Oct 19, 2021

Postdoctoral Researcher Position: Quantitative Ecosystem Services Evaluation

Aquanty is seeking to hire a postdoctoral researcher to study linkages between integrated groundwater – surface water hydrology, ecosystem services, and economics.

Location: Waterloo, ON, Canada. Remote work is an option.

Education: PhD in a relevant discipline, such as applied math, environmental engineering, earth science, economics, etc.

Position Description: The successful applicant will work as part of a collaborative team that includes Aquanty, AAFC, NRCan, and ECCC researchers. The primary focus of the applicant's research will be to characterize and value ecosystem services that have direct and indirect linkages to groundwater and surface water hydrology in humid climate regions with shallow groundwater systems and intensive agricultural land use. It is intended that the applicant will conduct a considerable amount of modeling, and data/geospatial analysis, and hence should have a quantitative background. There will be considerable opportunity to author/coauthor scientific manuscripts, and to expand one's scientific network through participation in the Canada 1 Water program. This is a two-year position with opportunity for extension, and comes with a very competitive salary and comprehensive benefits package.

Desired Qualifications:

- Excellent communication capabilities, both written and inter-personal
- Experience with ecosystem services models (e.g. InVEST, ARIES)
- Experience with economic valuation of ecosystem services
- Fundamental understanding of groundwater and surface water hydrology
- Demonstrated ability to write, and to publish in peer reviewed journals

Please send your resume to hr@aquanty.com

About Aquanty

Aquanty is a research spin-off company from the University of Waterloo specializing in simulations of how water moves through the natural environment. Our best-in-class simulation platform, **HydroGeoSphere**, is used in a number of industries including: agriculture, oil and gas, mining, watershed management, contaminant remediation, and nuclear storage and disposal to support water related decision making.