



FACULTY OF ELECTRONICS

COMPUTER ENGINEERING AND TELECOMMUNICATIONS DEPARTMENT

LABORATORY WORK #8

Modeling 4G Mobile Coverage Optimisation

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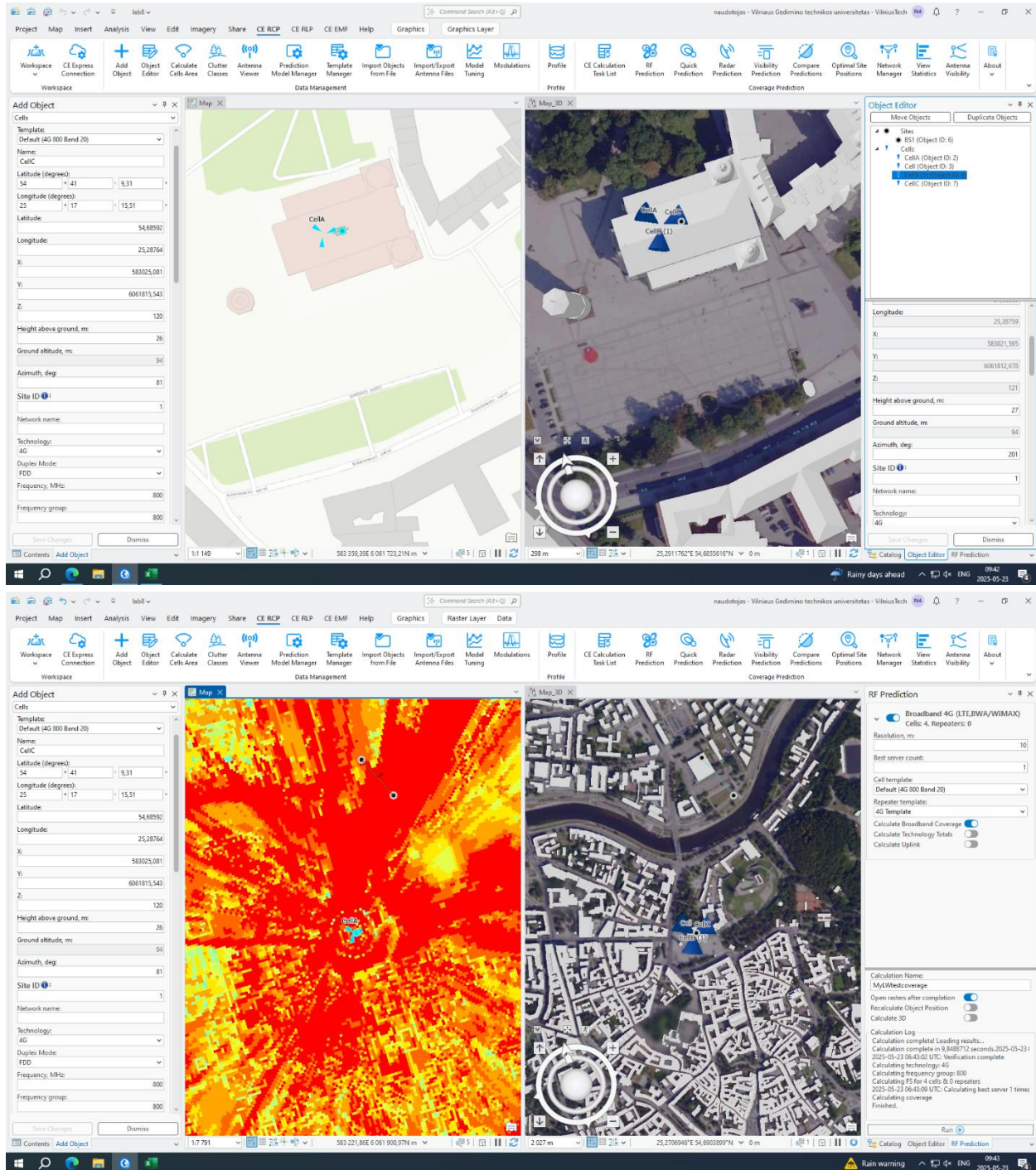
Vilnius, 2025

