Mathers, K.L., Robinson, C.T., **Weber, C.** Ecological and sedimentological effects of an experimental flood. SEFS Symposium for European Freshwater Sciences. Zagreb, Croatia. June 30 – July 5, 2019 (oral presentation).

Sprecher, L., Baumgartner, S., Thomas, G., Haertel-Borer, S., **Weber, C.** Learning by doing in river restoration: easy to say, but difficult to apply. Symposium for European Freshwater Sciences. Zagreb, Croatia. June 30 – July 5, 2019 (oral presentation).

Aksamit, C., Mathers, K., **Weber, C.**, Schmid, M. Ebb and flow: macroinvertebrate resilience to varying hydropeak frequency. Symposium for European Freshwater Sciences. Zagreb, Croatia. June 30 – July 5, 2019 (oral presentation).

Vanzo, D., Doering, M., **Weber, C.**, Schmid, M. The influence of hydropower production on river thermal heterogeneity: A modelling approach. General assembly of the European Geosciences Union. Vienna, Austria. April 7 – 12, 2019. (poster)

Weber, C. Comparing apples and oranges? Accounting for project diversity in monitoring and evaluation programs for river restoration. Third international conference on integrated sciences and sustainable development of rivers. Lyon, France. June 4-8, 2018 (oral presentation).

Bätz, N., **Weber, C.** Hydropeaking mitigation in Switzerland: collaborative learning between research and practice. Third international conference on integrated sciences and sustainable development of rivers. Lyon, France. June 4-8, 2018 (poster).

Thomas, G., Åberg, U., **Weber, C.** Towards a collaborative learning in river restoration in Switzerland. Third international conference on integrated sciences and sustainable development of rivers. Lyon, France. June 4-8, 2018 (poster).

Lange, K., Meier, P., Trautwein, C., Schmid, M., Robinson, C., **Weber, C.**, Brodersen, J. Small is beautiful? Trading-off small hydropower, ecology and evolution. Symposium for European Freshwater Sciences. Olomouc, Czech Republic. July 2-7, 2017 (oral presentation).

Trautwein, C., **Weber, C.** Ecological structure and function in alpine rivers along a gradient of sediment dynamics. DGL/SIL Tagung, Vienna, Austria. October 26-30, 2016 (oral presentation).

Weber, C. Towards a Sustainable Management of Swiss Rivers – The Role of Transdisciplinary Research. Workshop “Dialogue between the Water Framework Directive and the Flood Directive” organized by the Alpine Convention. Munich, Germany, September 17-18, 2015 (oral presentation).

Trautwein, C., **Weber, C.**, Lange, K., Baumann y Carmona, A., Brodersen, J. Fish like “The Rolling Stones”. Symposium for European Freshwater Sciences. Geneva, Switzerland. July 5-10, 2015 (oral presentation)

Weber, C., Robinson, C. Schweizer Fließgewässer im Spannungsfeld zwischen Schutz und Nutzung. Fachtagung Ökohydraulik – Leben im, am und mit dem Fluss. Obernach, Germany. June 27-28, 2013 (oral presentation).

Weber, C., Nilsson, C. Fish in icy streams: and yet they move. 2nd Biennial Symposium of the International Society for River Science ISRS, Berlin, Germany. August 8-12, 2011 (oral presentation).

Peter, A., Hostmann, M., Roulier, C., **Weber, C.**, Woolsey, S. River restoration - the long way to success. 4th ECCR International Conference on River Restoration, Venice, Italy. June 16 – 21, 2008 (oral presentation).

Weber, C., Fette, M., Wehrli, B., Peter, A. Hydropower production and river rehabilitation: A case study on an alpine river. 2nd Young Scientist Conference on Interdisciplinary Mountain Research, Trafoi, Italy. September 29 - October 2, 2004 (poster).

Weber, C., Paulmier, E., Zanini, F. Evolution de la qualité écologique des paysages de la plaine du Rhône sur la base d'une analyse spatiale de cartes historiques. Premier Colloque Mémoires du Rhône, Bramois, Switzerland. December 10, 2004 (oral presentation).

Zanini F., **Weber C.**, Paulmier, E., Schlaepfer R. The temporal development of ecological quality in a riverine landscape: A tool to define priority areas for rehabilitation. Our Shared Landscape – Integrating ecological, socio-economic and aesthetic aspects in landscape planning and management, Ascona, Switzerland. May 3 – 7, 2005 (oral presentation).

7. Presentations at national meetings and seminars

Weber, C. Practice-oriented river research – supporting evidence-based river management. Seminar. SUPSI, Mendrisio. October 26, 2023 (oral presentation).

Weber, C. Collaborer pour protéger contre les crues. Eawag Info Day. Lausanne, Switzerland. September 14, 2023 (oral presentation).

Weber, C., Sprecher, L. Aktuelles aus der Wirkungskontrolle Revitalisierung. 11. Informations- und Erfahrungsaustausch Gewässerrevitalisierung. WaterAgenda 21. Berne, Switzerland. May 30, 2023 (oral presentation).

Weber, C. Fazit. Fachtagung "11 Jahre Renaturierung der Gewässer". WaterAgenda 21. Solothurn, Switzerland. August 24, 2022 (oral presentation).

