

Europe's largest climate change experiment on freshwater systems - outcomes and implications

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In 2005, we launched the largest experiment on the impact of climate change on freshwater aquatic systems. In 48 large-scale outdoor mesocosm tanks we investigated how increased temperature will affect shallow freshwater systems by artificial heating over a 2-year period, coupled to predation impact and different nutrient concentrations. The experiment was terminated in September 2007 and impacts on freshwater communities and changes of photosynthesis and community respiration will be presented.