# **Environmental Models and Bayesian Inference**

# **Application Letter**

Lecturers and organizers: Dmitri Kavetski (University of Adelaide) and Juliane Mai (University of Waterloo)

### Background knowledge

Rate yourself! Please fill the following table by judging your basic mathematical, statistical and computational background. (1=no knowledge, 3=used in a course but not used since then, 5=used maybe once per week but still have to look up most of commands, 7=daily usage and on my way to become expert, 10=expert and daily usage).

Mathematical Modeling:	Basic calculus
	Ordinary differential equations
Statistics:	Basic properties of probability distributions, including
	Gaussian and exponential distributions
Programming:	Matlab
	Python
	R
	Excel
	Other program/language:
	Other program/language:

-	1	2	3	4	5	6	7	8	9	10

# Background/ education/ field of research

Write 3-4 sentences about your educational background, your major subjects of education and your current field of research. (Use additional page if the space is not sufficient.)

#### Motivation to attend course

Wirite 2-3 sentences about where you want to apply the techniques learnt during this course. Which kind of applications do you have? Which problems do you want to address? (Use additional page if the space is not sufficient.)

## Expectation

Write 1-2 sentences to describe what you expect to learn during this course? Do you want to get an overview? Do you want to use it for a specific problem? Do you want to understand literature better? (Use additional page if the space is not sufficient.)

Please send to juliane.mai@uwaterloo (Subject: Application Env. Models & Bayesian Inference – YOUR NAME) no later than February 10<sup>th</sup> 2 pm). The decision will be made until February 13<sup>th</sup>. You will be notified by email.