

Finn Klessascheck
Postdoctoral Researcher
Business Process Management

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■ EDUCATION

Dr. rer. nat. in Business Process Management (summa cum laude)

June 2023 – November 2026

Technical University of Munich, Campus Heilbronn, Germany

Thesis: *Green BPM: Managing Business Processes for Environmental Impacts and Sustainability Compliance*

Advisor: Prof. Dr. Luise Pufahl

Examiners: Prof. Dr. Stefanie Rinderle-Ma & Prof. Dr. Hajo A. Reijers

M.Sc. in IT Systems Engineering (with distinction)

April 2019 – August 2022

Hasso Plattner Institute, University of Potsdam, Germany

Thesis: *A Framework for Business Process Sustainability Analysis*

Advisor: Prof. Dr. Mathias Weske

B.Sc. in IT Systems Engineering

October 2015 – April 2019

Hasso Plattner Institute, University of Potsdam, Germany

Thesis: *Techniques for Blockchain Runtime Optimisation*

■ RESEARCH INTERESTS

• Information Systems • Process Science • Sustainability • Ethics of Technology

■ RESEARCH EXPERIENCE

Postdoctoral Researcher

April 2026 – Ongoing

University of Münster, Münster, Germany

Advisor: Prof. Dr. Jan vom Brocke

Chair of Information Systems and Business Process Management

Associated Researcher

May 2023 – Ongoing

Weizenbaum Institute, Berlin, Germany

Principal Investigator: Prof. Dr. Jan Mendling

Research Group Lead: Dr. Jennifer Haase

Research Assistant

May 2023 – March 2026

Technical University of Munich, Heilbronn, Germany

Advisor: Prof. Dr. Luise Pufahl

Professorship of Information Systems

Visiting Researcher

September 2025 – February 2026

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Visiting Researcher

January 2025 – February 2025

Ghent University, Ghent, Belgium

Department of Business Informatics and Operations, Prof. Dr. Amy Van Looy

Research Assistant

August 2022 – April 2023

Technical University Berlin, Berlin, Germany

Advisors: Prof. Dr. Luise Pufahl & Prof. Dr. Ingo Weber

Chair for Software and Business Engineering

Student Assistant

April 2020 – March 2022

Hasso Plattner Institute, University of Potsdam, Germany

Chair for Business Process Technology

■ TEACHING EXPERIENCE

Lecturer <i>Business Process Management (Lecture), University of Münster</i>	Winter Term 2025
Lecturer <i>Disentangling Sustainability in IT (Seminar), TU Munich, Campus Heilbronn</i>	Summer Term 2025
Supervisor <i>Hot Topics in BPM Research (Seminar), TU Munich, Campus Heilbronn</i>	Summer Term 2025
Supervisor <i>Hot Topics in BPM Research (Seminar), TU Munich, Campus Heilbronn</i>	Winter Term 2024
Lecturer <i>Disentangling Sustainability in IT (Seminar), TU Munich, Campus Heilbronn</i>	Summer Term 2024
Supervisor <i>Building a BPM Research App (Practical Course), TU Munich, Campus Heilbronn</i>	Winter Term 2023
Supervisor <i>Hot Topics in BPM Research (Seminar), TU Munich, Campus Heilbronn</i>	Winter Term 2023
Supervisor <i>Hot Topics in BPM Research (Seminar), TU Munich, Campus Heilbronn</i>	Summer Term 2023
Supervisor <i>Hot Topics in BPM Research (Seminar), TU Berlin</i>	Winter Term 2022

