

Research Outputs, Dr. Sabine Hoffmann – Last ten years

1. Publications in international peer-reviewed scientific journals

Hoffmann B., Ingold K., Stamm C., Ammann P., Eggen R.I.L., Finger R., Fuhrmann S., Lienert J., Mark J., McCallum C., Probst-Hensch N., Reber U., Tamm L., Wiget M., Winkler M.S., Zachmann L., Hoffmann S., “Barriers to evidence use for sustainability: Insights from pesticide policy and practice”, *Ambio* (in press)

Hoffmann S., Weber C., Mitchell C., “Principles for leading, learning and synthesizing in inter- and transdisciplinary research”, *BioScience* 72 (10), 2022, pp. 963–977.

Hoffmann S., Deutsch L., Thompson Klein J., O’Rourke M., “Integrate the integrators! A call for establishing academic careers for integration experts”, *Humanities and Social Science Communications* 9 (147), 2022 (10 p.)

Deutsch L., Belcher B., Claus R., Hoffmann S., “Leading inter- and transdisciplinary research: Lessons from applying theories of change to a strategic research program”, *Environmental Science & Policy* 120, 2021, pp. 29–41.

Pohl C., Klein J. T., Hoffmann S., Mitchell C., Fam D., “Conceptualising transdisciplinary integration as a multidimensional interactive process”, *Environmental Science & Policy* 118, 2021, pp. 18–26.

Lüthi C., Willetts J., Hoffmann S., “Editorial: City-Wide Sanitation: The Urban Sustainability Challenge”, *Frontiers in Environmental Science* 8 (585418), 2020 (4 p.)

Hoffmann S., Feldmann U., Bach P., Binz C., Farrelly M., Frantzeskaki N., Hiessl H., Inauen J., Larsen T., Lienert J., Londong J., Lüthi C., Maurer M., Mitchell C., Morgenroth E., Nelson K., Scholten L., Truffer B., Udert K., “A research agenda for the future of urban water management: Exploring the potential of non-grid, small-grid, and hybrid solutions”, *Environmental Science & Technology* 102, 2020, pp. 36–42.

Pohl C., Fam D., Hoffmann S., Mitchell C., “Exploring Julie Thompson Klein’s Framework for Analysis of Boundary Work”, *Issues in Interdisciplinary Studies* 37 (2), 2019, pp. 62–90.

Hoffmann S., Klein J. T., Pohl C., “Linking transdisciplinary research projects with science and practice at large: Introducing insights from knowledge utilisation”, *Environmental Science & Policy* 102, 2019, pp. 36–42.

Hitziger M., Aragrande M., Berezowski J., Canali M., Del Rio Vilas V., Hoffmann S., Igrejas G., Keune H., Lux A., Mieghan B., Palenberg M., Pohl C., Radeski M., Richter I., Robledo C., Salerno R., Savic S., Schirmer J., Vogler B., Ruegg S., “EVALVINC: EVAluating knOWLedge INtegration Capacity in multi-stakeholder governance”, *Ecology & Society* 24 (2), 2019.

Maag S., Alexander J. T., Kase R., Hoffmann S., “Indicators for Measuring the Contributions of Individual Knowledge Brokers”, *Environmental Science & Policy* 89, 2018, pp. 1–9.

Hoffmann S., Pohl C., Hering G. J., “Exploring transdisciplinary integration within a large research program: empirical lessons from four thematic synthesis processes”, *Research Policy* 46 (3), 2017, pp. 678–692.

Hoffmann S., Pohl C., Hering G. J., “Methods and procedures of transdisciplinary knowledge integration: empirical insights from four thematic synthesis processes”, *Ecology & Society* 22 (1), 2017.

Hoffmann S., “Transdisciplinary knowledge integration within large research programs”, *GAIA* 25 (3), 2016, pp. 201–203.

Hoffmann S., “Property, Possession, and Natural Resource Management: Towards a Conceptual Clarification”, *Journal of Institutional Economics* 9 (1), 2013, pp. 39–60.

Hering J., Hoffmann S., Meierhofer R., Schmid M., Peter A., “Assessing the societal benefits of applied research and expert consulting in water science and technology”, *GAIA* 21 (2), 2012, pp. 95–101.

2. Review articles

Larsen T., Hoffmann S., Lüthi C., Truffer B., Maurer M., “Emerging solutions to the water challenges of an urbanizing world”, *Science* 352 (6388), 2016, pp. 928–933.

