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## Challenges and perspectives in modelling biosphere-atmosphere exchange of ammonia

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VRIJE UNIVERSITEIT

CHALLENGES AND PERSPECTIVES IN MODELLING  
BIOSPHERE-ATMOSPHERE EXCHANGE OF AMMONIA

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad Doctor aan  
de Vrije Universiteit Amsterdam,  
op gezag van de rector magnificus  
prof.dr. V. Subramaniam,  
in het openbaar te verdedigen  
ten overstaan van de promotiecommissie  
van de Faculteit der Bètawetenschappen  
op woensdag 3 juli 2019 om 11.45 uur  
in de aula van de universiteit,  
De Boelelaan 1105

door

**Frederik Schrader**

geboren te Peine, Duitsland

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