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Time dynamic pollution risk modelling of groundwater at the pan-African scale

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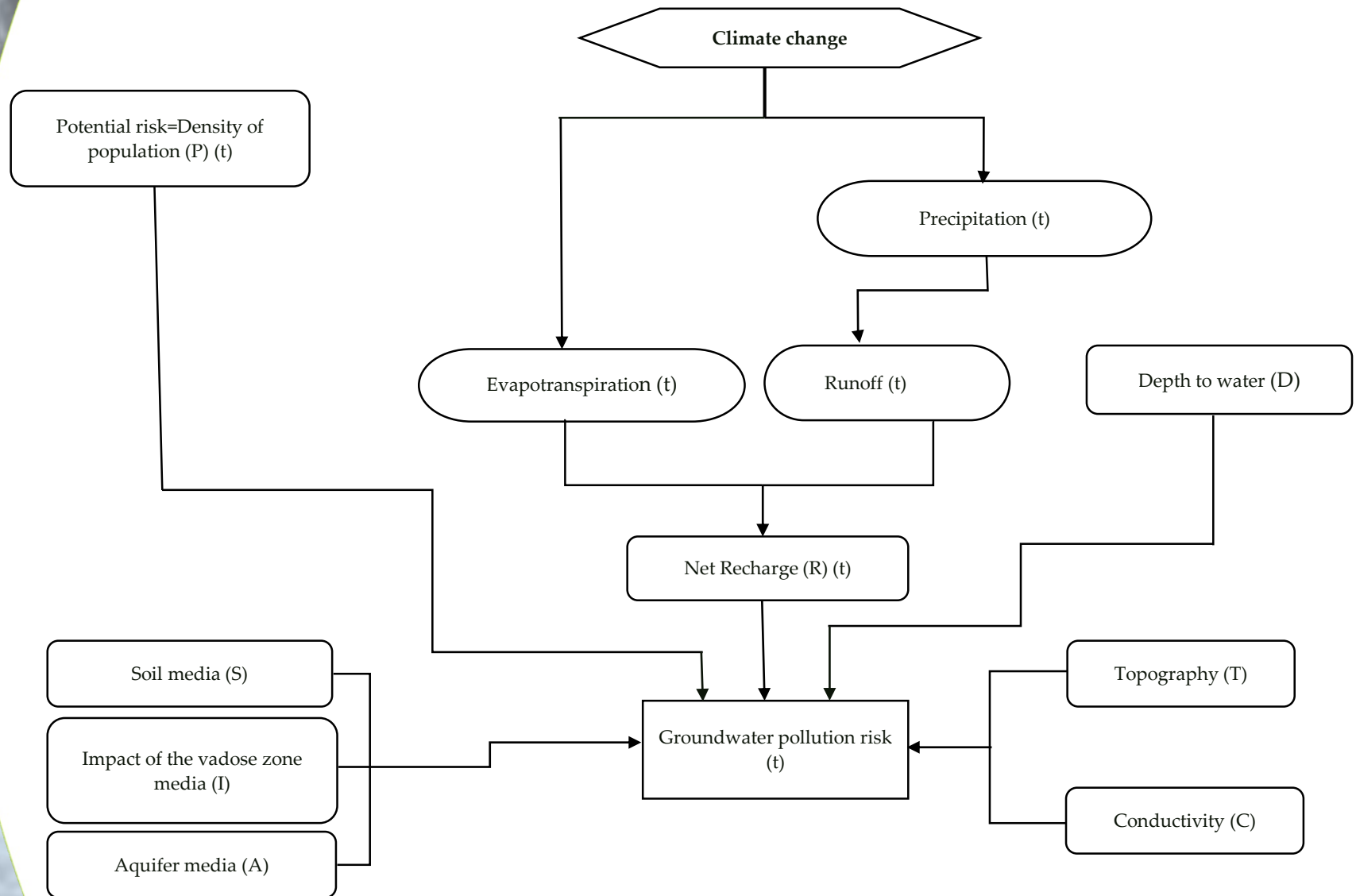
Louvain4Water