3. Book chapters

Hoffmann S., “Commentary – Communicating Inter- and Trans-disciplinary Research Findings”. In: Vienni Baptista B., Fletcher I., Lyall C. *Foundations of Interdisciplinary and Transdisciplinary Research: A Reader*, Policy Press (submitted)

Gunn C., Hoffmann S., Sager M., Wittmayer J., Zuiderent-Jerak T., "Reassembling the scholar: a conversation about positionality in transdisciplinary processes". In: Regeer B., Gunn C., Kok K. (eds) *Transdisciplinarity for Transformation. Insights and Tools for Navigating Complex Societal Challenges*, Palgrave MacMillan (submitted)

4. Practice-oriented publications

Hoffmann S., Deutsch L., Udert K., Doll C., "Um Nährstoffkreisläufe zu schliessen, müssen viele Akteure zusammenspannen", *Eawag News Article*, 05.05.2022.

Hoffmann S., Deutsch L., "Städtische Abwassersysteme nachhaltig entwickeln", *Eawag News Article*, 08.04.2022.

Deutsch L. and Hoffmann S., "Science Communication", *A How-To Toolkit*, 2022, Eawag, Dübendorf.

Krause A., Hirschhausen v. C., Schröder E., Augustin F., Häfner F., Bornemann G., Sundermann G.; Korduan J., Udert K., Deutsch L., Reinhardt M. L., Götzenberger R., Hoffmann S., Becker-Sonnenschein S., "Ressourcen aus der Schüssel sind der Schlüssel", *Diskussionspapier zur Sanitär- und Nährstoffwende*, 2021, pp. 1-8.

Deutsch L., Hoffmann S., "Developing Theories of Change for supporting transformations in the urban water sector: Lessons learned from an inter- and transdisciplinary research program", *Practical experience report - tdnets toolbox*, 2021, www.transdisciplinarity.ch.

Deutsch L., Hoffmann S., Five Reflective Questions for Integrative Leadership in Inter- and Transdisciplinary Contexts, 2021, Eawag, Dübendorf.

Narayan A.S., Deutsch L., Hoffmann S., Pearce B., "Decentralisation - are we on the same page?", *Workshop Brief*, 2020, Eawag, Dübendorf.

Maurer Max, Hoffmann S., "Sanierungsfall Abwassersystem", *Die Volkswirtschaft*, 2019, 6, pp. 12-15.

Hoffmann S., Hunkeler D., Maurer M., "Nachhaltige Wasserversorgung und Abwasserentsorgung in der Schweiz: Herausforderungen und Handlungsoptionen. Thematische Synthese 3 im Rahmen des Nationalen Forschungsprogramms NFP 61 Nachhaltige Wassernutzung", 2014, Bern, 86 p.

5. Practice-oriented video

Deutsch L., Doll C., Hoffmann S., "Verhebt? Ein ressourcen-orientierter Apéro", Wings Video, <https://www.youtube.com/watch?v=xOIOB08pSPw>

6. Contributions to international and national conferences, workshops and webinars (selection)

Hoffmann S., "Integrate the integrators! A call for establishing academic careers for integration experts", *Monash Sustainable Development Institute (MSDI) Research Seminar Series*, Sep 2022, online, Australia. **Invited speaker.**

Hoffmann S., Schäfer M., Kny J., Nagy E., "Keep rol(l)ing! Developing Theories of Change in inter- and transdisciplinary contexts", *tdAcademy Seminar*, July 2022, online, Germany.

Udert K., Hoffmann S., "Vom Wert des Abwassers zur Sanitärwende", *re:publica Berlin 22*, Jun 2022, Berlin, Germany. **Invited keynote speaker.**

Hoffmann S., "ITD Alliance Working Group Integration Experts: Ways forward", *Sustainability Research & Innovation Congress*, Jun 2022, online, South Africa.

Hoffmann S., Deutsch L., "Integrate the integrators! A call for establishing academic careers for integration experts", *IED ETHZ Seminar*, Jun 2022, Zürich, Switzerland.

Hoffmann S., Podann A., "Gesprächsrunde: Integration Experts – ein neues Berufsfeld", *Gesprächsreihe Let's talk about it: Transdisziplinarität und Co-Produktion*, May 2022, Berlin, Deutschland. **Invited speaker.**

Hoffmann S., "Is there a new profession of integration experts on the rise?", *Knowledge Integration Seminar Series*, University of Waterloo, Jan 2022, online, Canada.