Weber, C., Sprecher, L. Aktuelles aus der Wirkungskontrolle Revitalisierung. 10. Informations- und Erfahrungsaustausch Gewässerrevitalisierung. WaterAgenda 21. Zurich, Switzerland. June 9, 2022 (oral presentation).

Weber, C.: Revitalisieren, aufwerten, lernen! Wirkungskontrollen mit Wirkung in der Revitalisierung unserer Gewässer. AquaViva Wasserzirkel, Hagneck, Switzerland. March 31, 2022 (oral presentation).

Weber, C., Sprecher, L. Wirkungskontrollen mit Wirkung: Anforderungen an ein schweizweit einheitliches Vorgehen. UNA-Tour. Zoom. April 29, 2021 (oral presentation).

Weber, C., Rachely, C. Mathers, K., Vetsch, D., Weitbrecht, V. Refugien – (Über)Lebensräume in Fließgewässern. Sanierung Geschiebehalt – 4. Informations- und Erfahrungsaustausch zur Planung und Umsetzung von Massnahmen. WaterAgenda 21. Zoom. November 12, 2020 (oral presentation).

Weber, C., Sprecher, L., Thomas, G. Baumgartner, S., Haertel-Borer, S. Die Wirkungskontrolle von Fließgewässerrevitalisierungen ab 2020. Informationsveranstaltung für kantonale Fachstellen. WaterAgenda 21. Sargans/ Olten/ Lausanne/ Lucerne, January 14/ 23/ 27/ 30, 2020 (oral presentation).

Sprecher, L., Weber, C., Thomas, G. Baumgartner, S., Haertel-Borer, S. Wirkungskontrolle in der Praxis (Vorstellung Praxisleitfaden). Forum Gewässerrevitalisierung WA21. Muttenz, Switzerland, December 5, 2019 (oral presentation).

Lange, K., Weber, C., Schmid, M. Ecological effects of small hydropower plants. SCCER-SoE Annual Conference, Lausanne, Switzerland, September 3-4, 2019 (presentation).

Aksamit, C., Vanzo, D., Carolli, M., Friese, N., Mathers, K., Weber, C., Schmid, M. Ecological impacts of small-flexible hydropower: macroinvertebrate resilience to varying frequency hydropeaking. SCCER-SoE Annual Conference, Lausanne, Switzerland, September 3-4, 2019 (poster).

Weber, C. Sanieren, revitalisieren – gemeinsam durch Planung und Umsetzung. Eawag Info Day. Lucerne, Switzerland. September 3, 2019 (oral presentation).

Weber, C. Forellen mögen die „Rolling Stones“! Die ökologische Bedeutung von Kies und Co. Naturmuseum St. Gallen, Switzerland. August 14, 2019 (oral presentation).

Thomas, G., Sprecher, L., Weber, C., Haertel-Borer, S., Baumgartner, S. Wirkungskontrolle bei Fließgewässerrevitalisierungen: Lernen für die Zukunft. Suivi des effets pour les revitalisations des cours d'eau: apprendre pour l'avenir. Revitalisierung – 6. Informations- und Erfahrungsaustausch. Plattform Revitalisierung/ WaterAgenda 21. Berne, Switzerland. November 22, 2018 (oral presentation).

Bätz, N., Weber, C. Gemeinsam lernen für die Sanierung von Schwall-Sunk. Sanierung Schwall-Sunk – 4. Informations- und Erfahrungsaustausch. Plattform Sanierung Wasserkraft/ WaterAgenda 21. Berne, Switzerland. November 6, 2018 (oral presentation).

Vanzo, D., Schmid, M., Weber, C., Döring, M. Hydropower and water temperature: modelling the effects of management scenarios on river thermal heterogeneity. SCCER-SoE Annual Conference, Horw, Switzerland, September 14-15, 2018 (poster).

Vanzo, D., Schmid, M., Weber, C., Döring, M. Hydropower and water temperature: modelling the effects of management scenarios on river thermal heterogeneity. Eawag Symposium. Dübendorf, Switzerland. September 14, 2018 (poster).

Weber, C., Ambord, I., Wilmsmeier, L., Lange, K. Small-scale hydropower plants in alpine streams – studying ecological effects across different scales. SCCER-SoE Annual Conference, Horw, Switzerland, September 14-15, 2018 (oral presentation).

Weber, C. Wirkungskontrolle Revitalisierung – Wasserbau und Ökologie/ Suivi des effets des revitalisations - Aménagement et écologie des cours d'eau. Fischereiaufseherkurs 2018. Abtwil, Switzerland. August 22, 2018 (oral presentation).

Weber, C. Die Schweizer Fließgewässer revitalisieren – Grundlagen für den gemeinsamen Lernprozess. Internal seminar Vogelwarte Sempach. Sempach, Switzerland. May 9, 2018 (oral presentation).

Weber, C. Wirkungskontrolle Revitalisierung – Oder: Die Katze im Sack? Revitalisierung – 5. Informations- und Erfahrungsaustausch. Plattform Revitalisierung/ WaterAgenda 21. Olten, Switzerland. April 24, 2018 (oral presentation).

Weber, C., Schleiss, A. Synthese aus dem Forschungsprogramm Wasserbau und Ökologie 2013–2017. Fokus: Geschlebesammler und ökologische Prozesse. KOHS-Tagung. Olten, Switzerland. March 20, 2018 (oral presentation).