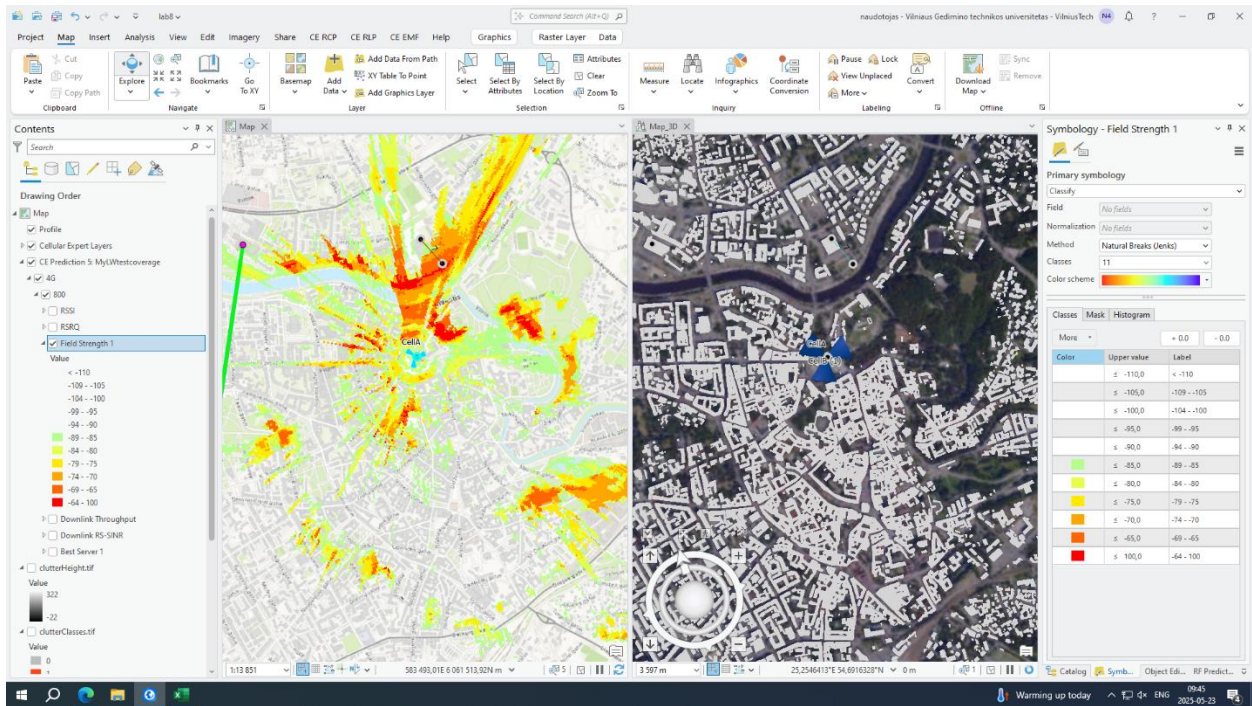
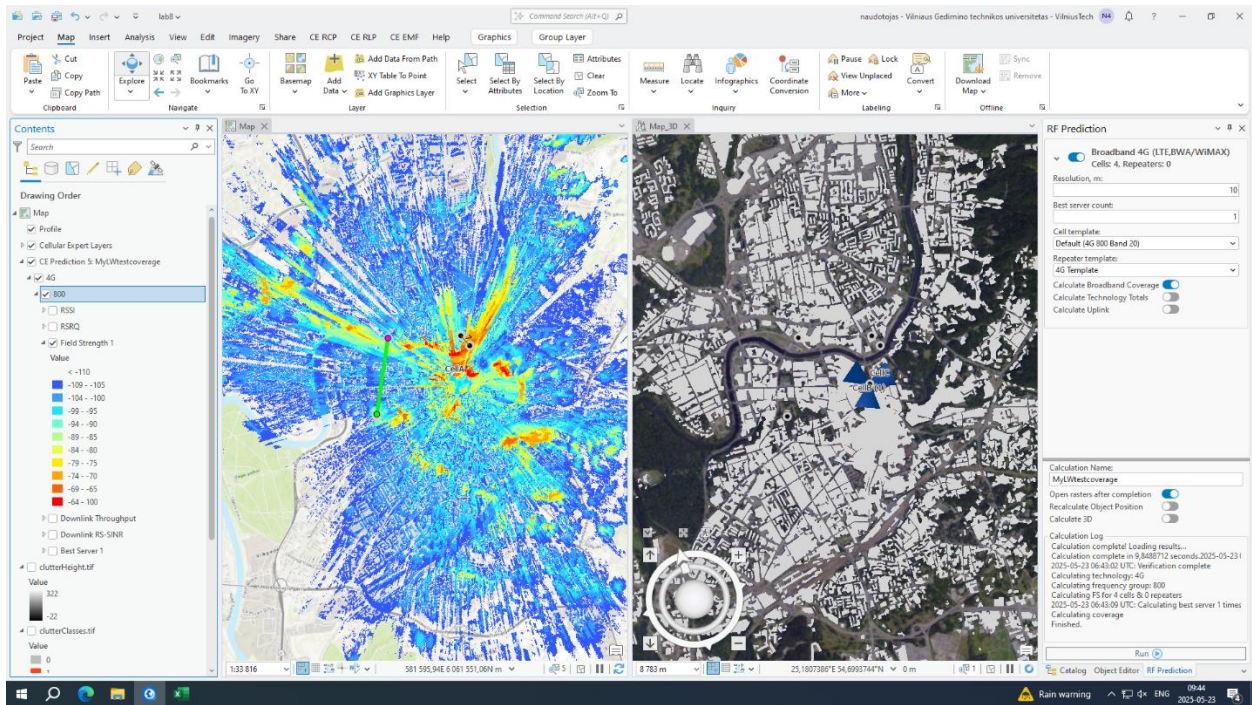
Objective: This lab involves modeling 4G mobile coverage using ArcGIS. It provides insight into cell tower installation planning

