

Personal data	
Name:	Roland Vogt
Place of residence:	D 79540 Lörrach, Badstubengeweg 29
Place and date of birth:	Lörrach 29. March 1957
Civil status:	married, 2 daughters
Work	
10/1978 - 01/1979	Orderly in the Psychiatric Hospital of the University of Basel
02/1979 - 10/1979	Jobs and travel abroad
11/1979 - 10/1981	Stage-technician at a theater.
Studies	
10/1976 – 09/1978	Pädagogische Hochschule Lörrach (D)
10/1981 – 04/1988	University of Freiburg (D), Diploma in Geography/Hydrology
10/1991 – 03/1995	PhD at the University of Basel (CH) Theorie, Technik und Analyse der experimentellen Flussbestimmung am Beispiel des Hartheimer Kiefernwaldes (Theory, technique and analysis of flux measurement at Hartheim Forest)
Career	
05/1988 - 06/1989	Assistant at the Meteorologisches Institut der Universität Freiburg
07/1989 - 10/1989	Assistant at the Institut für Physische Geographie der Universität Freiburg
11/1989 – 09/2001	Assistant/researcher at the Institut für Meteorologie, Klimatologie und Fernerkundung der Universität Basel
10/2001 – 09/2007	Oberassistent at the Institut für Meteorologie, Klimatologie und Fernerkundung der Universität Basel
10/2007 -08/2017	Junior Group Leader Micrometeorology in the Research Group Meteorology, Climatology and Remote Sensing, University of Basel
09/2017-07/2018	Interim leader Research Group Meteorology, Climatology and Remote Sensing, University of Basel
08/2018-	Leader work group micrometeorology. Department Environmental Sciences. Atmospheric Sciences. University of Basel
Main scientific projects	
04/2017-03/2020	Namib Fog Life Cycle Analysis – Field Measurements. NaFoLiCA-F. (SNF 200021E- 163291)
01/2015-01/2018	Urban Anthropogenic heat flux from Earth observation satellites. URBANFLUXES. (H2020-EO-2014, #637519) (Co-PI)
05/2012-	Station manager of the BSRN Station Gobabeb, Namibia. BSRN = Baseline surface radiation Network. bsrn.awi.de
09/2009-12/2017	Gobabas - Measurement of the Surface Energy Balance in the Namib Desert (including the operation of a BSRN station) (University funds)
10/2013-09/2016	SNF-Project: Urban climate Study of Bucharest/Romania as part of Romanian- Swiss Research Programme (RSRP) (Co-PI)
12/2008-11/2011	SustainaBle uRban plannIng Decision support accountinG for urban mEtabolism (BRIDGE) (EU 211345)
06/2008 – 05/2011	Impact of micrometeorological factors on birch pollen emission – MICROPOEM (COST Action ES0603)
01/2001-12/2003	EU-COST-Project (Action 715): Meteorology Applied to Urban Pollution Problems: Urban climatology project BUBBLE (Basel Urban Boundary Layer Experiment) (Co- PI)

Peer reviewed articles (Originalarbeiten) (2010-)

