

CCS Project Development in the Illinois Basin Region

Regional Carbon Management
Applicant Education Workshops

US DOE FECM and USEA

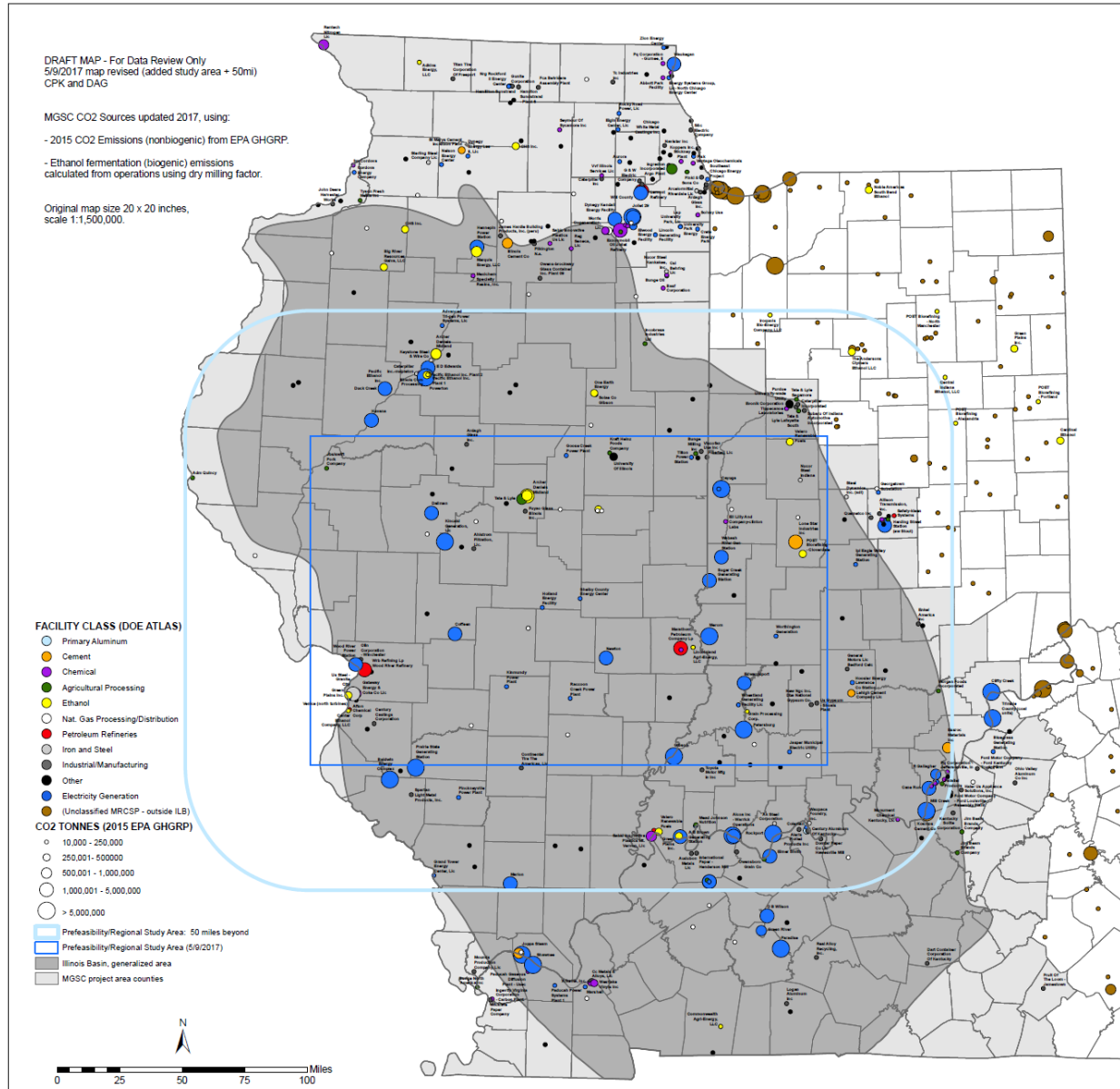
April 13th, 2022

Dr Steve Whittaker

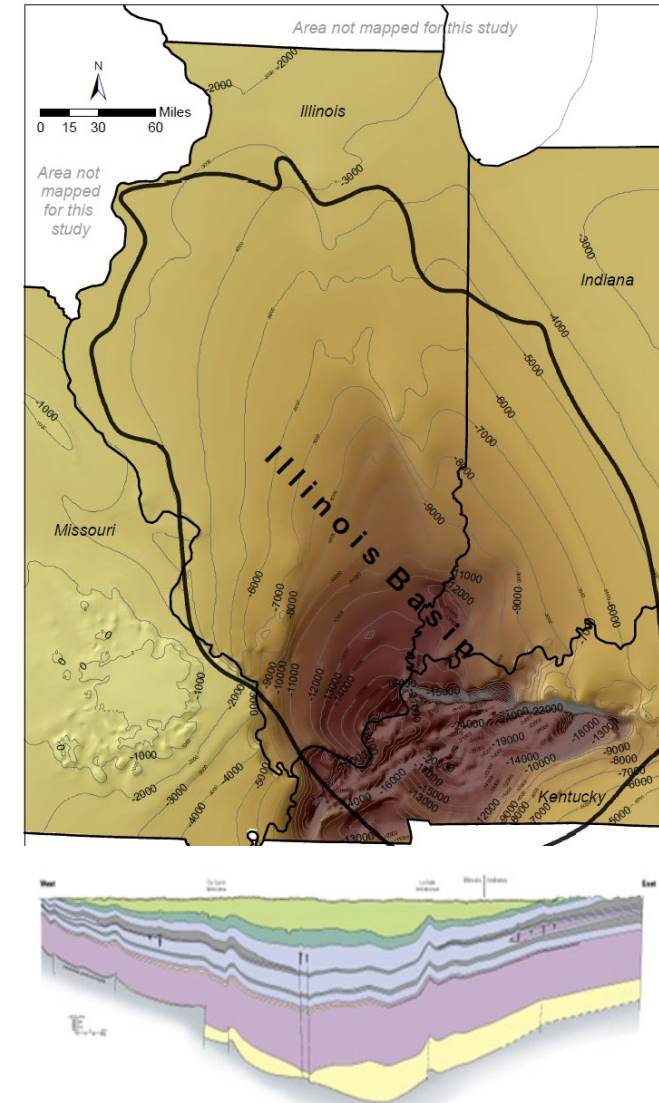