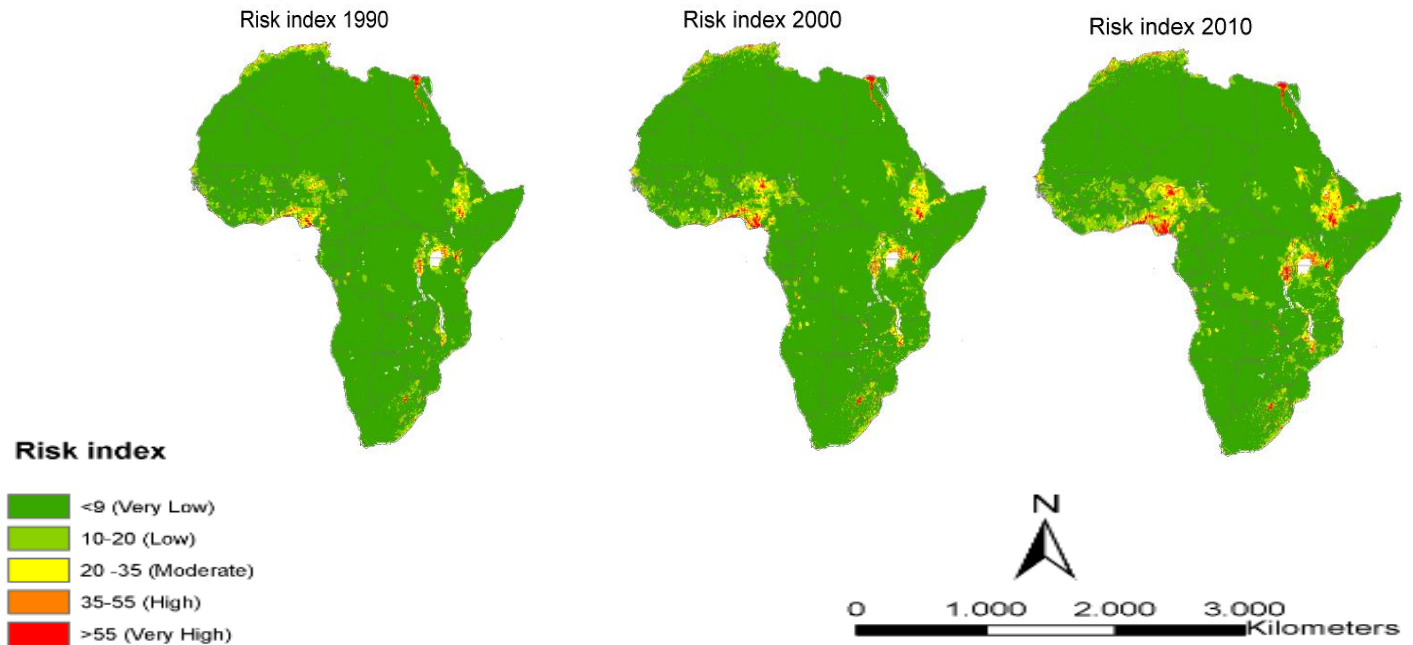
Objective

To assess the time dynamic behaviour,
of groundwater pollution risk,
at the continental scale of Africa,
using the parametric DRASTIC model.

