

# Curriculum vitae with track record

**Role in the project** Project manager X

## Personal information

First name, Surname:	Ritske Sipke Huismans		
Date of birth:	20.04.1961	Sex:	Male
Nationality:	Netherlands		
Researcher unique identifier:	<a href="https://orcid.org/0000-0003-0548-6591">https://orcid.org/0000-0003-0548-6591</a>		
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## Education

Year	Faculty/department - University/institution - Country
1999	Ph.D., Department of Earth Science, Vrije Universiteit, Amsterdam, the Netherlands
1994	Master, Department of Earth Science, Vrije Universiteit, Amsterdam, the Netherlands

## Positions

Year	Job title – Employer - Country
2006-	Full Professor, Department of Earth Science, Bergen University, Norway
2004-2006	Adjunct professor, Geodynamics group, Dalhousie University, Canada
2003-2004	Research Associate, Geodynamics group, Dalhousie University, Canada
1999-2003	Post doctoral fellow, Geodynamics group, Dalhousie University, Canada

## Project management experience

Year	Project owner - Project - Role - Funder
2021	Mid-Norwegian Continental Margin Magmatism – expedition 396 scheduled for august – September 2021 – IODP (~15m USD) – Principal Investigator
2015-2021	COLORS-coupling lithosphere deformation, surface processes and stratigraphy – 8 PhD's and post docs, Total AS (55m NOK) – Principal Investigator
2014-2018	Barents Sea basin configurations – 2 post docs, 1 PhD, NFR- Petromaks2 (15m NOK) – Principal Investigator
2009-2016	Earth System Modelling – 9 Post docs and one full professor – Statoil (45m NOK) – Principal Investigator
2009-2013	TopoEurope project PYRTEC – 4 PhD and 2 post docs, ESF (14m NOK) – Principal Investigator
2008-2011	3D modelling of passive margin formation – 1 PhD and 1 post docs, NFR (7m NOK) – Principal Investigator
2006-2008	EU International Reintegration Grant – EU (80 kEuro) – Principal Investigator
<b>OTHER CO-INVESTIGATOR PROJECTS</b>	
2020-2024	Deeprift (39m NOK) – 5 postdocs, 2 PhD, NFR Petromaks2 – Co-Investigator
2012-2016	MultiRift – 5 postdocs, 3 PhD, NFR Petromaks2 (24m NOK) – Co-Investigator
2009-2012	Geothermal energy production – 2 PhD & 2 post docs, NFR (14m NOK) – Co-Investigator
2009-2011	Fracture networks – 1 post doc, StatoilHydro (2.4m NOK) – Co-Investigator
2008-2011	Integrated study of the Barents Sea – 4 PhD and post docs, NFR (20m NOK) – Co-Investigator

## Supervision of students

Master's students	Ph.D. students	University/institution – Country
10	8	Department of Earth Science, Bergen University, Norway
2		Geodynamics group, Dalhousie University, Canada

## Other relevant professional experiences

### Institutional responsibilities

	Description - Role
2015-2022	Deputy Head of Department, Department of Earth Science, Bergen University, Norway
2010-	Head of Geodynamics and Basin Studies research group, Department of Earth Science, UiB
2006-2021	Member of a Committee evaluating faculty positions (10 in total), UiB
2006-2015	UiB coordinator of international Basin Master program, jointly with VU Amsterdam, Rennes, Aachen, Grenoble University
2006-	Main supervisor of 14 post-doctoral fellows and researchers

### Organisation of scientific meetings

	Description - Role
1999-	I have organised a number of scientific meetings and summer schools in the context of international projects. I have convened multiple sessions at international conferences

### Commissions of trust in academic organisations

	Name organisation and role
	Member of Steering Committee for the ESF TopoEurope Programme
	Member of the expert panel evaluation Oulu University, Finland
	Member of the Earth Science Panel for Research Grants, Finland
	Regular reviewer for proposals from national funding agencies in USA, UK, France, ESF, EU, ERC
	Regular reviewer for Nature, Science, and leading specialist journals