■ SUPERVISION

Primary Supervisor <i>TU Munich, Germany</i> Student: Cara Dickmann — Bachelor's thesis <i>Uncertainty-Aware Sustainability Assessment — Integrating Uncertainty Handling into the SOPA Framework</i>	Winter Term 2025
Primary Supervisor <i>TU Munich, Germany</i> Student: Nina Kötting — Master's thesis <i>Extending Process Simulation for Sustainability Analyses of Business Processes</i> Student: Julia Fries — Bachelor's thesis <i>A Design Science Approach to Operationalizing EU Taxonomy Constraints in Business Processes Using Event Log Data</i>	Summer Term 2025
Primary Supervisor <i>TU Munich, Germany</i> Student: Yannic Seibert — Bachelor's thesis <i>Leveraging Process Engines for Business Process Sustainability Analyses</i> Student: Ilona Bogatinovska — Bachelor's thesis <i>Aligning Business Processes with the EU Taxonomy — Developing a meta-model for integrating sustainability regulations with BPM</i>	Winter Term 2024
Secondary Supervisor <i>TU Munich, Germany</i> Student: Florian Tarlosy — Master's thesis <i>Integrating Sustainability — An Algorithmic Approach to Extract Lifecycle-Specific Inventory Lists for Enhanced Life Cycle Assessment in Circular Product Development</i>	Winter Term 2024
Primary Supervisor <i>TU Munich, Germany</i> Student: Jiani Li — Master's thesis <i>Visualizing and Communicating the Environmental Impact of Business Processes</i> Student: Dominik Schäfer — Master's thesis <i>Data-Driven Sustainability — Leveraging Data from Large ERP Systems to Assess the Environmental Footprint of Business Processes</i> Student: Yasaman Fattahiamin — Bachelor's thesis <i>Visualization of CC Results — A User Perspective</i>	Summer Term 2024

Primary Supervisor

Summer Term 2023

TU Berlin, Germany

Student: Tom Knoche — Master's thesis

Supporting the Representation of Conformance Checking Results through Visual Analytics — A User-Centric Framework

Primary Supervisor

Winter Term 2023

TU Berlin, Germany

Student: Enea Gojka — Master's thesis

A Comparative Analysis of State of the Art Event Log Extraction Tools

■ SERVICE

Program Committee Member

- International Conference on Process Mining (ICPM) — 2026
- Process Mining 4 Sustainability Workshop (PM4S) at ICPM — 2025, 2027
- Workshop on Possible Futures of Business Process Management at BPM — 2026
- Business Process Management for Sustainability Workshop at BPM — 2026
- Ecuadorian Conference on Information and Communication Technologies (TICEC) — 2025, 2026

Conference Reviews

- International Conference on Advanced Information Systems Engineering (CAiSE) — 2023, 2024, 2026
- European Conference on Information Systems (ECIS) — 2024, 2026
- International Conference on Business Process Modeling, Development and Support (BPMDS) — 2024
- International Conference on Wirtschaftsinformatik (WI) — 2024, 2025
- International Conference on Business Process Management (BPM) — 2025
- International Conference on Process Mining (ICPM) — 2025
- International Conference on Enterprise Design, Operations and Computing (EDOC) — 2025

Session Chair

- Responsible BPM Forum @ 24th International Conference on Business Process Management (BPM 2026)
- 21st International Conference on Design Science Research in Information Systems and Technology (DESRIST) (2026)
- 15th International Workshop on Enterprise Modeling and Information Systems Architectures (EMISA) (2025)
- 14th Central European Workshop on Services and their Composition (ZEUS) (2022)

■ PEER-REVIEWED JOURNAL ARTICLES

- **Klessascheck, F.**, Bogatinovska, I., Andree, K., & Pufahl, L. (2026). A Conceptual Model and Supporting Approach for EU Taxonomy Alignment with Green BPM. *Software and Systems Modeling*. [10.1007/s10270-026-01422-5](https://doi.org/10.1007/s10270-026-01422-5)
- Haase, J., **Klessascheck, F.**, Mendling, J., & Pokutta, S. (2026). Sustainability via Large Language Model Right-Sizing. *IEEE Transactions on Sustainable Computing*, 11(4), 426–438. [10.1109/TSUSC.2026.3697261](https://doi.org/10.1109/TSUSC.2026.3697261)
- Grohs, M., **Klessascheck, F.**, Jänicke-Helling, A., Pufahl, L., & Rehse, J.-R. (2026). Can conformance checking monitor process compliance? A taxonomy of regulations for business processes. *Process Science*, 3(1). [10.1007/s44311-026-00044-w](https://doi.org/10.1007/s44311-026-00044-w)
- **Klessascheck, F.** & Pufahl, L. (2026). Reviewing uses of regulatory compliance monitoring. *Software and Systems Modeling*, 25(2), 413–436. [10.1007/s10270-025-01338-6](https://doi.org/10.1007/s10270-025-01338-6)
- Rehse, J.-R., Grohs, M., **Klessascheck, F.**, Klein, L.-M., von Landesberger, T., & Pufahl, L. (2026). A task taxonomy for conformance checking. *Information Systems*, 136:(102605). [10.1016/j.is.2025.102605](https://doi.org/10.1016/j.is.2025.102605)
- **Klessascheck, F.**, Weber, I., & Pufahl, L. (2025). SOPA: A Framework for Sustainability-Oriented Process Analysis and Re-design in Business Process Management. *Information Systems and e-Business Management (ISEB)*, 23(2), 489–537. [10.1007/s10257-024-00695-x](https://doi.org/10.1007/s10257-024-00695-x)