Weber, C., Åberg, U. Revitalisieren, Sanieren – Lernen! Wirkungskontrollen mit Wirkung im Flussmanagement. Blaues Seminar VAW-ETHZ. Zurich, Switzerland. December 5, 2017 (oral presentation).

Weber, C., Åberg, U. Konzept Wirkungskontrolle Schweiz – Grundlagen für den Lernprozess. Symposium “Revitalisierung von Fließgewässern – Lösungsansätze für vielfältige Herausforderungen“. AG.Renat/ WaterAgenda 21. Lucerne, Switzerland. November 13, 2017.

Lange, K., Meier, P., Trautwein, C., Robinson, C., Schmid, M., **Weber, C.,** Brodersen, J. Trading off energy production from small hydropower with biodiversity conservation. SCCER-SoE Annual Conference, Birmensdorf, Switzerland, September 14-15, 2017 (oral presentation).

Weber, C., Robinson, C. Professionalizing knowledge transfer – Lessons learned within a four-year transdisciplinary research project. Eawag Symposium. Dübendorf, Switzerland. September 15, 2016 (oral presentation).

Weber, C. Aktuelle Informationen der Eawag – Programm Fließgewässer Schweiz. Forum AG.Renat/ WaterAgenda 21. Berne, Switzerland, May 11, 2017.

Weber, C. Forellen mögen die „Rolling Stones“! Die ökologische Bedeutung von Kies und Co. Symposium „Fischen Jagen Schiessen“. Chur, Switzerland, February 11, 2017 (oral presentation).

Weber, C., Trautwein, C., Martin, E., Bauman y Carmona, A., Döring, M., Robinson, C., Brodersen, J., Kahlert, Y., Lange, K. It’s one thousand four hundred and forty seven! Or: Summarizing Eawag’s research. Closure plenary meeting of the Project “Sediment and Habitat Dynamics”. Berne, Switzerland, December 2, 2016 (oral presentation).

Weber, C., Robinson, C. Promoting “The Rolling Stones” - Knowledge transfer within the transdisciplinary research project "Sediment and habitat dynamics". Eawag Symposium. Dübendorf, Switzerland. September 15, 2016 (poster).

Lange, K., Di Michelangeli, S., Kahlert, Y., Hellmann, J., Trautwein, C., **Weber, C.,** Brodersen, J. Ecological impacts of small-scale run-of-river hydropower plants. Annual Conference of the Swiss Competence Centre for Energy Research – Supply of Electricity. Sion, Switzerland, September 12-13, 2016 (poster).

Weber, C., Åberg, U. Wirkungskontrolle bei Flussrevitalisierungen - Ein Projekt von Eawag und BAFU/ Evaluer les effets des mesures de revitalisation - un projet de l'Eawag et de l'OFEV. Fischereiaufseherkurs 2016. Lausanne, Switzerland. August 19, 2016 (oral presentations).

Weber, C. Die «Rolling Stones» und andere «Altbekannte» - Aktuelle Informationen der Eawag/ Les Rolling Stones et d'autres «vieilles connaissances» - Informations actuelles de l'Eawag . Fischereiaufseherkurs 2016. Lausanne, Switzerland. August 19, 2016 (oral presentations).

Dunand, I., **Weber, C.** Revitalisation et assainissement de la force hydraulique. Informations actuelles de l'OFEV et état d'avancement du suivi des résultats national/ Revitalisierung und Sanierung Wasserkraft. Aktuelle Informationen des BAFU und Stand der nationalen Wirkungskontrolle. Annual meeting CerclEau. Lucerne, June 16, 2016 (oral presentation).

Weber, C. Programm Wasserbau und Ökologie. Sanierung Geschiebehaushalt – 2. Informations- und Erfahrungsaustausch zur Planung und Umsetzung von Massnahmen. WaterAgenda 21. Berne, Switzerland. May 4, 2016 (oral presentation).

Weber, C. Åberg, U. Die Umsetzung des GSchG unterstützen. Information event of the Swiss Water Association (Verband Schweizer Abwasser- und Gewässerschutzfachleute). Berne, Switzerland, January 15, 2016 (oral presentation).

Lange, K., Di Michelangeli, S., Kahlert, Y., Hellmann, J., Trautwein, C., **Weber, C.,** Brodersen, J. Local-scale impacts of small hydropower plants on ecosystem functioning. Annual Conference of the Swiss Competence Centre for Energy Research – Supply of Electricity. Neuchâtel, Switzerland, September 10-11, 2015 (poster).

Lange, K., Meier, P., Trautwein, C., Kobler, U., Schmid, M., Robinson, C., **Weber, C.,** Brodersen, J. Trading-off among multiple objectives: energy production from small hydropower plants, biodiversity and ecosystem services. Annual Conference of the Swiss Competence Centre for Energy Research – Supply of Electricity. Neuchâtel, Switzerland, September 10-11, 2015 (poster).

Weber, C. Renaturation des cours d'eau: entre protection et utilisation. Eawag Info Day. Lausanne, Switzerland. September 3, 2015 (oral presentation).

Weber, C. Das „Programm Fließgewässer Schweiz“ von Eawag und BAFU. Revitalisierung – 1. Informations- und Erfahrungsaustausch. AG.Renat/ WaterAgenda 21. Berne, Switzerland. May 27, 2015 (oral presentation).

