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Discipline	Earth and related environmental sciences
Description of interests and participation in scientific research	<ul style="list-style-type: none"> • Hydroclimatology • Weather and climate extremes and their circulation background • Climate change and variability • GIS in atmospheric sciences
Participation in grants and scientific projects	<ul style="list-style-type: none"> • CNH (Coupled Natural and Human Systems): Towards an Integrated Framework for Climate Change Impact Assessments for International Market Systems with Long-Term Investments (CLIMARK) (2009–2015) – uczestnik/wykonawca (NSF/US 0909378) • Objective local weather types for environmental applications and climate change detection with emphasis on education of meteorology and climatology (2010-2014) – uczestnik/wykonawca (Polsko-Węgierski Program Wykonawczy) • Informatyczny System Osłony Kraju przed nadzwyczajnymi zagrożeniami (ISOK) (2011-2015/2019) – zastępca kierownika zadania Mapy zagrożeń meteorologicznych (POIG.07.01.00-00-025/09) • Forest cover changes in mountainous regions – drivers, trajectories and implications (FORECOM) (2012-2016) – uczestnik/wykonawca (PSRP 008/2010) • Innovation on Remote Sensing Education and Learning (IRSEL), (2017-2020) – uczestnik/wykonawca (586037-EPP-1-2017-1-HU-EPPKA2-CBHE-JP)

	<ul style="list-style-type: none"> • Cyfryzacja archiwalnych danych meteorologicznych gromadzonych na ziemiach Małopolski od XIX do połowy XX wieku (HISTKLIM) (2018-2021) – kierownik (RPO 2014-2020 RPMP.02.01.02-12-0966/17) • Building excellence in research of human-environmental systems with geospatial and Earth observation technologies (HES-GEO) (2021-2023) – kierownik (H2020, 952327) • Atmospheric circulation and weather extremes in Central Europe and their representation in climate models (ACECE) (2024-2027) – kierownik (NCN 2022/47/I/ST10/02144)
<p>Selected publications</p>	<ul style="list-style-type: none"> • Sulikowska A., Wypych A., 2021, Seasonal Variability of Trends in Regional Hot and Warm Temperature Extremes in Europe. <i>Atmosphere</i> 12(5): 612, https://doi.org/10.3390/atmos12050612 • Wypych A., Ustrnul Z., Schmatz D.R., 2018, <i>Long-term variability of air temperature and precipitation conditions in the Polish Carpathians</i>, <i>Journal of Mountain Science</i>, 15(2), 237-253, doi:10.1007/s11629-017-4374-3. • Wypych A., Ustrnul Z., Czekierda D., Palarz A., Sulikowska A., 2018, <i>Extreme precipitation events in the Polish Carpathians and their synoptic determinants</i>, <i>Időjárás</i> 122(2), 145-158. • Szwagrzyk M., Kaim D., Price B., Wypych A., Grabska E., Kozak J., 2018, Impact of forecasted land use changes on flood risk in the Polish Carpathians, <i>Natural Hazards</i> 94, 227-240. <p>Other publications:</p> <ul style="list-style-type: none"> • https://orcid.org/0000-0002-5379-5834