- Driemel A, Augustine J, Behrens K, Colle S, Cox C, Cuevas-Agulló E, Denn FM, Duprat T, Fukuda M, Grobe H, Haeffelin M, Hodges G, Hyett N, Ijima O, Kallis A, Knap W, Kustov V, Long CN, Longenecker D, Lupi A, Maturilli M, Mimouni M, Ntsangwane L, Ogihara H, Olano X, Olefs M, Omori M, Passamani L, Pereira EB, Schmithüsen H, Schumacher S, Sieger R, Tamlyn J, Vogt R, Vuilleumier L, Xia X, Ohmura A, König-Langlo G (2018): Baseline Surface Radiation Network (BSRN): structure and data description (1992–2017), *Earth Syst. Sci. Data*, 10, 1491-1501, <https://doi.org/10.5194/essd-10-1491-2018>.
- Senn JR, Maushart CI, Gashi G, Michel R, Lalive d'Épinay M, Vogt R, Becker AS, Müller J, Baláz M, Wolfrum C, Burger IA, Betz MJ (2018): Outdoor temperature influences cold induced thermogenesis in humans. *Front. Physiol.*, <https://doi.org/10.3389/fphys.2018.01184>
- Feigenwinter C, Vogt R, Parlow E, Lindberg F, Marconcini M, Del Frate F, Chrysoulakis N (2018): Spatial distribution of sensible and latent heat flux in the city of Basel (Switzerland). *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, DOI: 10.1109/JSTARS.2018.2807815.
- Li B, Wang L, Kaseke K, Vogt R, Li L, Seely M (2018): The impact of fog on soil moisture dynamics in the Namib Desert. *Advances in Water Resources*, 113 23-29.
- Whiteman CD, Lehner M, Hoch SW, Adler B, Kalthoff N, Vogt R, Feigenwinter I, Haiden T, Hill MOG (2018): The nocturnal evolution of atmospheric structure in a basin as a larger-scale katabatic flow is lifted over its rim. *J. Appl. Meteor. Climatol.*, 57 969-989.
- Kaseke K, Tian C, Wang L, Seely M, Vogt R, Wassenaar T, Mushi R (2017): Fog spatial distributions over the Central Namib Desert an isotope approach. *Aerosol and Air Quality Research*, 18(1) 49-61.
- Lehner M, Whiteman CD, Hoch SW, Croman E, Jeglum M, Cherukuru N, Calhoun R, Adler B, Kalthoff N, Rotunno R, Horst T, Semmer S, Brown W, Oncley S, Vogt R, Grudzielanek M, Cermak J, Fonteyne N, Bernhofer C, Pitacco A (2016): The METCRAX II field experiment — A study of downslope windstorm- type flows in Arizona's Meteor Crater. *Bull. Amer. Meteor. Soc.*, 97 217–235.
- Schmutz M, Vogt R, Feigenwinter C, Parlow E (2016): Ten years of eddy covariance measurements in Basel, Switzerland: Seasonal and interannual variabilities of urban CO₂ mole fraction and flux. *J. Geophys. Res. Atmos.*, 121 8649–8667
- Horst TW, Vogt R, Oncley SP (2016): Measurements of flow distortion within the IRGASON integrated sonic anemometer and CO₂/H₂O gas analyzer *Boundary-Layer Meteorol.*, 160(1) 1-15. <https://doi.org/10.1007/s10546-015-0123-8>
- Kaspar F, Helmschrot J, Mhanda A, Butale M, de Clercq W, Kanyanga J K, Neto F O S, Kruger S, Castro Matsheka M, Muche G, Hillmann T, Josenhans K, Posada R, Riede J, Seely M, Ribeiro C, Kenabatho P, Vogt R, Jürgens N (2015): The SASSCAL contribution to climate observation, climate data management and data rescue in Southern Africa, *Adv. Sci. Res.*, 12 171-177.
- Lietzke B, Vogt R, Feigenwinter C, Parlow E (2015): On the controlling factors for the variability of carbon dioxide flux in a heterogeneous urban environment. *Int. J. Climatol.*, doi: 10.1002/joc.4255.
- Parlow E, Vogt R, Feigenwinter C (2014): The urban heat island of Basel – seen from different perspectives. *Die Erde*, 145(1-2) 96-110.
- Lietzke B, Vogt R (2013): Variability of CO₂ concentrations and fluxes in and above an urban street canyon. *Atmospheric Environment*, 74 60-72.
- Gartmann A, Müller MD, Parlow E, Vogt R (2012): Evaluation of numerical simulations of CO₂ transport in a city block with field measurements. *Environmental Fluid Mechanics*, 12 185-200.
- Hammer E, Bukowiecki N, Gysel M, Jurányi Z, Hoyle CR, Vogt R, Baltensperger U, Weingartner E (2014): Investigation of the effective peak supersaturation for liquid-phase clouds at the high-alpine site Jungfraujoch Switzerland (3580 m asl). *Atmos. Chem. Phys.*, 14 1123-1139.
- Michel D, Rotach MW, Gehrig R, Vogt R (2012): On the efficiency and correction of vertically oriented blunt bioaerosol samplers in moving air. *Int. J. Biometeorol.*, 56 1113-1121.
- Frey CM, Parlow E, Vogt R, Harhash M, Abdel Wahab MM (2011): Flux measurements in Cairo. Part 1: in situ measurements and their applicability for comparison with satellite data. *Int. J. Climatol.*, 31(2) 218-231.
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