

# Anneke Martien Batenburg - Curriculum Vitae



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## Keywords

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Atmospheric chemist with experimental physics background, interest in sustainability issues and good communication and presentation skills.

## Research Experience

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| 05/2012–CURRENT | Researcher at the Institute for Marine and Atmospheric research Utrecht (IMAU), Utrecht University (UU)<br><i>Investigation of the global hydrogen cycle with isotope measurements</i>  |
| 02/2008–05/2012 | PhD project at IMAU<br><i>Global scale observations of atmospheric molecular hydrogen and its stable isotopic composition</i><br>To study the atmospheric molecular hydrogen (H <sub>2</sub> ) cycle, the mixing ratio and stable isotopic composition ( $\delta D$ ) of H <sub>2</sub> were measured in air samples collected around the world with a GC-IRMS system. Samples were collected from a network of background stations, from aircraft campaigns and from a tall measurement tower in a heavily populated region of the Netherlands.<br><i>Supervisor: Prof. dr. T. Röckmann, PhD defense: 10/09/2012</i> |
| 09/2006–10/2007 | MSc project at Max Planck Institute for Metals Research (now: Intelligent Systems)<br><i>Time domain and frequency domain Vibrational Sum Frequency Generation on biodegradable poly(L-lactic acid) films</i><br>The interface and bulk structure of films of a chiral polymer were studied with a “Vibrational Sum Frequency Generation” laser spectroscopy setup adapted for time-resolved measurements.  |
| 09/2004–07/2005 | BSc project at IMAU<br><i>The influence of formaldehyde on the formation of sulfate in cloud droplets, studied with the IMAU cloud parcel model</i>   |

## Education

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| 02/2008–09/2012 | PhD degree in Physics and Astronomy, UU  |
| 09/2005–10/2007 | MSc degree in Physics and Astronomy, UU<br><i>Program ‘Chemistry and Physics’, organized by Debye Institute</i>                              |
| 09/2001–01/2006 | BSc degree in Physics and Astronomy, UU<br><i>Interrupted in 2003–2004 for membership of study association board, see ‘Other activities’</i> |
| 09/2001–08/2002 | ‘Propedeuse’ (first year of academic education) in Physics and Astronomy, UU<br><i>Cum laude (with honor)</i>                                |
| 09/2001–08/2002 | Propedeuse in Chemistry, UU<br><i>Cum laude (with honor)</i>   |

## Teaching experience (part-time assistantships)

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2008-2012	Teaching Assistant at bachelor's courses <i>Assisting with an introductory climate science course and physics practicals, <math>\approx 10\%</math> of PhD candidate appointment</i>
2005-2006	Manager of third-year course evaluations <i>Chairman and coordinator of a 'response group' of students that evaluated the quality of courses in the third year of the UU bachelor's program in physics, UU dept. of Physics and Astronomy</i>
2003-2005	Assistant for demonstration experiments <i>Preparing of demonstration experiments, and showing and explaining them to students during physics lectures, UU dept. of Physics and Astronomy</i>
2003-2006 (SPRING)	Teaching assistant at pre-exam courses for high school students <i>Assisting with intensive 3-day physics courses to prepare high school students for the national final exam, Stichting Studiebegeleiding Leiden</i>

## Attended courses

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2003-2012	First Aid and emergency procedures training <i>UU facilities management</i>
09/2009	NCAS Summer School in Atmospheric Measurement <i>Isle of Arran, UK</i>
SPRING 2009	Writing in English for Scientists <i>James Boswell Institute, UU</i>
07/2008	Zukunftskolleg Summer School 'Observing and Understanding Earth' <i>University of Konstanz, Germany</i>
2006-2007	German for Non-Native Speakers <i>Volkshochschule Stuttgart, level C1</i>
2005	ConsultancyChallenge <i>Study Association 'A-Eskwadraat'</i>

## Awards and grants

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2008	Zukunftskolleg Summer School 2008 Student Poster Award <i>Second prize, €100,-</i>
2006	Leonardo grant <i>UU grant for students doing internships abroad, €1080,-</i>
2003	Grant for A-Eskwadraat board members <i>UU grant for students that do volunteer work for study associations, <math>\approx</math> €3000,-</i>
2001	VNCI (Association for the Dutch Chemical Industry) prize for high grade (10/10) at national high school chemistry exam <i>Awarded on the condition that I would study Chemistry at a Dutch university for at least one year. €900,-</i>

## Other activities

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2010–CURRENT	Webmaster Benelux Association for Stable Isotope Scientists (BASIS) <i>Maintenance of website <a href="http://www.basis-online.eu">www.basis-online.eu</a></i>
10/2007–02/2008	Temp job at 'Het Vierde Huis' <i>Taking surveys among social housing inhabitants, Utrecht</i>
2003–2004	Board member of Study Association 'A–Eskwadraat' <i>Function: Head of Study Books, logistics and administration of the distribution of study books to A–Eskwadraat members</i>
2001–2005	Member of several A–Eskwadraat committees <i>Among others: Freshman Committee 2001, Year-book Committee 2002, Study Trip Committee 2005 (Istanbul), World Year of Physics Committee 2005</i>
2002–2009	South South-Holland regional NJN (Dutch Youth Association for Field Biology) board member <i>Treasurer 2002–2009, chairman 2005–2009</i>
MISCELLANEOUS	Taekwondo, pilates, playing the recorder, walking, cycling, reading, going to the movies