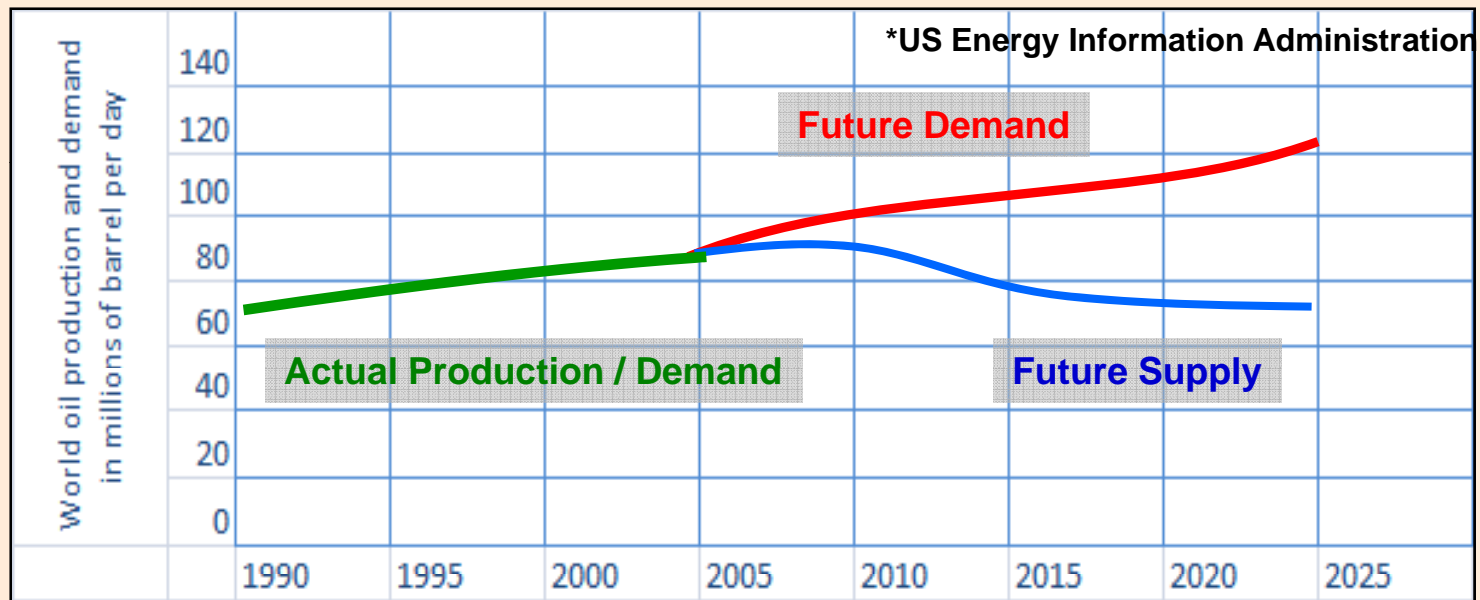


Co/SiO₂ Fischer Tropsch Nanoparticle Catalysts to Produce Synthetic Hydrocarbon Fuels

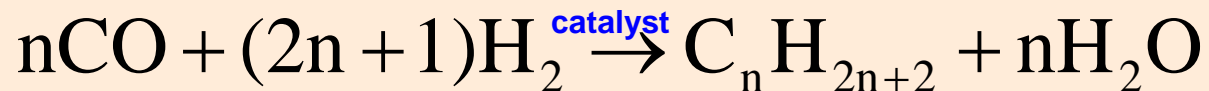
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MOTIVATION



FISCHER TROPSCH SYNTHESIS

A Catalytic Method to Produce Synthetic Fuels



Co/SiO₂ Fischer Tropsch Nanoparticle Catalysts to Produce Synthetic Hydrocarbon Fuels

PROJECT GOALS

- Synthesis & characterization of Co/SiO₂ catalyst with control over Co nanoparticle size
- Study the reaction of CO with H₂ on these novel catalyst using *in situ* FTIR
- Study the impact of Co nanoparticle size on key process parameters

