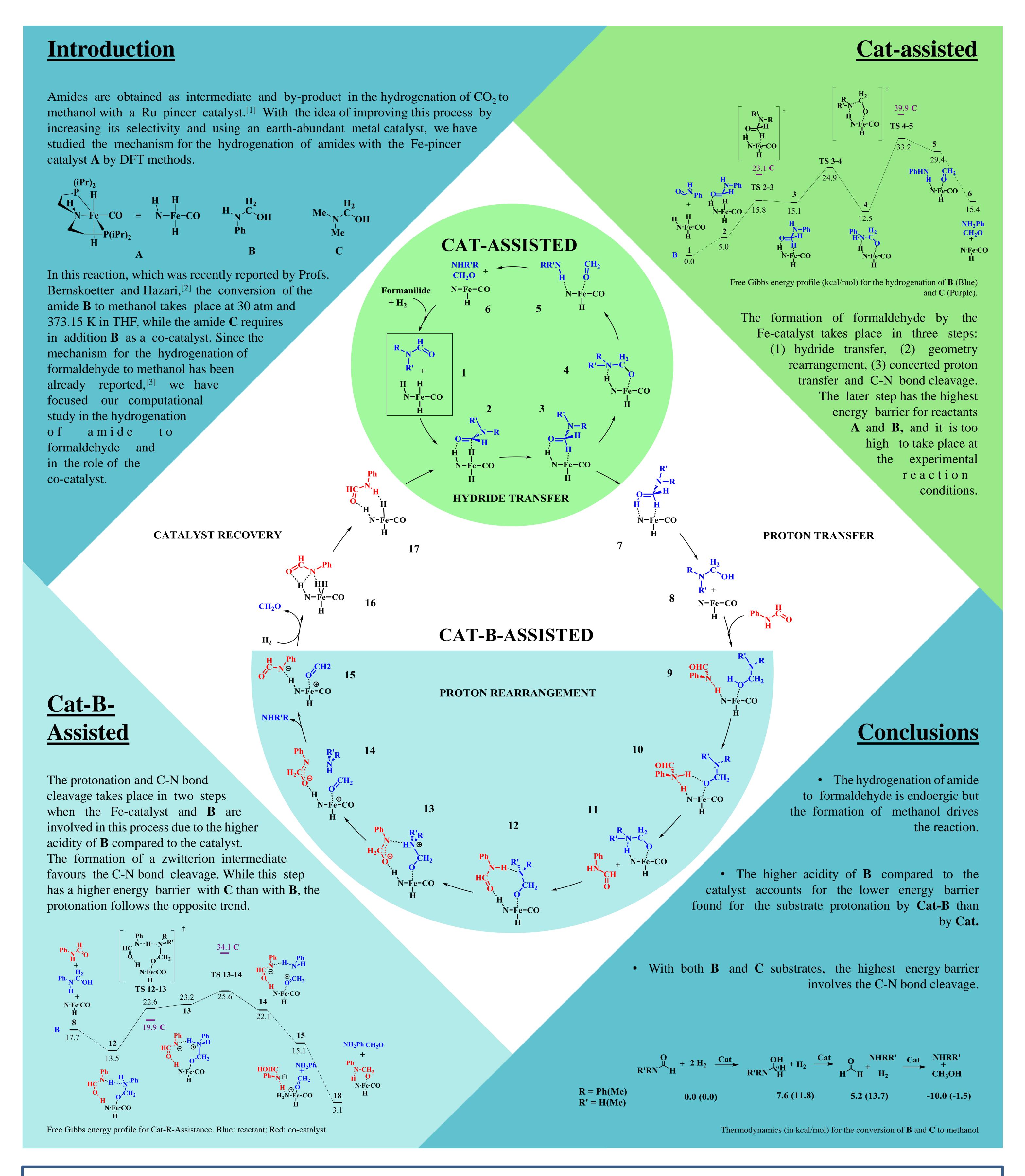
Earth-abundant metal catalyst for amide hydrogenation to methanol.

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<u>Computational details:</u> Geometry optimizations were performed with the M06 functional and a LANL2DZ (for Fe) and 6-31+G (for the rest of atoms) basis set. Free Gibbs energies were calculated at 30 atm and 373.15 K, using THF (SMD) as solvent. Energies were refined with triple z basis set analogs.



1. C. Huff, M. Sanford, et al.; ACS Catal. 2015, 137, 1028







3. N. Hazari, et al.; ACS Catal. 2014, 4, 3994