

第139回 汽水域懇談会

Connecting numerical models to lake restoration strategies for the Rotorua lakes, New Zealand

日 時：2018年 10月11日(木) 17:00 – 18:00

場 所：エスチュアリー研究センター 2階セミナー室



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【講演概要】

Ten lakes in the Rotorua region of New Zealand are monitored monthly at mid-lake stations for a number of physical, chemical and biological attributes. These data are complemented by high frequency sensor data for several of the lakes. The combined data provide an excellent opportunity to model lake processes for the purpose of developing scientific hypotheses about lake functions or to explore a range of options to manage eutrophication. Several of the implemented lake management options have been underpinned with predictions from lake models. Other options – those already implemented – have been examined using model hindcasts to understand why they may have succeeded or failed. The models have been a key part of generating future environmental scenarios for the lakes, often linked to community consultation for the purpose of designing the scenarios.

講演者紹介：

David Hamilton is the Deputy Director of the Australian Rivers Institute, Griffith University. He has held academic positions at the University of Waikato (New Zealand) and the University of Western Australia. He is Editor-in-Chief of the international scientific journal *Inland Waters* (<https://www.tandfonline.com/loi/tinw20>). He is a co-founder of the Global Lake Ecological Observatory Network (GLEON; www.gleon.org). See <https://scholar.google.com.au/citations?user=yPBh7OkAAAAJ&hl=en> for his google scholar research profile.