



XLII

International School of Hydraulics

20 - 23 May 2025

• Radocza

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How the choice of model calibration procedure affects projections of lake surface water temperatures for future climatic conditions

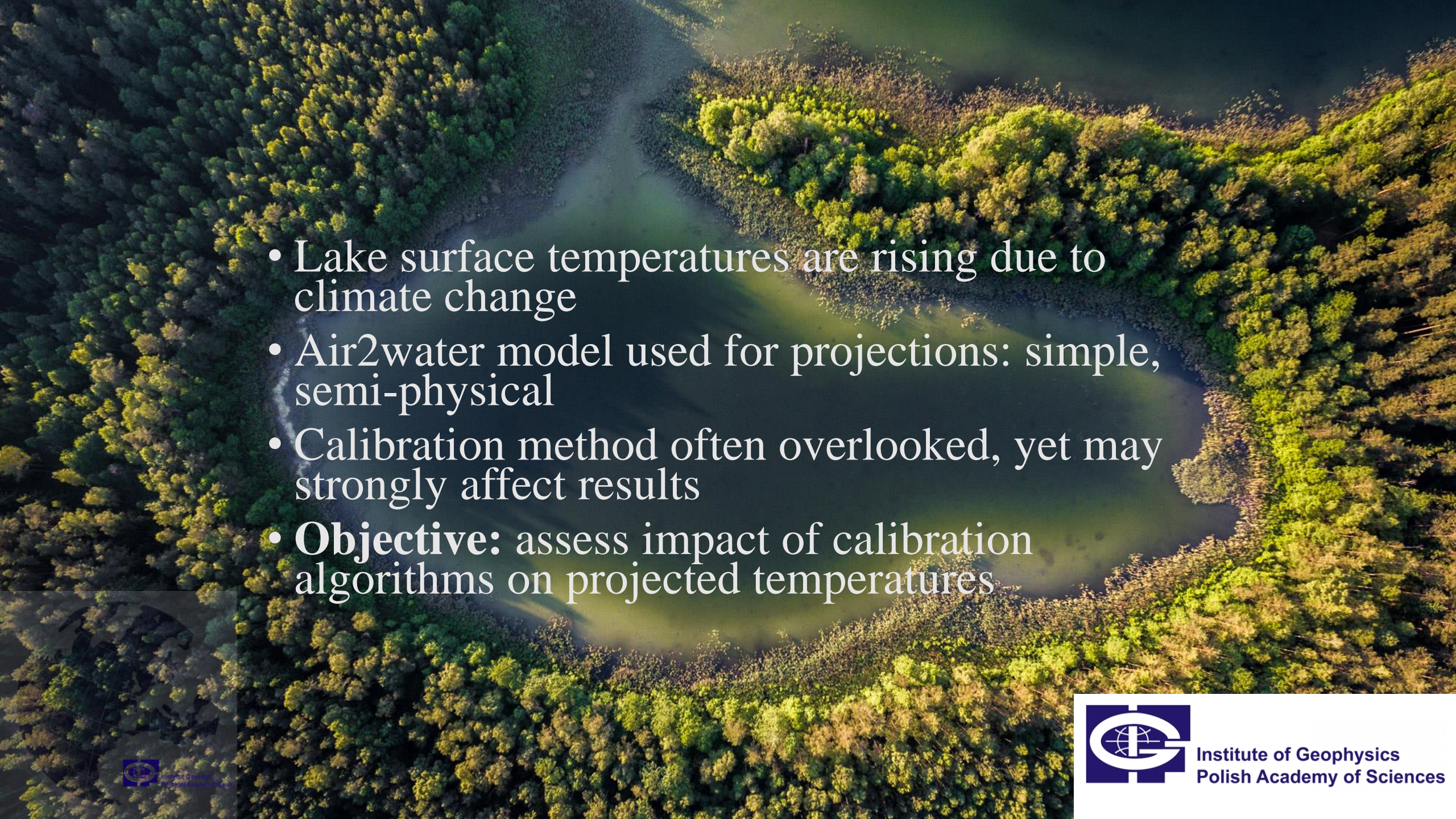
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- An aerial photograph of a forest lake with a small island in the center. The trees are dense and green, with some areas showing yellowing, possibly due to autumn or sunlight. The water is dark and calm.
- Lake surface temperatures are rising due to climate change
 - Air2water model used for projections: simple, semi-physical
 - Calibration method often overlooked, yet may strongly affect results
 - **Objective:** assess impact of calibration algorithms on projected temperatures