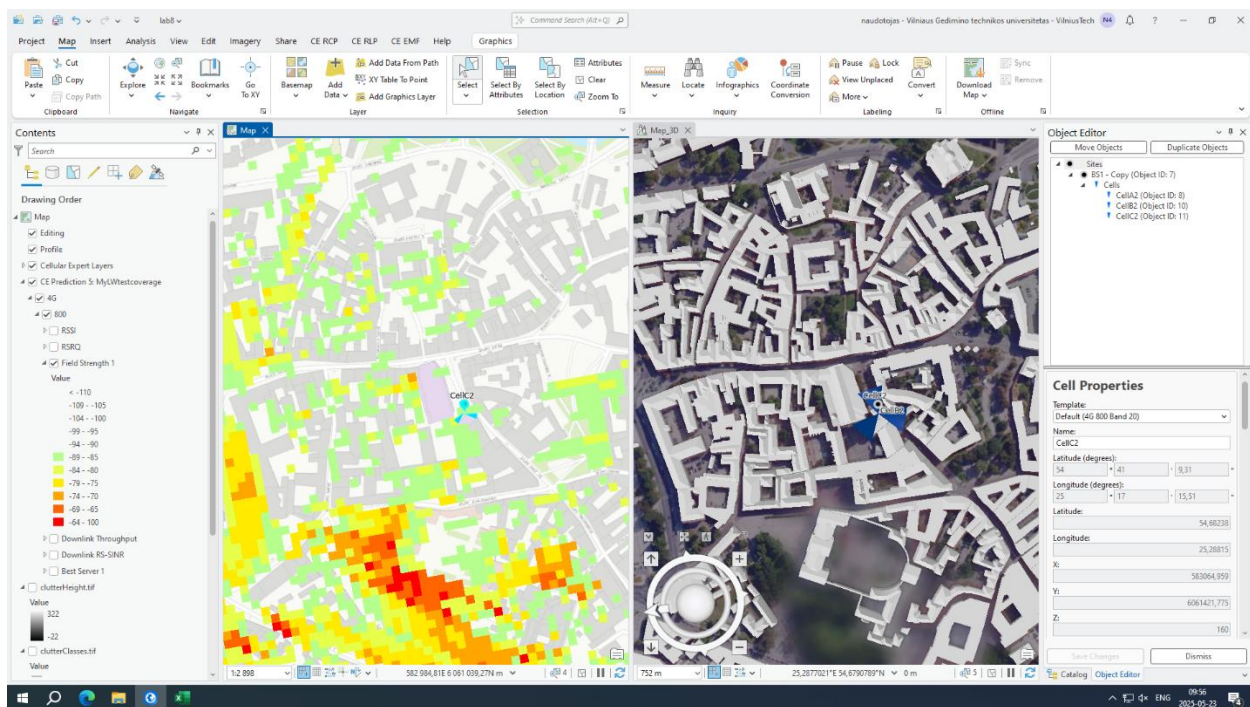
Tools Used: ArcGIS

The lab utilizes a previous project (Lab 7) for the working environment

First, we create cells, see their signal coverage, modify the view. After seeing problems with coverage, we create a second cell, which will improve it.







Here, we can see difference between one cell coverage, and two cells combined coverage

