Problem Statement
Can we provide a solution to Mobile operators for Network Planning and Optimization, which can reduce the CAPEX and OPEX without compromising the QoE?

What is Needed?
1. Topography, User density/type details, Application types & QoS, Technology [GSM, 3G, LTE]
2. Regional or Globally Optimal?
3. Improve spectral efficiency or network usage

Need of Optimization and Planning
1. CCC – Cost, Coverage and Capacity are the key issues

Solution
1. Matlab based solution – a Joint Clustering and Game Theoretic Approach
2. Dynamic solution based on user or operator requirement
Wireless Mobile Network Planning and Optimization – A Tool Based Approach

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Existing Coverage Map
Optimization based on Capacity and Coverage

Optimization based on Coverage only
Coverage verification through Drive-Tests