Director Energy & Minerals

Illinois State Geological Survey – University of Illinois

CO₂ Sources



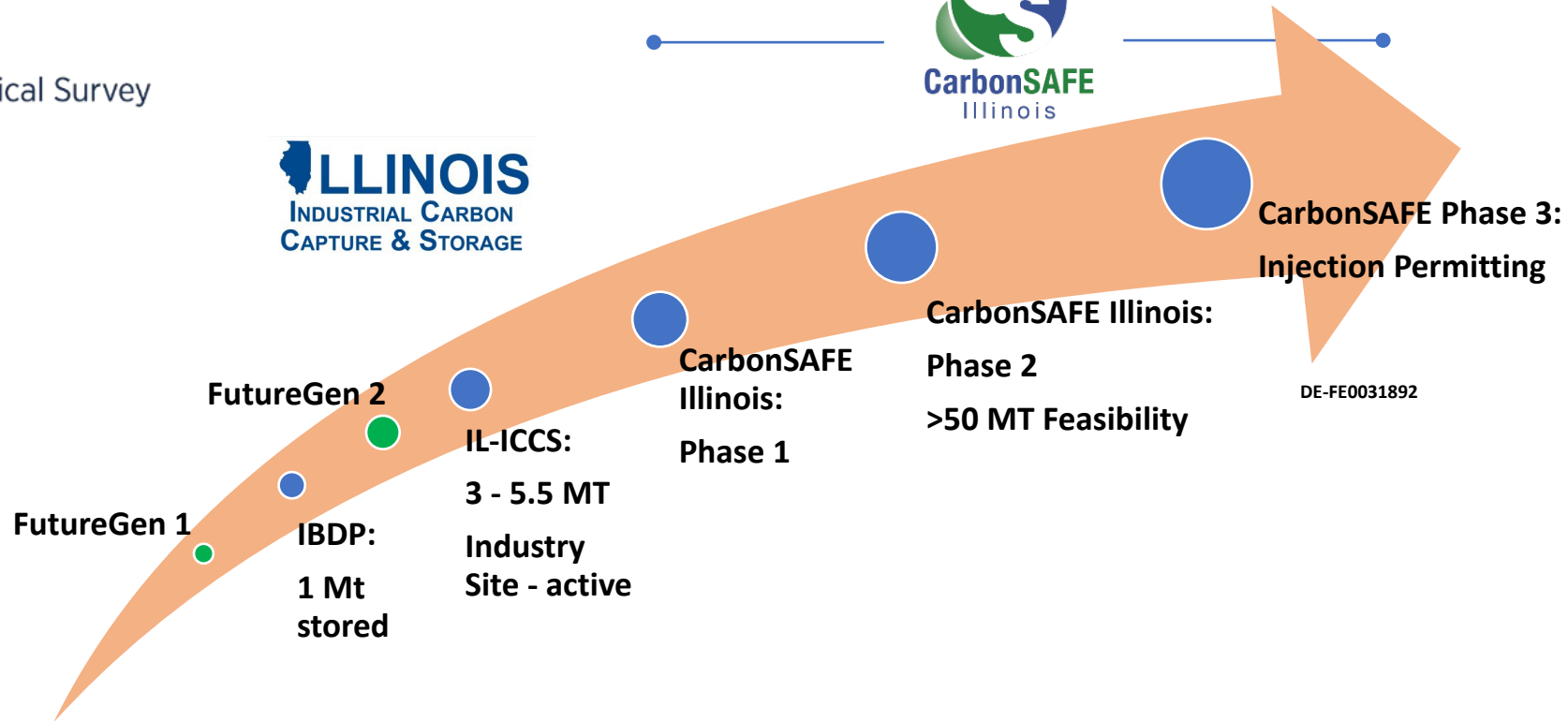
CO₂ Storage



Carbon Storage in the Illinois Basin Region

ILLINOIS