Weber C. Wasserkraftnutzung im Wasserschloss Schweiz: Herausforderungen aus ökologischer Sicht. Forum für Wissen. WSL Birmensdorf, Switzerland. November 25, 2014 (oral presentation).

Weber, C. Les poissons adorent les “Rolling Stones” – Régime de charriage et fonctions écologiques. Entretien des cours d'eau pour les praticiens – cours hiver. PUSCH, Villeneuve, Switzerland. November 21, 2014 (oral presentation).

Weber, C. Synthese erster Tag. Symposium „Fischwanderung in genutzten Gewässern – Herausforderungen und Lösungen“. Biel, Switzerland. October 30 – November 1, 2014 (oral presentation).

- Weber, C., Hellmann, J.** Nach Projekten gefischt – Aktuelle Informationen der Eawag/ Pêche de projets – Informations de l'Eawag. Fischereiaufseherkurs 2014. Pontresina, Switzerland. August 22, 2014 (oral presentations).
- Weber, C.** Programm Fliessgewässer Schweiz – eine gemeinsame Forschungsinitiative von BAFU und Eawag. Meeting Steering Committee WA21. Kastanienbaum, Switzerland. April 24, 2014 (oral presentation).
- Weber, C.** The Swiss Rivers Program - A joint research initiative by BAFU and Eawag to support practical river management. Seminar SURF department, Eawag, Kastanienbaum and video transmission to Eawag Dübendorf, Switzerland. April 7, 2014 (oral presentation).
- Weber, C.** The Swiss Rivers Program - A joint research initiative by BAFU and Eawag to support practical river management. Graduate discussion FishEc department, Eawag, Kastanienbaum, Switzerland. March 26, 2014 (oral presentation).
- Weber, C.** The Swiss Rivers Program - A joint research initiative by BAFU and Eawag to support practical river management. Lunch Seminar, Eawag, Dübendorf, Switzerland. February 20, 2014 (oral presentation).
- Weber, C.** Programm Fliessgewässer Schweiz. Meeting of the Section “Morphology and Residual Flows of Surface Waters” of the Swiss Federal Office for the Environment. Berne, Switzerland. November 21, 2013 (oral presentation).
- Weber, C., Wehrli B.** Programm Fliessgewässer Schweiz – ein Forschungsprogramm von Eawag und BAFU für die Praxis. Meeting of the Swiss Hydrological Commission CHy. Berne, Switzerland. March 26, 2013 (oral presentation).
- Weber, C.** Fish in icy streams – and yet they move. Annual meeting of the Landscape Ecology Group. Vindeln, Sweden. September 30, 2011 (oral presentation).
- Weber, C., Lind, L., Nilsson, C.** Climate change and ice formation in streams: Effects on fish communities and vegetation and tools for proactive restoration. Annual meeting of the Landscape Ecology Group. Örnsköldsvik, Sweden. September 29, 2010 (oral presentation).
- Weber, C.** Ice effects on riverine fish – proposal for a two-year postdoc project. Annual meeting of the Landscape Ecology Group. Björkudden, Sweden. October 1, 2009 (oral presentation).
- Langhans, S., **Weber, C.** Das Modul-Stufen-Konzept. Annual meeting Cercl'eau. Solothurn, Switzerland. June 18, 2009 (oral presentation).
- Weber C.** Step by step to an integrated river assessment: The Swiss Modular Stepwise Procedure. Student information day (Interfakultäre Koordinationsstelle für Allgemeine Ökologie IKAÖ; University of Berne). Kastanienbaum, Switzerland. December 12, 2008 (oral presentation).
- Bundi, U., Langhans, S., **Weber, C.** Step by step to an integrated river assessment: The Swiss Modular Stepwise Procedure. Seminar Eawag Dübendorf. Dübendorf, Switzerland. December 4, 2008 (oral presentation).
- Bundi, U., Langhans, S., **Weber, C.** Step by step to an integrated river assessment: The Swiss Modular Stepwise Procedure. Seminar Eawag Kastanienbaum. Kastanienbaum, Switzerland. November 24, 2008 (oral presentation).
- Weber, C., Peter A.** Nationales Langzeit-Monitoring der Fischbestände in der Bachforellenregion der Schweizer Fliessgewässer. Federal Office for the Environment. Berne, Switzerland. November 12, 2008 (oral presentation).
- Weber, C., Langhans, S.** Modul-Stufen-Konzept: aktueller Stand und Zukunft. Annual meeting Cercl'eau. Thun, Switzerland. May 29, 2008 (oral presentation).
- Weber, C., Peter A.** A concept for a long-term monitoring of riverine fish stocks in Switzerland – with special emphasis on the trout region. Seminar of the Department Fish Ecology and Evolution. Kastanienbaum, Switzerland. March 8, 2008 (oral presentation).
- Schager, E., Peter, A. **Weber, C.** Fische Stufe F und S: Prinzip, Anwendungen, aktueller Stand, Perspektiven. Meeting Swiss Modular Stepwise Procedure. Berne, Switzerland. January 25, 2007 (oral presentation).
- Weber, C., Woolsey, S. Peter, A.** Ende gut, alles gut? Ein Werkzeug für die Erfolgskontrolle. Eawag Info Day. Zurich, Switzerland. March 8, 2006 (oral presentation).
- Weber, C., Peter A.** Fish-ecological analysis in a degraded river system - Deficits, potentials and limitations. Seminar Eawag Kastanienbaum. Kastanienbaum, Switzerland. January 2005 (oral presentation).
- Weber, C., Peter, A.** Analyse fischökologischer Defizite in der Rhone. Annual meeting of the Swiss Society for Hydrology and Limnology SGHL. La Chaux-de-Fonds, Switzerland. September 3, 2004 (oral presentation).

