

# Jan Jaap Meijer

## Curriculum Vitae

+31 6 417 09 565  
✉ [janjaapmeijer@gmail.com](mailto:janjaapmeijer@gmail.com)  
in [janjaapmeijer](#)  
🌐 [janjaapmeijer](#)  
📧 [meijerjanjaap](#)



*A flexible and motivated researcher at the Stockholm Environment Institute seeking a PhD position in (sea-going) physical oceanography, which will utilise the communication and numeracy skills developed during my studies as well as my working experience (abroad) in companies and research institutes. During my degree I successfully combined my studies with internships and part time jobs, journeys and other commitments showing myself to be self-motivated, organised and being able to work with others. I have a clear, open mind with a practical approach to problem solving driven by societal and environmental innovation for sustainability. In conclusion, I would describe myself as an enthusiastic, hardworking, eager to learn and reliable person who has a passion for waves and seas.*

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### Personal Data

Date of birth 3 March 1986  
Place of birth Winterswijk, the Netherlands  
Nationality Dutch

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### Education

- 2011 – 2014 **Master of Science in Meteorology, Physical Oceanography and Climate**, UTRECHT UNIVERSITY, the Netherlands.  
Primary electives: Geophysical Fluid Dynamics, Ocean Waves and Physics of Coastal Systems  
Secondary elective: Ice and Climate
- 2012 **Visiting student at the department of (Physical) Oceanography**, ROYAL NETHERLANDS INSTITUTE FOR SEA RESEARCH (NIOZ), Texel, the Netherlands.  
Secondary elective: multidisciplinary oceanography course (Sea-going course)  
Project: Making, analysing and interpreting observations, "Temperature profiles along the Southern Boundary of the North Sea - measurements by seals".
- 2012 **Visiting student at the department of Coastal Engineering**, DELFT UNIVERSITY OF TECHNOLOGY, the Netherlands.  
Secondary electives: Coastal Dynamics, Coastal Zone Management and Waterpower Engineering
- 2011 **Summer school in Physics of the Climate System**, UTRECHT UNIVERSITY, the Netherlands.
- 2004 – 2011 **Bachelor of Engineering in Aeronautical Engineering**, INHOLLAND UNIVERSITY, Delft, the Netherlands.  
Major: Technical Engineering  
Minor: Lightweight structures design and Aerospace Technology

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## Masters Thesis

- Title *Modelling the formation of coral cays on platform reefs.*
- Supervisors Prof. dr. H.E. de Swart, dr. M. van der Vegt and dr. ir. A. van Dongeren
- Description A modelling study to investigate the effects of wave dissipation, wave-generated currents and sediment transport on the formation and positioning of coral cays on platform reefs.

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## Experience

### Research experience

- 2015 – Present **Research Associate**, STOCKHOLM ENVIRONMENT INSTITUTE (SEI), Stockholm, Sweden, <http://www.sei-international.org>.  
A case study in which a set of coastal risk tools developed in the RISC-KIT project are applied, to assess the Kristianstad Municipality coastline in Sweden on flooding and erosion during extreme storm events.
- 2013 – 2014 **Graduate intern at the department of Sediment transport and Morphology**, DELTARES - *institute for applied research*, Delft, the Netherlands, <http://www.deltares.nl>.  
A research study addressing the formation of coral cays on platform reefs.

### Sea-going experience

- 2015 **Scientist**, NIOZ - RV PELAGIA, Rainbow thermal field on the Mid-Atlantic Ridge near the Azores, 6 - 14 April 2015.  
Assisting in recovering deep-sea moorings, controlling CTD casts during "yo-yo" and "tow-yow" surveys and a first attempt in analysing the recovered mooring datasets.
- 2008 – Present **Seaman at the deck department**, REDERIJ HALFLAND - *shipping company*, Rotterdam, the Netherlands, <http://www.halfland.nl>.  
Assisting steersman and captain on two and three-masted sailing ships.

### Teaching experience

- 2015 **Teacher in Physics and Mathematics**, LYCEO/ INWIJS, Leiden, the Netherlands, <http://www.lyceo.nl> / <http://www.inwijs.nl>.  
Giving instruction and additional attention to secondary school students.

### Engineering experience

- 2011 **Undergraduate intern at the department of Research and Development**, CTC GMBH *subsidiary of* AIRBUS DEUTSCHLAND GMBH, Stade, Germany, <http://www.ctc-gmbh.com>.  
Developing processes for "Out of Autoclave" rework on the Airbus A350-1000 Fuselage, made primarily of carbon fibre reinforced plastic.
- 2003 – 2011 **Fieldworker**, NAWI BV, Borculo, the Netherlands, <http://www.nawi.nl>.  
Welding and assembling of steel structures in the food-industry.
- 2010 **Optimisation Engineer**, SPEARS & STIJNMAN, The Hague, the Netherlands.  
Analysing and optimising of mobile telecom networks.
- 2007 – 2008 **Intern at the department of Design/ Analysis and Project Management**, FACC AG, Ried im Innkreis, Austria, <http://www.facc.at>.  
Designing and analysing of composite components for the Boeing 787 Spoiler project.

2006 **Trainee Mechanic**, HET KLASSIEKER CENTRUM, Delft, the Netherlands,  
<http://www.klassiekercentrum.nl>.  
Repairing and restoring classic cars.

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## Conference presentations

2016 **From storm hazards at the coast, to impacts on the hinterland - RISC-KIT project**, *Climate Change Adaptation in the Coastal Zone conference organised by FÖRENINGEN VATTEN (Swedish Association for Water) in cooperation with the LUND UNIVERSITY and the WORLD MARITIME UNIVERSITY*, Malmö, Sweden.

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## Languages

Dutch	Native language	
English	Fluent	<i>speaking and writing</i>
German	Intermediate	<i>speaking and writing</i>
French	Basic knowledge	<i>speaking and writing</i>
Portuguese	Basic knowledge	<i>speaking</i>
Spanish	Basic knowledge	<i>speaking</i>

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## Skills/ Abilities

### Communication

Reading	Proficient in reading technical manuals and scientific papers
Writing	Proficient in writing technical and scientific reports
Presenting	Confident in public speaking and work floor discussions

### Information technology

Operating systems	Windows, Mac OSX, Linux Mint
Programming languages	Python, Fortran, HTML
Productivity software	Microsoft Office suite, LaTeX
Engineering design packages	CATIA, Patran/ Nastran, Matlab/ Simulink
Modelling software	XBeach, Delft3D, LISFLOOD
Geographic information system	QGIS

### Certificates

Date of expiry:	International certificate for operators of pleasure craft	<i>Inland/ Coastal waters</i>
3 March 2056		
26 March 2020	Survival at Sea certificate	
3 March 2017	Seafarer medical certificate	<i>Worldwide</i>

### Others

Car and motorcycle driving license	<i>category A and B</i>
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## Memberships

S.W.V. Plankenkoorts	Member of students windsurf club
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- Member of activities committee
  - Organisation member of the band contest "MadFest" and the event "IJs-selmeer Crossing"
- Scouting Cycloongroup    Formerly member  
Borculo
- Giving guidance to scouts of 10 to 15 years old.
  - Chair of our own Scout group.

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## Other interests

- Surfing
- Sailing
- Travelling (South America (6 months in 2014), Panama, Costa Rica, Brazil, Indonesia, Fuerteventura and Europe)
- Motorcycling
- Restoring an English classic sports car

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## References

Available upon request