Illinois State Geological Survey
PRAIRIE RESEARCH INSTITUTE

ILLINOIS
INDUSTRIAL CARBON
CAPTURE & STORAGE



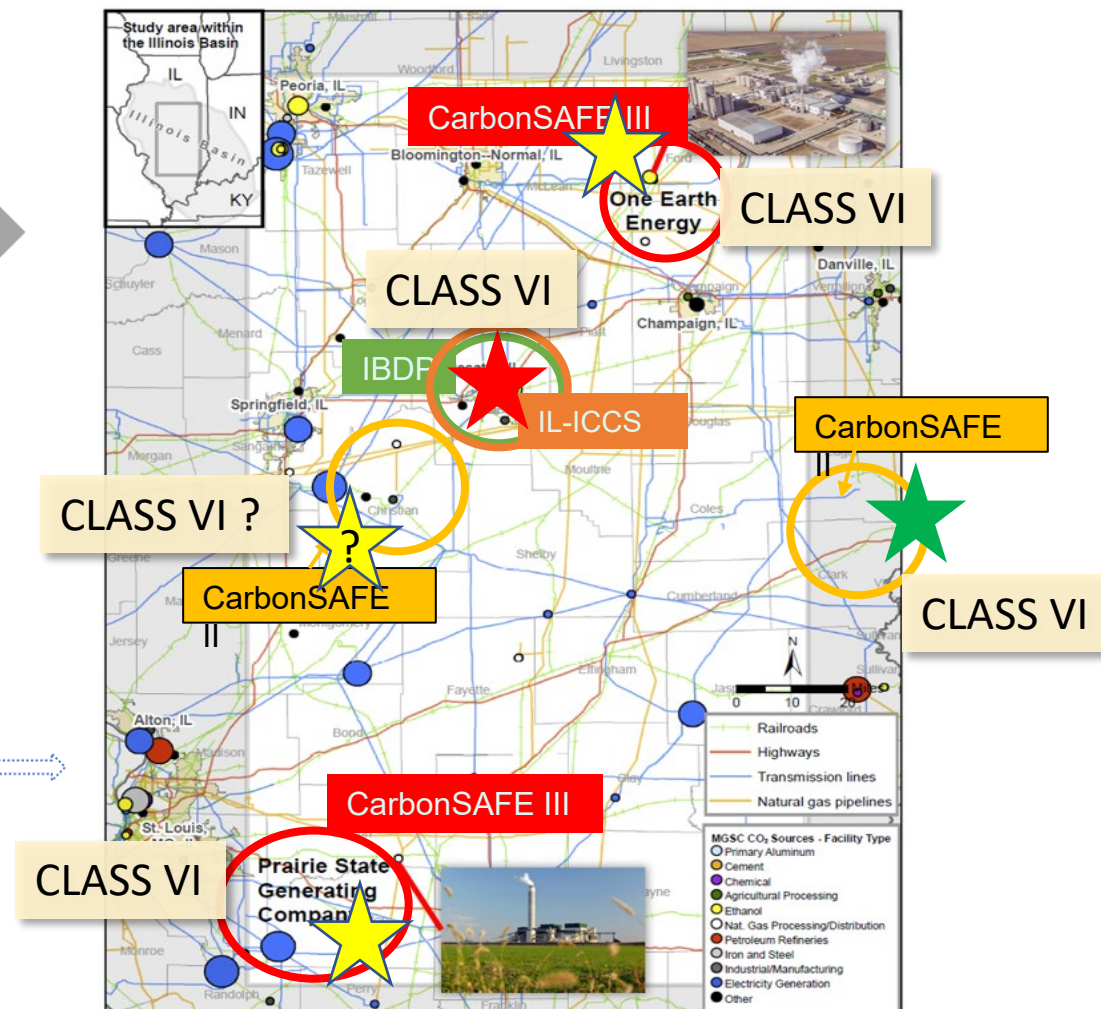
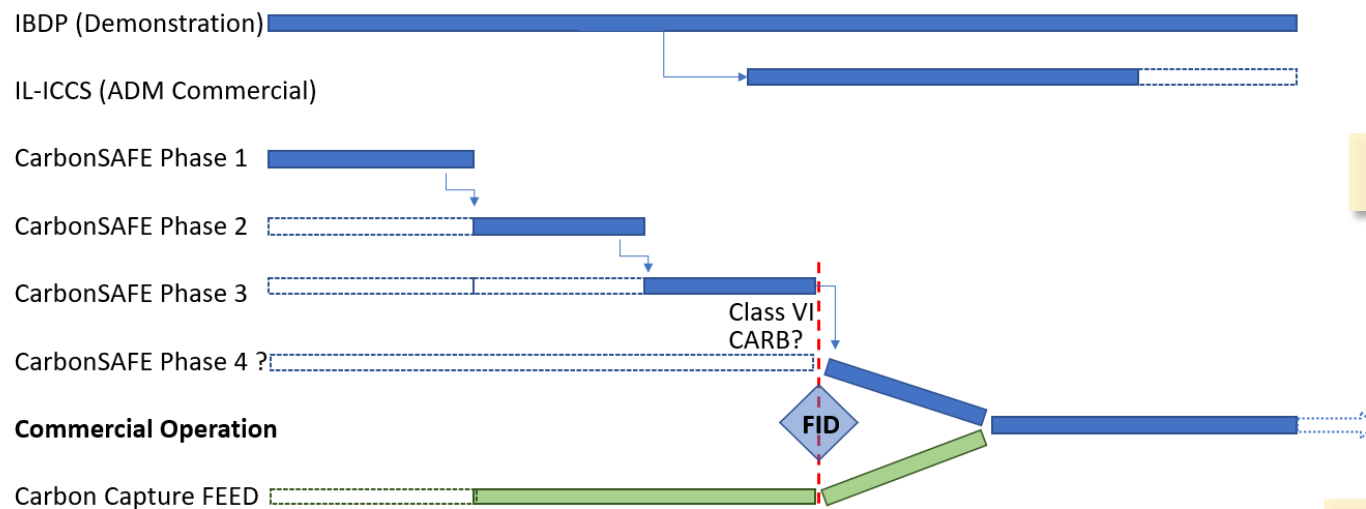
2000's



2020's



CCS Project Development



Considerations

- There is no “Typical” CCS project
- Site Characterization
 - Permit timeline: Class VI - CARB
- Capture – Storage alignment
- Land acquisition - timeline
- Community engagement
 - Awareness is high
- Multiple wells – HUBS
- Transportation