8. Reviewing

- Canadian Journal of Fisheries and Aquatic Sciences
- Cambridge University Press
- Ecology of Freshwater Fish
- Ecology and Society
- Ecosystems
- Ecosphere
- Fisheries Management and Ecology
- Hydrobiologia
- Hydrology and Earth System Sciences
- Journal of Environmental Planning and Management
- Methods in Ecology and Evolution
- Nature Reviews Earth & Environment
- New Zealand Journal of Marine and Freshwater Research
- North American Journal of Fisheries Management
- River Research and Applications
- Science of the Total Environment

9. Short-term academic commitments

11. 2018 Science representative at the round table discussion at the “1ère journée nationale du réseau français des sites de démonstration pour la restauration des cours d'eau ». Paris, France. November 13, 2018.
6. 2018 Invited member of the scientific commission. Third international conference on integrated sciences and sustainable development of rivers. Lyon, France. June 4-8, 2018.

10. Long-term academic commitments

7. 2015 – 8. 2018 Member of the advisory group for the research project HyApp “Hydro-ecology and Floodplain Sustainability in Application” founded by Swiss National Science Foundation in the framework of the NRP 70.
1. 2015 – 1. 2019 Member of the steering board of the SGHL (Schweizerische Gesellschaft für Hydrologie und Limnologie/ Swiss Hydrological and Limnological Society)
2. 2014 - Founder and chair of the Eawag cross-departmental working group “Swiss Rivers” with members from 12 departments and associated platforms (FIBER, WA21, Plattform Wasserqualität).

11. Workshops and conferences (co-)organised

Workshops "Informationsveranstaltung Wirkungskontrolle VERTIEFT 2025-28". BAFU/ WaterAgenda 21. Olten/ Zoom. August 28/ September 7, 2023.

Online workshops for peer-to-peer learning in river restoration ("Online-Ateliers WiKo Revitalisierung"/ "Ateliers en ligne WiKo Revit"). In collaboration with WaterAgenda 21.

| | | | |
|--------------------|--------------------|-------------------|---------------|
| September 15, 2021 | February 2, 2022 | November 2, 2022 | June 15, 2023 |
| September 29, 2021 | February 10, 2022 | November 9, 2022 | |
| November 11, 2021 | September 15, 2022 | November 16, 2022 | |
| November 17, 2021 | September 7, 2022 | June 13, 2023 | |

Workshops "Informationsveranstaltung Wirkungskontrolle VERTIEFT für kantonale Fachstellen". WaterAgenda 21. Zoom. February 11/ 18/ 25, 2021.

Workshops "Informationsveranstaltung Wirkungskontrolle Revitalisierung für kantonale Fachstellen". WaterAgenda 21. Sargans/ Olten/ Lausanne/ Lucerne, January 14/ 23/ 27/ 30, 2020.

Workshop "Anforderungen an Praxisleitfaden für Wirkungskontrolle". Revitalisierung – 6. Informations- und Erfahrungsaustausch. Plattform Revitalisierung/ WaterAgenda 21. Berne, Switzerland. November 22, 2018.

Workshop "Wirkungskontrolle Revitalisierung – Finanzierung und Organisation". Federal Office for the Environment. Olten, Switzerland. September 5, 2018.

Symposium "Citizen Science – Gemeinsam forschen und lernen in Hydrologie und Limnologie". Swiss Hydrological and Limnological Society. Zurich, Switzerland. June 11, 2018.

"Science Workshop on Hydropeaking Mitigation". Federal Office for the Environment. Berne, Switzerland, April 18, 2018

Symposium "Revitalisierung von Fliessgewässer – Lösungsansätze für vielfältige Herausforderungen". AG.Renat/ WaterAgenda 21. Lucerne, Switzerland. November 13, 2017.

Symposium "Fernerkundung – Anwendungen in Hydrologie und Limnologie". Swiss Hydrological and Limnological Society. Biel, Switzerland. September 11, 2017.

Workshop "Evaluating the outcome of river rehabilitation projects: towards an effective use of resources". Project workshop. Kastanienbaum, Switzerland. June 6-9, 2017.

Workshop "Umsetzung der Revitalisierungsplanungen – 4. Informations- und Erfahrungsaustausch". AG.Renat/ WaterAgenda 21. Berne, Switzerland. March 23, 2017.

Workshop "Umsetzung der Revitalisierungsplanungen – 3. Informations- und Erfahrungsaustausch". AG.Renat/ WaterAgenda 21. Fribourg, Switzerland. October 27, 2016.

Workshop "Evaluating the outcome of river rehabilitation projects: towards an effective use of resources". Project workshops. Kastanienbaum, Switzerland. October 4-7, 2016/ May 30 – June 2, 2017.

Workshop "National strategies for monitoring and success evaluation in river rehabilitation". Two half day workshops at the international conference "Towards the Best Practice of River Restoration and Maintenance", Krakow, Poland. September 20 – 23, 2016.

