1. **Graph Edit Distance (GED)**

Finds out how many operations (add/delete node or edge, relabel, etc.) are needed to convert Graph A into Graph B.

Extract a graph from a new image and compare it to a “reference clean water graph” to see how much the structure differs.

Create cost functions to quantify how expensive a certain operation is, eg. Adding node (1.0), deleting node (1.2)

* The library **JGraphT** with custom comparison logic.