Q1: Why have numerous dinuclear and multinuclear metal complexes (clusters) been tested in the synthesis of gycol from CO/H2?

A1: In mononuclear complexes, only one metal center is present, and C–C coupling is not possible.

Q2: What are the advantages of heterogenized metal catalysts compared to conventional heterogeneous catalysts?

A2: The steric and electronic properties of the coordinated metal atoms or ions can be better controlled than in conventional heterogeneous catalysts.