Workshop "Umsetzung der Revitalisierungsplanungen – 2. Informations- und Erfahrungsaustausch". AG.Renat/ WaterAgenda 21. Berne, Switzerland. March 3, 2016.

Workshop "Umsetzung der Revitalisierungsplanungen – 1. Informations- und Erfahrungsaustausch". AG.Renat/ WaterAgenda 21. Berne, Switzerland. May 27, 2015.

Workshop "Forecasting the outcome of hydropeaking mitigation measures: The role of fish input data and river morphology in habitat suitability modelling". Project workshop. Kastanienbaum, Switzerland. November 13-14, 2014.

Symposium „Fischwanderung in genutzten Gewässern – Herausforderungen und Lösungen". WaterAgenda 21. Biel, Switzerland. October 30 – November 1, 2014.

Cross-departmental working group "Swiss Rivers". Half-day workshops for Eawag-internal coordination and exchange. Dübendorf, Switzerland. March 13, 2014/ June 3, 2014/ August 19, 2014/ February 10, 2015/ August 11, 2015/ March 3, 2016/ March 28, 2017/ October 24, 2017/ June 19, 2018/ January 24, 2019..

Konzept Plattform Renaturierung. Half-day workshop of the WaterAgenda 21. Berne, Switzerland. November, 18, 2013

Makrophyten-Bewertung in Fliessgewässern - Diskussion Minimaldatensatz und weiteres Vorgehen. One day workshop of the working group „Macrophytes" (Swiss Modular Stepwise procedure). Berne, Switzerland. May 28, 2008.

Erfolgskontrolle bei Flussrevitalisierungen. One day workshop of the working group „Success evaluation" (Rhône-Thur Project). Zurich, Switzerland. May 30, 2005.

Introduction and Workshop on Analysis of Variance (ANOVA). One day workshop hold by Prof. W. Stahel, ETH Zurich. Kastanienbaum, Switzerland. November 24, 2004.

Lecture and Workshop on Linear Regression. One day workshop hold by Prof. W. Stahel, ETH Zurich. Kastanienbaum, Switzerland. December 5, 2003.

12. Collaboration with practitioners

2. 2022 – Project “Evaluating the outcome of river restoration”: Co-chair of the advisory group (Federal Office for the Environment, cantonal services for fishery, nature conservation and river engineering, private consultancies).
3. 2019 – 11. 2019 Project “River restoration – learning from the implementation for the future”: Co-chair of the advisory group (Federal Office for the Environment, cantonal services for fishery, nature conservation and river engineering, private consultancies).
1. 2018 – 12. 2021 Project “Riverscape – Sediment dynamics and connectivity”: Co-chair of the advisory group (Federal Office for the Environment, cantonal services for fishery, nature conservation and river engineering, NGOs).
7. 2018 - Plattform Sanierung Wasserkraft (WaterAgenda 21): Member of the steering committee (Federal Office for the Environment, cantonal authorities).
9. 2018 - Plattform Renaturierung (WaterAgenda 21): Member of the steering committee (Federal Office for the Environment, cantonal authorities, NGOs, hydropower operators).
6. 2016 – 2. 2018 Project “Evaluating the outcome of river rehabilitation projects: towards an efficient use of resources”: Co-chair of the national advisory group (Federal Office for the Environment, cantonal services for water protection and river engineering, private offices).
5. 2015 – 12. 2018 Eawag representative in the advisory group for the elaboration of a national guideline on planning sediment rehabilitation measures (“Vollzugshilfe Massnahmenplanung Geschiebesanierung”). Federal Office for the Environment.
3. 2014 – 12.2017 AG.Renat/ WaterAgenda 21: Member of the steering committee and the working group “Renaturierung der Gewässer” (Federal Office for the Environment, cantonal services, NGOs, associations).
5. 2014 - Working group “Big Picture Renaturierung”. Federal Office for the Environment.
8. 2013 – 8. 2014 WaterAgenda 21: Member of the working group “Dialog Wasserkraft” (Federal Office for the Environment, Federal office of Energy, NGOs, hydropower operators).
7. 2013 – 12.2017 Project “Sediment and habitat dynamics”: Co-chair of the advisory group (Federal Office for the Environment, cantonal services for fishery, nature conservation and river engineering, NGOs).
3. 2010 – 2. 2012 Postdoc project Umeå University: Vindeln Fiskerådet, county administration of the county of Västerbotten
11. 2007 – 12. 2009 Swiss Modular Stepwise Procedure: Member in several advisory groups (Federal Office for the Environment, cantonal services for water protection, private offices)
11. 2006 – 10. 2007 Long-term monitoring of fish communities: Co-chair of the advisory group (Federal Office for the Environment, cantonal fishery services)
- 2004 – 2006 Birs river rehabilitation project: Cantonal fishery service BL
- 2002 – 2006 Rhone-Thur Project: Cantonal administration VS; Projet R3

13. Public outreach and media coverage

Guided tours Eawag Kastanienbaum (topic: river rehabilitation/ hydropower mitigation).

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|-----------------|------------------|------------------|-------------------|
| June 17, 2015 | June 13, 2016 | May 29, 2018 | November 9, 2019* |
| August 21, 2015 | June 18-19, 2016 | November 8, 2018 | May 3, 2022 |
| June 9, 2016 | March 29, 2017 | July 4, 2019 | January 23, 2023 |

Invited presentation on “Netzwerken einmal anders: Die Bedeutung der Gewässer für Tiere, Pflanzen – und Menschen». Silberner Bruch, Zurich. March 21, 2024.

