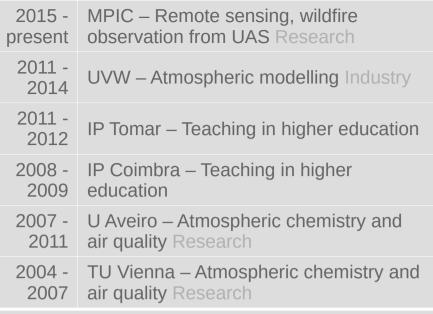
Alexandre Caseiro Neue Mainzer Straße 94 55129 Mainz Germany

+49 1575 322 16 27

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## **Technical skills:**

- Atmospheric modelling: TAPM. AERMOD. CALPUFF. AUSTAL2000. CALROADS, SLAB, EDMS
- Indoor air modelling: CONTAM
- Environmental risk: AI OHA
- Air quality monitors
- Ion chromatography
- delignification and saccharification enzymatic methods, XAD/DAX resins
- GIS: ArcGIS and QGIS (basic), GDAL/OGR with bash, R and python
- Remote sensing: python, SNAP
- Databases: Access/SQL





R: statistical testing, GIS: raster, sp, rgeos, rgdal, data analysis, visualization and modelling, literate programming: knittr



Python: analysis and visualization of large datasets: scipy/numpy, matplotlib, objectoriented programming, image processing: imageio, XML: Ixml



**bash/zsh:** data manipulation: grep, (g)awk, sed, ..., GIS: GDAL/OGR, image & video: Imagemagick, ffmpeg



Perl: data manipulation. LATEX • git









https://www.linkedin.com/in/alexandre-caseiro-90b1a635/ https://github.com/AlexCaseiro1979 https://anaconda.org/AlexCaseiro1979/

https://www.researchgate.net/profile/Alexandre Caseiro https://scholar.google.com/citations?user=IJSqFU4AAAAJ&hl=en

In my free time, I enjoy reading, trail running, road and montain cycling, montaineering, skiing and rugby.

Extended version of this CV: https://github.com/AlexCaseiro1979/CV\_AlexCaseiro/raw/master/CVAlexCaseiro\_EN.pdf



## **Research indicators:**

- 1 Patent
- 37 works in peer-reviewed journals (5 as first author, 26 in Q1 journals)
- 3033 citations (Google scholar)
- h-index: 23 (Google scholar)
- i-10 index: 28 (Google scholar)
- Co-author of 1 book chapter
- 10 scientific-technical reports
- 49 posters and talks (13 as presenting or first author) (37 published in proceedings)
- 5 works at schools, workshops, seminars
- evalution board of 1 PhD thesis and 4 MSc thesis
- supervision of 2 BSc final works
- phD thesis:

https://ria.ua.pt/bitstream/10773/70 4/1/2009000749.pdf