■ PEER-REVIEWED PROCEEDINGS

- **Klessascheck, F.**, & Pufahl, L. (2027). Green Business Process Management: Approaches, Challenges, and Ways Forward. In Maggi, F.M., Leopold, H., Santoro, F., & Gal, A. (Eds.), *Business Process Management*, 26–30. Springer Nature Switzerland. [10.1007/978-3-032-37777-7_3](https://doi.org/10.1007/978-3-032-37777-7_3)

- Khraiweh, S., Seseer, E., **Klessascheck, F.**, & Pufahl, L. (2026). From Process Mining to Simulation: A Systematic Review of Data Quality Issues in Event Logs for Business Process Simulation. In Barateiro, J., Rivkin, A., Zdravkovic, J., Borbinha, J., & Mira da Silva, M. (Eds.), *Enterprise Design, Operations, and Computing. EDOC 2025 Workshops*, 333–350. Springer Nature Switzerland. [10.1007/978-3-032-16234-2_27](https://doi.org/10.1007/978-3-032-16234-2_27)
- **Klessascheck, F.**, Fries, J., Mendling, J., & Pufahl, L. (2026). EUREQA: Assessing Information Requirements Towards Monitoring Sustainability Compliance. In *28th International Conference on Business Informatics (CBI 2026)*, accepted, in press.
- Müller, H., **Klessascheck, F.**, & vom Brocke, J. (2026). Human-Centric BPM in Name Only? In *Business Process Management Workshops*, accepted, in press.
- Elmer, J., Michels, P., Zimmermann, T., Franzoi, S., **Klessascheck, F.**, & vom Brocke, J. (2026). BPMN Guard: A Hybrid Approach for Automating BPMN Quality Assurance. In *Business Process Management Workshop*, accepted, in press.
- Schäfer, D., **Klessascheck, F.**, Kampik, T., & Pufahl, L. (2025). Can We Leverage Process Data from ERP Systems for Business Process Sustainability Analyses? In Delgado, A., & Slaats, T. (Eds.), *Process Mining Workshops*, 764–777. Springer Nature Switzerland. [10.1007/978-3-031-82225-4_56](https://doi.org/10.1007/978-3-031-82225-4_56)
- Stiehle, F., **Klessascheck, F.**, Kjær, M., & Weber, I. (2025). Business in the Age of Platform Economics: Managing Decentralised Business Processes Beyond Blockchain. In Gdowska, K., Gómez-López, M.T., & Rehse, J.-R. (Eds.), *Business Process Management Workshops*, Vol. 534, 394–400. Springer Nature Switzerland. [10.1007/978-3-031-78666-2_31](https://doi.org/10.1007/978-3-031-78666-2_31)
- **Klessascheck, F.** (2025). Green BPM Solutions for Sustainable Business Processes. In Reijers, H., Marrella, A., Ortega, A.d.R., Rinderle-Ma, S., Depaire, B., Rehse, J.-R., Santoro, F., Zerbato, F., Marquez-Chamorro, A.E., Beerepoot, I., Agostinelli, S., & Smedt, J.D. (Eds.), *Joint Proceedings of the Best Dissertation Award, Doctoral Consortium, and Demonstration & Resources Forum at BPM 2025*, Vol. 4032, 16–24. CEUR-WS.org.
- **Klessascheck, F.**, Fahrenkrog-Petersen, S.A., Mendling, J., & Pufahl, L. (2025). Unlocking Sustainability Compliance: Characterizing the EU Taxonomy for Business Process Management. In Borbinha, J., Prince Sales, T., Da Silva, M.M., Proper, H.A., & Schnellmann, M. (Eds.), *Enterprise Design, Operations, and Computing*, Vol. 15409, 339–359. Springer Nature Switzerland. [10.1007/978-3-031-78338-8_18](https://doi.org/10.1007/978-3-031-78338-8_18)
- Bogatinovska, I., **Klessascheck, F.**, Andree, K., & Pufahl, L. (2025). A Metamodel for Applying Green BPM Approaches with the EU Taxonomy. In Guizzardi, R., Pufahl, L., Sturm, A., & van der Aa, H. (Eds.), *Enterprise, Business-Process and Information Systems Modeling*, 386–402. Springer Nature Switzerland. [10.1007/978-3-031-95397-2_24](https://doi.org/10.1007/978-3-031-95397-2_24)
