

Candidate supervisor's information summary form
maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: Axel Schwerk, prof. dr hab.	
Academic discipline/disciplines	1. Environmental engineering, mining and energy 2. Forest sciences
Professional development (degrees and titles) in chronological order	Mgr. (Dipl.-Biol.), Ruhr-University Bochum (Germany), 1993 Dr rer. Nat., Ruhr-University Bochum (Germany), 1997 Dr hab. of forest sciences, Forest Research Institute, 2009 Prof. of agricultural sciences, 2020
Most important publications/ patents in the last 3 years (maximum 10)	Łowicki, D., Fornal-Pieniak, B. & Schwerk, A. (2025): Urban greenery services for noise attenuation, pollutant filtration, and temperature lowering: Supply potential, demand, and budgets in Poznań, Poland. <i>Ecosyst. Serv.</i> 73, 101713. Białowicz, J. Schwerk, A., Dymitryszyn, I., Olszewski, A. & Białowicz, J. S. (2024): The impact of land cover on nest occupancy of the White stork (<i>Ciconia ciconia</i> (L.)): A case study of Kampinos forest, 2006–2018. <i>Earth</i> 5, 336–353. Sikorski, P., Archiciński, P., Ciężkowski, W., Kościelny, M., Kościelna, A. & Schwerk, A. (2023): Forest ecosystem disturbance affects tree dieback from Ips bark beetles, evidence from UAV multispectral mapping. <i>Sylvan</i> 167, 13-25. Gawryszewska, B. J., Myszka, I., Banaszek, M. & Schwerk, A. (2023): Periurban streetscape - vernacular front gardens and their potential to provide ecosystem services. A case study of Warsaw, Poland. <i>Sustainability</i> 15, 2450. Fornal-Pieniak, B., Łowicki, D., Schwerk, A. & Li, J. (2022): Where is the forest core area? Gradient of flora in the ecotone of the urban forests. <i>Landscape and Urban Planning</i> 224, 104427. Szysko-Podgórska, K., Dymitryszyn, I., Jankiewicz, U., Kondras, M., Żyfko-Zagrodzińska, E. & Schwerk, A. (2022): Assemblage characteristics of butterflies and carabid beetles as a function of soil characteristics and plant diversity in differently managed fields, forests and ecotones: A case study in Tuczno Forest District, Poland. <i>Land</i>, 11, 25.
Experience in work with doctoral students (defended doctoral	Armin Schreiner: Succession development in forest habitats of the Ruhr valley (Germany) in consideration of ecological aspects and biotope conservation using the example of epigaeic carabid

dissertations, initiated doctoral procedures) in chronological order	beetles (Coleoptera: Carabidae) as compared to Polish habitats, defended, 2013 Adam Kwiatkowski: Dynamika zgrupowań biegaczowatych na siedliskach wilgotnych i bagiennych w Puszczy Knyszyńskiej, defended, 2013 Paweł Salek: Akumulacja węgla w wierzchnich warstwach zalesionych gruntów porolnych jako element mitygacji zmian klimatycznych przez ekosystemy leśne, defended, 2023 Joanna Białowicz: Bocian biały (<i>Cicornia cicornia</i> (L.)) jako wskaźnik jakości i zmian środowiska oraz krajobrazu, defended, 2024
Achievements in the area of projects/grants (in the last 5 years)	2017-2022: Generalna Dyrekcja PGL Lasy Państwowe projekt nr. OR.271.3.10.2.2018 „Kompleksowy projekt ochrony żubra przez Lasy Państwowe, zadanie dt. wszechstronny monitoring populacji i siedliska żubra”. (contractor) 2018-2021: Generalna Dyrekcja PGL Lasy Państwowe projekt nr. OR.271.3.5.2018 „Badanie wybranych grup owadów na stałych powierzchniach prognostycznych oraz ocena i prognoza stanu zagrożenia lasu”. (contractor) 2020-2023: ERASMUS+ project 610383-EPP-1-2019-1-DE-EPPKA2-CBHE-JP „Enhancement of Postgraduate Studies on Sustainable Agriculture and Future Farming Systems (SAGRIS)”. (manager) From 2021: Grant Horizon 2020 no 101036337 MERLIN „Mainstreaming Ecological Restoration of freshwater-related ecosystems in a Landscape context: INnovation, upscaling and transformation”. (contractor) From 2022: Generalna Dyrekcja PGL Lasy Państwowe project nr. MZ-271.3.8.2022 „Wpływ gospodarki leśnej na zwiększanie efektywności pochłaniania CO₂ przez gleby i ochronę różnorodności biologicznej”. (manager)
Subject area of the research project for which the candidate student is being recruited	Landscape ecology, population ecology, succession processes on degraded areas based on inventories of carabid beetles and/or landscape species, landscape management under consideration of conservation of biological diversity, sustainable development.
<u>Contact details:</u> Institute E-mail address Telephone number	Centre for Climate Research – SGGW axel_schwerk@sggw.edu.pl +48 22 59 32225