Understanding infrastructure resilience

Task 1

1.1 What is the concept of infrastructure resilience?

1.2 What are the four attributes of infrastructure resilience?

1.3 What is the key difference between risk-oriented and resilience-oriented mindsets of infrastructure safety management?

Task 2

2.1 What do nodes and edges in a metro network model represent in reality?

2.2 What weights can be assigned to the edges to represent the attributes of rail tracks in a metro network?

2.3 If we would like to abstract a road network into a network model, what can nodes and edges represent in reality?

Task 3

3.1 Do you think that analysing infrastructure resilience is a challenging topic? Why?

3.2 What is the meaning of assessing infrastructure resilience?