Hoffmann S., "Transdisciplinary integration: giving weight to two buzzwords", *Future Earth's Science-Based Pathways for Sustainability Initiative, Pathways Forum Webinar*, Nov 2021, Online, France.

Deutsch L., Hoffmann S., "Leading inter- and transdisciplinary collaboration and integration through 'Theories of Change' – Lessons learned from the strategic program 'Wings' at Eawag", *Energy Lab Webinar Series*, Nov 2021, Online, Switzerland.

Hoffmann S., Deutsch L., Thompson Klein J., O'Rourke M., "Integrate the integrators! A call for establishing academic careers for integration experts", *International Transdisciplinarity (ITD) Conference*, Sep 2021, Online, Switzerland.

Hoffmann S., Wittmayer J., Sager M., Zuiderent-Jerak T., "Panel Discussion: Adopted, aspired, ascribed, resisted: Dealing with roles in transdisciplinary processes", *ITD Conference*, Sep 2021, Online, Switzerland.

Deutsch L., Belcher B., Claus R., Hoffmann S., "Challenge accepted! Coping strategies for developing Theories of Change in ITD contexts", *ITD Conference*, Sep 2021, Online, Switzerland.

Hoffmann S., "Integration matters! Lessons from leading and studying inter- and transdisciplinary research". *Science of Team Science (SciTS) Conference*, Jun 2021, Online, USA. **Invited keynote speaker.**

Streit J., Pohl C., Hoffmann S., "The emerging profession of integration experts". *SciTS Conference*, Jun 2021, Online, USA.

Deutsch L., Belcher B., Claus R., Hoffmann S., "Leading inter- and transdisciplinary research: Lessons from applying 'Theories of Change' to a strategic research program", *SciTS Conference*, Jun 2021, Online, USA.

Hoffmann S., "Zwischen Anspruch und Wirklichkeit: Inter- und transdisziplinäre Integration in grossen Forschungsprogrammen", *Fachtagung Transdisziplinarität als institutionelle Herausforderung für Universitäten*, Jun 2021, Online, Germany.

Hoffmann S., Deutsch L., "Lessons learned from applying 'Theories of Change' to the inter- and transdisciplinary research program Wings", *TdLab BrownBag Seminars*, Apr 2021, Online, Switzerland.

Streit J., Pohl C., Hoffmann S., "The emerging profession of integration experts", *TdLab BrownBag Seminars*, Mar 2021, Online, Switzerland.

Hoffmann S., Deutsch L., "'Theory of Change' für ressourcen-orientierte Siedlungswasserwirtschaft: Einblick in die inter- und transdisziplinäre Forschung im Bereich innovativer Wasser- und Abwassersysteme in der Schweiz", *Expert Network 'Berliner Runde - Future Food Production'*, Jan 2021, Online, Germany.

Hoffmann S., "Is there a new profession of 'integration experts' on the rise?", *Shape-ID Webinar Professionalising Inter- and Transdisciplinary Research Expertise*, Dec 2020, Online, Ireland.

Hoffmann S., Hendren C., Glauber K., Bammer G., Klein J.T., Buser T., "Global efforts in developing and promoting a new profession of integration experts and expertise in inter- and transdisciplinary collaborative research", *INTEREACH Webinar*, Jul 2020, Online, USA.

Hoffmann S., Klein J.T., Pohl C., "Closing the project-to-science-and-practice-at-large-gap: Combining insights from knowledge utilization and transdisciplinary research", *SciTS Conference*, Jun 2020, Online, USA.

Hoffmann S., "Sind Indikatoren verhandelbar? Einblick in die Entwicklung qualitativer und quantitativer Indikatoren für Knowledge Brokers", *SynSICRIS MidTerm Konferenz*, Mar 2020, Kassel, Germany.

Hoffmann S., Deutsch L., "Zielorientierung durch 'Theories of Change' – Empirische Erkenntnisse aus einem inter- und transdisziplinären Forschungsprogramm", *tF-Symposium - Darmstädter Tage der Transformation*, Mar 2020, Darmstadt, Germany. **Invited speaker.**

Hoffmann S., "Critical conditions for generating societal impact: Insights from Eawag", *International Workshop From productive interactions to enabling conditions: Conceptualizing the role of organizations in generating impact of academic research*, Feb 2020, Leiden, Netherlands. **Invited keynote speaker.**

Deutsch L., Hoffmann S., "Inducing action through Theories of Change – Empirical insights from a strategic research program", *Association for Interdisciplinary Studies (AIS) Conference*, Oct 2019, Amsterdam, Netherlands.