- Fritsch, A., Ullrich, M., Graves, N., **Klessascheck, F.**, & Nurkasanah, I. (2025). Process Science for Sustainability: Research Gaps and Research Strategy. In Pufahl, L., & Rehse, J.-R. (Eds.), *EMISA 2025*, 119–124. Gesellschaft für Informatik e.V. [10.18420/EMISA2025_17](https://doi.org/10.18420/EMISA2025_17)
- Gonzalez Moyano, C., **Klessascheck, F.**, Bala, S., Fahrenkrog-Petersen, S.A., & Mendling, J. (2025). Towards Nudging in BPM: A Human-Centric Approach for Sustainable Business Processes. In Delgado, A., & Slaats, T. (Eds.), *Process Mining Workshops*, 738–750. Springer Nature Switzerland. [10.1007/978-3-031-82225-4_54](https://doi.org/10.1007/978-3-031-82225-4_54)
- **Klessascheck, F.**, & Stiehle, F. (2025). Business Value and Worker Wellbeing? Foregrounding Workers in Process Management. In Pufahl, L., & Rehse, J.-R. (Eds.), *EMISA 2025*, 49–55. Gesellschaft für Informatik e.V. [10.18420/EMISA2025_06](https://doi.org/10.18420/EMISA2025_06)
- **Klessascheck, F.**, Seibert, Y., & Pufahl, L. (2025). Capturing Environmental Impacts of Business Processes with Camunda and the SOPA Framework. In Reijers, H., Marrella, A., Ortega, A.d.R., Rinderle-Ma, S., Depaire, B., Rehse, J.-R., Santoro, F., Zerbato, F., Marquez-Chamorro, A.E., Beerepoot, I., Agostinelli, S., & Smedt, J.D. (Eds.), *Joint Proceedings of the Best Dissertation Award, Doctoral Consortium, and Demonstration & Resources Forum at BPM 2025*, Vol. 4032, 176–183. CEUR-WS.org.
- **Klessascheck, F.**, Bein, L., Haase, J., & Pufahl, L. (2024). A Critical Investigation of Rationalities in Automation with BPM. In *2024 26th International Conference on Business Informatics (CBI)*, 30–39. IEEE. [10.1109/CBI62504.2024.00014](https://doi.org/10.1109/CBI62504.2024.00014)
- **Klessascheck, F.**, Knoche, T., & Pufahl, L. (2024). Designing and Evaluating a Structural Model for Conformance Checking Visualizations. In *VIPRA 2024 - Visual Process Analytics Workshop*. The Eurographics Association. [10.2312/VIPRA.20241101](https://doi.org/10.2312/VIPRA.20241101)
- **Klessascheck, F.**, Knoche, T., & Pufahl, L. (2024). Reviewing Conformance Checking Uses for Run-Time Regulatory Compliance. In van der Aa, H., Bork, D., Schmidt, R., & Sturm, A. (Eds.), *Enterprise, Business-Process and Information Systems Modeling*, Vol. 511, 100–113. Springer Nature Switzerland. [10.1007/978-3-031-61007-3_9](https://doi.org/10.1007/978-3-031-61007-3_9)
- **Klessascheck, F.**, Bein, L., & Pufahl, L. (2024). Simulating Environmental Impacts of Business Processes with SimuBridge and the SOPA Framework. In Weerd, J.D., Meroni, G., van der Aa, H., & Winter, K. (Eds.), *Doctoral Consortium and Demo Track 2024 at the International Conference on Process Mining 2024*, Vol. 3783. CEUR-WS.org.
- Bein, L., **Klessascheck, F.**, Nepeina, S., Warmuth, C., Kampik, T., & Pufahl, L. (2023). SimuBridge: Discovery and Management of Process Simulation Scenarios. In Fahland, D., Ramírez, A.J., Kumar, A., Mendling, J., Pentland, B., Rinderle-Ma, S., Slaats, T., Versendaal, J., Weber, B., Weske, M., & Winter, K. (Eds.), *Proceedings of the Best Dissertation Award, Doctoral Consortium, and Demonstration & Resources Forum at BPM 2023*, Vol. 3469, 77–81. CEUR-WS.org.
- Cremerius, J., Pufahl, L., **Klessascheck, F.**, & Weske, M. (2023). Event Log Generation in MIMIC-IV Research Paper. In Montali, M., Senderovich, A., & Weidlich, M. (Eds.), *Process Mining Workshops*, Vol. 468, 302–314. Springer Nature Switzerland. [10.1007/978-3-031-27815-0_22](https://doi.org/10.1007/978-3-031-27815-0_22)
- **Klessascheck, F.** (2023). Conformance Checking with Regulations for Sustainability. In Hacks, S., & Jung, J. (Eds.), *Proceedings of*

