

Catalyst Deactivation Mitigation

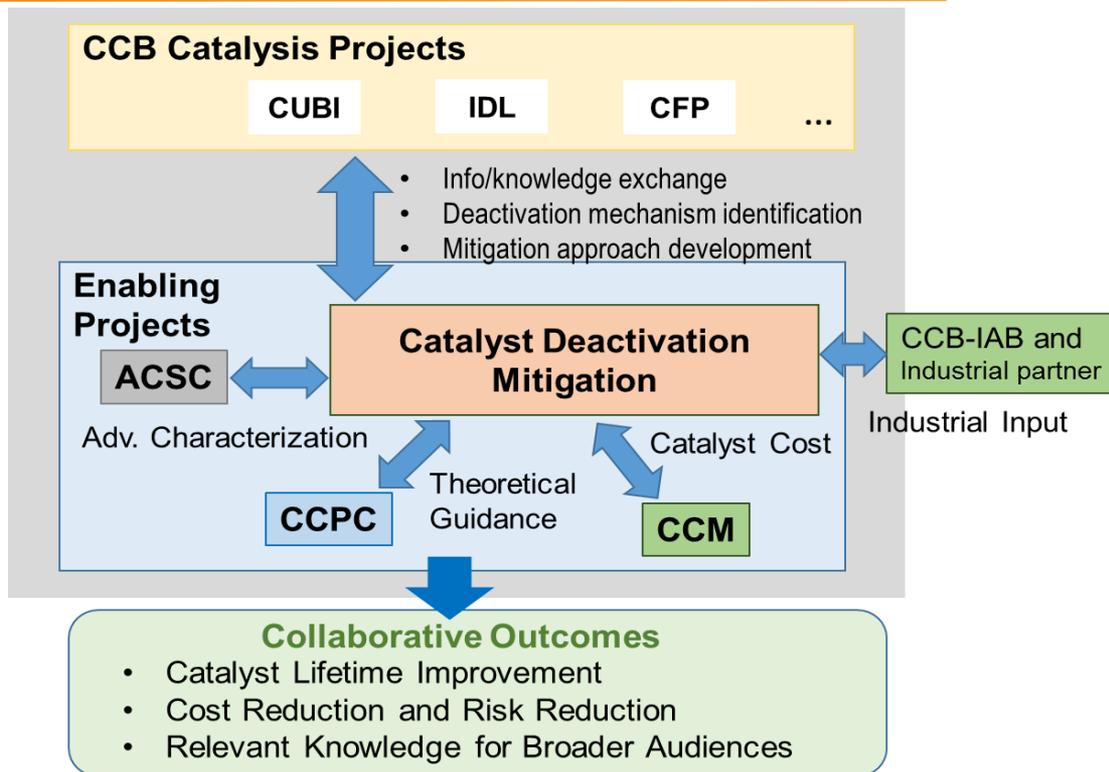


Goal:

- Address catalyst deactivation issues in biomass catalytic conversion
- Enable accelerated catalyst development and cost reduction

Approach:

- Close integration with CCB projects
- Knowledge exchange within CCB for catalyst deactivation and mitigation
- Assist selected core catalysis project to extend catalyst lifetime
 - Investigate catalyst deactivation mechanisms
 - Develop mitigation approach



Impact:

- Knowledge on catalyst deactivation and mitigation to guide more rational design of robust catalyst and process for biomass conversion
- Improved catalyst longevity to reduce cost of biomass conversion processes and accelerate CCB catalysis projects' achievement of their targets