Interview on river restoration in the newspaper “Lebendige Limmat” for the Limmat restoration project. June 2024.

Podium discussion on river ecosystems at ArtFlow exhibition. Mai 2, 2024.

Interview with Radio SRF 4 on river restoration. November 30, 2023.

Public talk in the series “Forschung am See” of Eawag Kastanienbaum. Title: Achtung Hochwasser! Was heisst dies für Tiere und Pflanzen in Fließgewässern? October 17, 2023.

Eawag representation at the outreach event at the World Economic Forum in Davos (Innovations from the ETH Domain: Insights into research in the service of Switzerland) – “River restoration – a journey in time”. May 23, 2022

Three page interview together with David Vetsch from VAW-ETHZ in the magazine “Umwelt”. «Man muss die Denkweise der anderen begreifen». September 2021.

Two-page interview in the magazine „Der Beobachter“ (860'000 readers). «Die Leute fragen mich: Was heisst das für unser Trinkwasser?». May 2017.

Science representative at the 1st meeting of the «VSA Young Professionals». Solothurn, Switzerland. October 26, 2018.

Two-page interview in the magazine „Der Beobachter“ (860'000 readers). «Die Leute fragen mich: Was heisst das für unser Trinkwasser?». May 2017.

200 anniversary scnat – Swiss Academy of Sciences. Public outreach event at the fish pass at the Mühliplatz, Lucerne, Switzerland. In collaboration with Dr. A. Peter, Eawag and Dr. B. Allgöwer, Natural History Museum Lucerne. August 6, 2015.

World Fish Migration Day 2014. Public outreach event at the fish pass at the Mühliplatz, Lucerne, Switzerland. In collaboration with Dr. A. Peter, Eawag and Dr. B. Allgöwer, Natural History Museum Lucerne. May 24, 2014.

Forskarträff Umeå (in Swedish): Field day for 45 local third-graders (topics: river ice, PIT-tagging, field work).

Guided tours Eawag Kastanienbaum 2002-2009 (topics: overview Eawag, river rehabilitation, river assessment)

Mentoring program for gymnasium students (2001; 2006)

Interview Tele Basel (field work at the Birs river rehabilitation project)

14. Teaching and continuing education

- 2024 Invited lecture on “Contrôle des effets”. CAS Course “Revitalisation des cours d’eau”. HEPIA Geneva. April 13, 2024.
- 2024 PEAK-Course “Wirkungskontrolle Revitalisierung – Makrozoobenthos (V54/23)”. Dübendorf, February 14, 2024.
- 2023 Invited lecture on “Wirkungskontrolle bei Revitalisierungsprojekten”. CAS Course “Gewässerrenaturierung”. ZHAW Wädenswil. November 11, 2023.
- 2023 PEAK-Course “Wirkungskontrolle Revitalisierung–Ufervegetation (V54/23)”. Berne, January 19, 2023.
- 2022 PEAK-Course “Wirkungskontrolle Revitalisierung–Ufervegetation (V54/22)”. Berne, May 10, 2022.
- 2022 Invited lecture on “Contrôle des effets”. CAS Course “Revitalisation des cours d’eau”. heig-vd Yverdon. April 9, 2022.
- 2021 Invited lecture on “Wirkungskontrolle bei Revitalisierungsprojekten”. CAS Course “Gewässerrenaturierung”. ZHAW Wädenswil. October 29, 2021.
- 2021 PEAK-Course «Wirkungskontrolle Revitalisierung: Konzept und Habitatvielfalt» (V29/21). Dübendorf, July 6-7, 2021.
- 2021 PEAK-Course „Contrôle des effets des projets de revitalisation: concept et diversité des habitats“ (V29/21-fr). Lausanne, June 8, 2021.
- 2020 PEAK-Course „Contrôle des effets des projets de revitalisation: concept et diversité des habitats“ (B29/20-FR1). Zoom, August 17-18, 2020.
- 2020 PEAK-Course „Wirkungskontrolle Revitalisierung: Konzept und Habitatvielfalt“ (B29/20-T1). Zoom, August 25-26, 2020.
- 2019 Invited lecture on “Wirkungskontrolle bei Revitalisierungsprojekten”. CAS Course “Gewässerrenaturierung”. ZHAW Wädenswil. December 6, 2019.
- 2019 Contribution to workshop on «Erfolgskontrolle» at the VSA Course “Lebendige Gewässer”. Kandersteg, October 25, 2019.
- 2019 Invited lecture on “Suivi des effets”. CAS Course “Revitalisation des cours d’eau”. heig-vd Yverdon. April 6, 2019.
- 2019 PEAK-KOHS Course „Gestion des sédiments – synergies entre l’aménagement et l’écologie des cours d’eau“ (V46/19). EPF Lausanne, February 7, 2019
- 2017 - Invited lecture on „Wirkungskontrolle bei Flussrevitalisierungen – für einen effektiven Einsatz der Mittel“. Lecture series “Policy Analyse I: Politikprozesse und Instrumente” at University Berne, Switzerland.
- 2017 PEAK-KOHS Course „Sedimentmanagement in Fliessgewässern – Synergien zwischen Wasserbau und Ökologie“ (V46/17). Eawag, Dübendorf, November 22, 2017
- 2016 - Invited lecture on “Interactions between river morphology and organisms”. Lecture series “Eco-morphologie fluviale” in the Master’s Course «Sciences et ingénierie de l’environnement» at EPF Lausanne, Switzerland.
- 2016 - Lecture “Revitalisierung von Fliessgewässern”, ETH Zurich (in collaboration with Dr. V. Weitbrecht)
- 2015 - Lecture “Binnengewässer: Konzepte und Methoden für ein nachhaltiges Management”, ETH Zurich (in collaboration with Prof. Dr. Ch. Scheidegger and Dr. V. Weitbrecht)
- 2015 Invited lecture on “Gemeinsam lernen für ein nachhaltiges Gewässermanagement: Praxis-orientierte Forschung an Fliessgewässern“. High School Teacher Education University of Zurich – Biology Section (“Fachwissenschaftliche Vertiefung in Biologie für Lehrer”).
- 2015 - Invited lecture on “Fliessgewässerrevitalisierung und Erfolgskontrolle”. Module “Gewässerökologie und Revitalisierung” at the Zurich University of Applied Sciences - School of Life Sciences and Facility Management, Wädenswil, Switzerland.
- 2014 PEAK-Course „Methoden des Fliessgewässermanagements“ (B23/14). Eawag, October 21-22, 2014
- 2014 Lecture “Binnengewässer: Konzepte und Methoden für ein nachhaltiges Management”, ETH Zurich (in collaboration with Prof. Dr. Ch. Scheidegger and Dr. A. Peter)
- 2009 Invited lecture on “Ende gut, alles gut? Erfolgskontrolle bei Revitalisierungen von Fliessgewässern“. Module ‘Water’ at the Zurich University of Applied Sciences (ZHAW) - School of Life Sciences and Facility Management, Wädenswil, Switzerland.