### Major research collaborations

Prof. Jan Inge Faleide (University of Oslo)	Passive margins studies.
Prof. Sverre Planke (University of Oslo)	Passive margins studies.
Prof. Dave May (Oxford University)	3D and 2 phase flow modelling of magmatism.
Prof. Magdalena Scheck Wenderoth (GFZ Potsdam)	3D basin modelling, Norwegian margin.
Prof. Christian Tegner (Aarhus University)	Petrology/geochemistry of mantle melting.
Prof. Robert Gawthorpe (University of Bergen)	Tectonics and basin geology.
Prof. J. Braun (Rennes University)	Modelling tectonics and landscape evolution.
Dr Delphine Rouby (Université Toulouse)	Surface processes and tectonics.
Prof. Josep Anton Munoz (Universidad de Barcelona)	Mountain building, salt tectonics

## Track record

- Total of 69 peer reviewed publications.
- Oral contributions at scientific meetings >130
- Keynotes and invited presentation (Europe, USA, Canada, Australia, and South Africa) > 60
- Convener at international conferences: >20
- Citations (Google scholar): 3524, H-Index: 31

### ***10 Selected recent publications:***

Main supervisor / senior author for PhD student or post-doctoral fellow publication marked with \*

\*Theunissen, T., **Huisman, R.S.**, Lu, G., Riel, N., Relative continent/mid-ocean ridge elevation: A reference case for isostasy in geodynamics, **Earth-Science Reviews**, 2022, <https://doi.org/10.1016/j.earscirev.2022.104153>.

\*Wolf, S., **Huisman, R.S.**, Braun, J., Yuang, X., Topography of mountain belts controlled by rheology and surface processes, **Nature** **606**, 516–521 (2022). <https://doi.org/10.1038/s41586-022-04700-6>

- \*Theunissen, T., **Huismans, R.S.**, Mantle exhumation at magma-poor rifted margins: a competition between frictional shear zones and thermally weakened necking domains, *Nat Communications*, **13**, 1634 (2022). <https://doi.org/10.1038/s41467-022-29058-1>.
- \*Lu, G., **Huismans, R.S.**, Melt volume at Atlantic volcanic rifted margins controlled by depth-dependent extension and mantle temperature, *Nature communications*, 2021.
- Berndt, C., Planke, S., Teagle, D., Huismans, R., Torsvik, T., Frieling, J., Jones, MT., Jerram, DA., Tegner, C., Faleide, JI., Coxall, H., and Wei-Li, W. (2019) *Northeast Atlantic breakup volcanism and consequences for Paleogene climate change - MagellanPlus Workshop report* Scientific Drilling, 26 . pp. 69-85. DOI [10.5194/sd-26-69-2019](https://doi.org/10.5194/sd-26-69-2019).
- \*Duclaux, G., Huismans, RS, May, DA, [Rotation, narrowing, and preferential reactivation of brittle structures during oblique rifting](#), *Earth and Planetary Science Letters*, 2020.
- \*Theunissen, T., & Huismans, R. S. ( 2019). Long-term coupling and feedback between tectonics and surface processes during non-volcanic rifted margin formation. *Journal of Geophysical Research: Solid Earth.*, 124, 12323– 12347. <https://doi.org/10.1029/2018JB017235>
- \*Wang, H., Huismans, R. S., & Rondenay, S. ( 2019). Water migration in the subduction mantle wedge: A two-phase flow approach. *Journal of Geophysical Research: Solid Earth*, 124, 9208– 9225.<https://doi.org/10.1029/2018JB017097>
- Huismans, R.S. Beaumont**, 2014: Contrasting Characteristics of Rifted Continental Margins Explained by Depth-Dependent Lithospheric Extension: Effects of Detachment and Strong and Weak Lower Crust, *Earth Planet. Sci. Lett.*, 407, 148-162.
- Huismans, R.S. Beaumont**, 2011: Depth-dependent extension, two-stage breakup and cratonic underplating at rifted margins, *Nature*, 473, 2011. doi:10.1038/nature09988.

#### **Major contributions to the early careers of excellent researchers.**

Several of my former PhD students and post docs have continued into academic research careers, as University Professors (P. Steer, C. Thieulot, S. Jammes, V. Pedersen).