Methodology



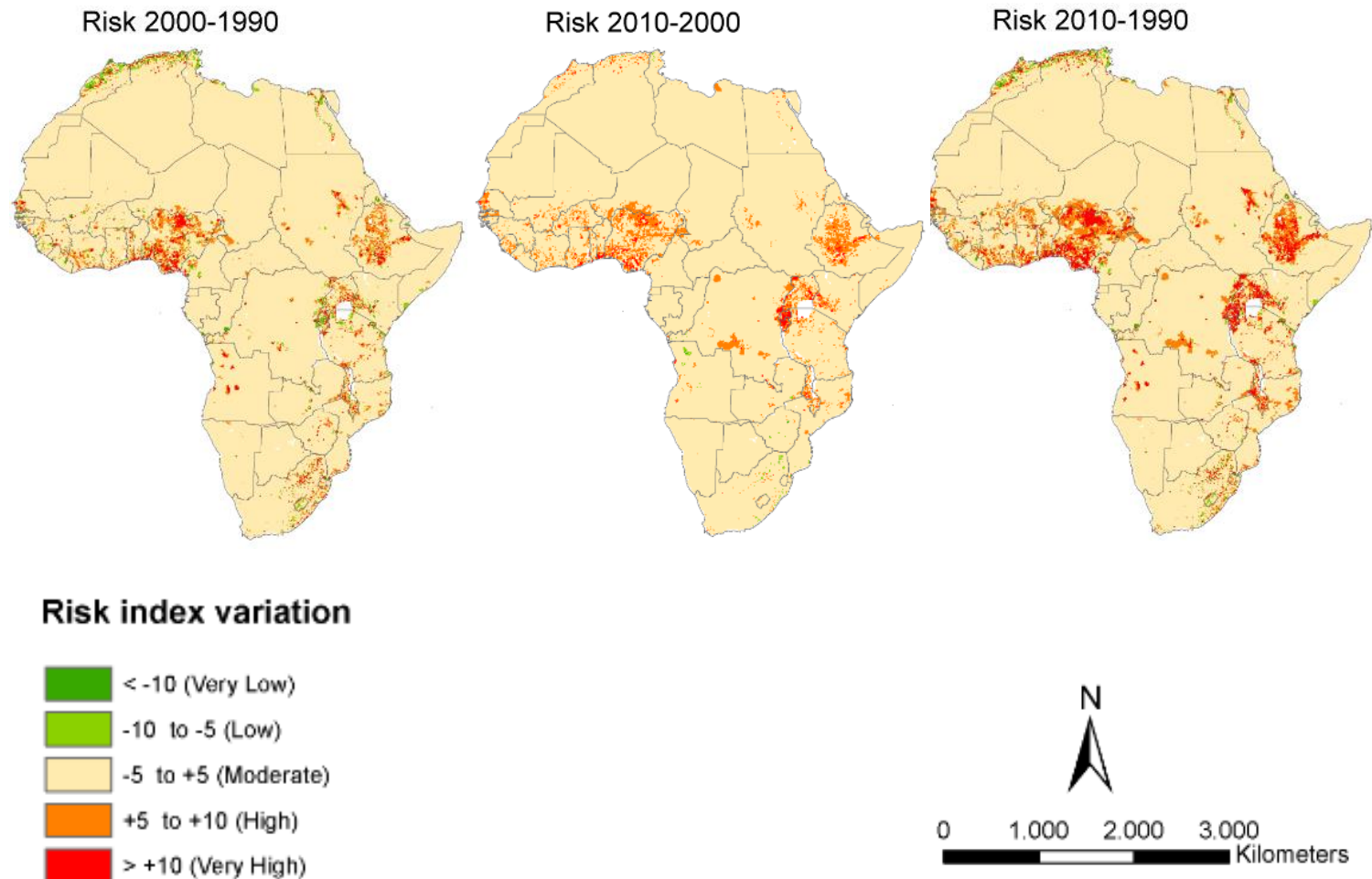
Results: Time Groundwater pollution risk



Percent of different pollution risk classes

Year/period	Pollution risk class				
	Very low	Low	Moderate	High	Very high
Year 1990	91.98 %	5.5 %	1.66 %	0.55 %	0.29 %
Year 2000	81.63 %	6.49 %	2.50 %	0.87 %	0.48 %
Year 2010	86.79 %	7.94 %	3.22 %	1.26 %	0.76 %

Absolute comparison of groundwater vulnerability to pollution for 1990, 2000, and 2010



Thanks!

- **Ouedraogo, I., Girard, A., Defourny, P., Vanclooster, M., and Jonard, F. (2017).** Time dynamic pollution risk modelling of groundwater at the African scale. *To be submitted.*

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