- 2009 Invited lecture on “Fließgewässer bewerten: Die Ökomorphologie Stufe F”. Module “Riverwatch” at the World Wildlife Fund for Nature, Zurich, Switzerland.
- 2004 ‘Systempraktikum’ at the Thur River, ETH Zurich, Switzerland.
- 2002 - 2006 Assistance and teaching activities in diverse field courses, ETH Zurich, Switzerland.
- 1995-1997 Replacement teacher at the secondary school in Sumiswald (german, french, english, history)

15. Further training

- 2023 Media training for female researchers. Swiss National Science Foundation.
- 2023 Workshop Diversity and Avoiding Discrimination, Eawag, Switzerland
- 2017 Workshop Knowledge Brokering, Eawag, Switzerland
- 2014 Workshop Leadership, Eawag, Switzerland
- 2014 Facilitating meetings and workshops in interdisciplinary groups, ETH Zurich, Switzerland.
- 2010 Fish marking techniques: PIT-tagging. Swedish University of Agricultural Sciences, Sweden.
- 2007 Time Series Analysis Course, Eawag, Switzerland.
- 2005 Project Management Course, Eawag/ EMPA, Switzerland.
- 2005 Electrofishing Training for Instructors, Eawag, Switzerland.
- 2004 - 2005 Science and Politics of International Freshwater Management (Seminar), ETH Zurich, Switzerland.
- 2003 Writing English for Science, Eawag, Switzerland.
- 2002 GIS Course, Eawag, Switzerland.

16. Additional skills

Languages

| <u>Language</u> | <u>Level</u> | <u>Professional experiences</u> |
|-----------------|---------------|--|
| German | Mother tongue | Mother tongue |
| French | Advanced | Courses and presentations, e.g. at EPF Lausanne, PEAK courses Position at the county administration, Canton Fribourg. Collaboration with EPFL during my PhD thesis, including presentations and co-authorship in articles in French. French-German translation of chapter 5 from the Swiss Red List of Lichens. |
| English | Advanced | Scientific work and publishing in Switzerland and abroad, presentations at national and international conferences, international collaborations. |
| Swedish | Basic | Two year postdoc at Umeå University, Sweden. Collaboration with local people (e.g., fishermen, county administration). Public outreach (e.g., field day for local third-graders). |

Computer: Extensive experience with PC and Macintosh computers and a large variety of software (e.g., Office, SPSS, ArcMap, EndNote, MARK).

17. Publications

a. Peer-reviewed articles

Published or accepted for publication

- Antonelli, M., Laube, P., Döring, M., Scherelis, V., Wu, S., Hurni, L., Heitzler, M., **Weber, C.** 2024. Identifying anthropogenic legacy in freshwater ecosystems. *WIREs Water*. e1729.
- Kowarik, C., Martin-Creuzburg, D., Mathers, K.L., **Weber, C.**, Robinson, C.T. 2023. Stream degradation affects aquatic resource subsidies to riparian ground-dwelling spiders. *Science of the total Environment*. 855: 158658.
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5. Alles im Fluss? (Wasser, Wassernutzung)
6. Du bist, was Du isst (Nahrungsmittel und ihre Herstellung)
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g. Other products

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Five short stop motion movies on river ecology and management. [Link](#). Produced in the framework of the Riverscape Project and in collaboration with graphic designer Flavio Vogel. Online since April 2023. Available in German, French, Italian and English

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