Hoffmann S., Klein J. T., Pohl C., "Closing the research-to-practice gap: A conceptual model for transdisciplinary sustainability research", *ITD Conference*, Sep 2019, Gothenburg, Sweden.

Hoffmann S., Maag S., Alexander J. T., Kase R.: "Measuring the Contributions of Individual Knowledge Brokers", *SciTS Conference*, May 2019, Lansing, USA.

Hoffmann S., "Transdisciplinary integration within large research programs", *UFZ Distinguished Lecture Seminars*, Jan 2019, Leipzig, Germany. **Invited keynote speaker.**

Hoffmann S., Feldmann U., "The global application of non-grid water and sanitation systems for the strategic program Wings", *Innovation Space at the ISO General Assembly*, Sep 2018, Geneva, Switzerland.

Hoffmann S., "Das Forschungsprogramm Wings", *Eawag Infotag Abwasser als Ressource – Zukunftsweisende Technologien zur Rückgewinnung von Wertstoffen*, Sep 2018, Dübendorf, Switzerland.

Hoffmann S., "Prozessindikatoren für Knowledge Brokering", *Internationaler Workshop Qualitäts- und wirkungsvolle transdisziplinäre Forschung: Meta-Perspektiven*, Sep 2018, Frankfurt, Germany. **Invited speaker.**

Hoffmann S., “Systems thinking for sustainable urban water management”, *Stockholm World Water Week*, Sept 2017, Stockholm, Sweden. **Invited keynote speaker.**

Hoffmann S., Hering G. J., Lüthi C., Zurbrügg C., “Wings: Developing non-grid water and sanitation solutions for urban areas”, *Stockholm World Water Week*, Sep 2017, Stockholm, Sweden.

Hoffmann S., Pohl C., Hering G. J., “Exploring transdisciplinary integration: Empirical lessons from four thematic synthesis processes”, *ITD Conference*, Sep 2017, Lüneburg, Germany.

Hoffmann S., Klein J. T., Pohl C., “Indicators for assessing successful transdisciplinary research”, *COST Action TD 1404 Workshop Transdisciplinary research evaluation: From methodological challenges to indicator definition*, Jun 2017, Zurich, Switzerland. **Invited speaker.**

Hoffmann S., “Methods and procedures of knowledge integration: Empirical insights from four thematic synthesis processes”, *What Works Global Summit*, Sep 2016, London, UK.

Hoffmann S., Feldmann U., “Can on-site water and sanitation systems provide a solution for the global urban water challenges?”, *ETH Week Challenging Water Knowledge Fair*, Sep 2016, Zürich, Switzerland.

Hoffmann S., “Urban water management in Cochabamba, Bolivia”, *The Graduate Institute Water Management Seminar*, Apr 2016, Geneva, Switzerland. **Invited speaker.**

Hoffmann S., Hering J., Pohl C., “Methods and procedures of knowledge integration: Insights from the National Research Program (NRP 61) on Sustainable Water Management”, *ITD Conference*, Sep 2015, Basel, Switzerland.

Hoffmann S., “Typology of researcher’s roles in inter- and transdisciplinary research”, *Knowledge and Technology Transfer Workshop*, Mar 2015, Zurich, Switzerland.

Hoffmann S., Pohl C., Hering J., “NFP 61 Begleitforschung - Wissensintegration im Syntheseprozess”, *Annual Conference of the SNSF Programmes Division IV*, Nov 2014, Berne, Switzerland.

Hoffmann S., Maurer M., “Wachsender Siedlungs- und Nutzungsdruck”, *NRP 61 Final Conference*, Nov 2014, Berne, Switzerland.

Hoffmann S., Pohl C., Hering J., “Methods of inter- and transdisciplinary knowledge integration”, *Conférence Suisse Inter- et Transdisciplinarité*, Jun 2014, Bramois, Switzerland. **Invited keynote speaker.**

Hoffmann S., Pohl C., Hering J., “NFP 61 Begleitforschung: Methoden der inter- und transdisziplinären Wissensintegration im NFP 61 Syntheseprozess”, *NRP 61 Final Meeting*, Oct 2013, Thun, Switzerland.

Hoffmann S., Maurer M., Hunkeler D., “Thematische Synthese 3: Nachhaltige Wasserversorgung und Abwasserentsorgung in der Schweiz: Herausforderungen und Handlungsoptionen”, *NRP 61 Final Meeting*, Oct 2013, Thun, Switzerland.