the 13th International Workshop on Enterprise Modeling and Information Systems Architectures (EMISA 2023). CEUR-WS.org.

- **Klessascheck, F.** (2022). Towards a Framework for Business Process Sustainability Analysis (Short Paper). In *Proceedings of the 14th Central European Workshop on Services and Their Composition (ZEUS 2022)*, 6–10. [CEUR-WS.org](#)
- **Klessascheck, F.**, Lichtenstein, T., Meier, M., Remy, S., Sachs, J.P., Pufahl, L., Miotto, R., Boettinger, E., & Weske, M. (2021). Domain-Specific Event Abstraction. *Business Information Systems*, 117–126. [10.52825/bis.vii.39](#)
- Bano, D., Lichtenstein, T., **Klessascheck, F.**, & Weske, M. (2021). Database-Less Extraction of Event Logs from Redo Logs. *Business Information Systems*, 73–82. [10.52825/bis.vii.66](#)

■ TALKS

Klessascheck, F., & Pufahl, L. (2026). *Green Business Process Management: Approaches, Challenges, and Ways Forward* [Tutorial]. *24th International Conference on Business Process Management (BPM 2026)*, Toronto.

Klessascheck, F. (2026). *Reflections on the value(s) of a Green BPM Research Programme* [Invited Keynote]. *Responsible BPM Forum @ 24th International Conference on Business Process Management (BPM 2026)*, Toronto.

■ NON-TRADITIONAL RESEARCH OUTPUTS

News Article, Creating measures to determine whether companies are truly sustainable

News Article, Erfolgreiche Teilnahme an der ICPM 2024

Podcast, CloudComputing Insider - Automatisierung im Unternehmen

Guest Article, Die Folgen der Automatisierung von Geschäftsprozessen

Interview, Nachhaltigkeit datengetrieben prüfen - geht das?

■ PROFESSIONAL AFFILIATIONS

Association for Information Systems, regular member

June 2024 – Present

Special Interest Group in Green IS (SIGGreen)

Gesellschaft für Informatik, regular member

October 2021 – Present

■ PROFESSIONAL DEVELOPMENT (SELECTED)

Digital Humanism, *Bavarian Research Institute for Digital Transformation*

October 2025 – January 2026

Verstehen statt Messen – Einblicke in qualitative Methoden, *Bavarian Research Institute for Digital Transformation*

October 2025

Research Methods in Information Systems, *LMU München*

October 2024

Karriere in der Wissenschaft, *TUM Graduate School*

July 2024

Zeitmanagement: Fokussiert arbeiten, effektiv promovieren, *TUM Graduate School*

July 2024

Überzeugende Forschungsanträge schreiben, *TUM Graduate School*

November 2023

Onboarding Program, Elective Supervising Students' Theses, *TUM ProLehre*

May 2023

Introduction to Project Management for Universities and the Scientific Community, *TU Berlin*

November 2022

Boost your publication profile, *TU Berlin*

October 2022

Good Scientific Practice – Protecting Research Integrity, *TU Berlin*

October 2022