

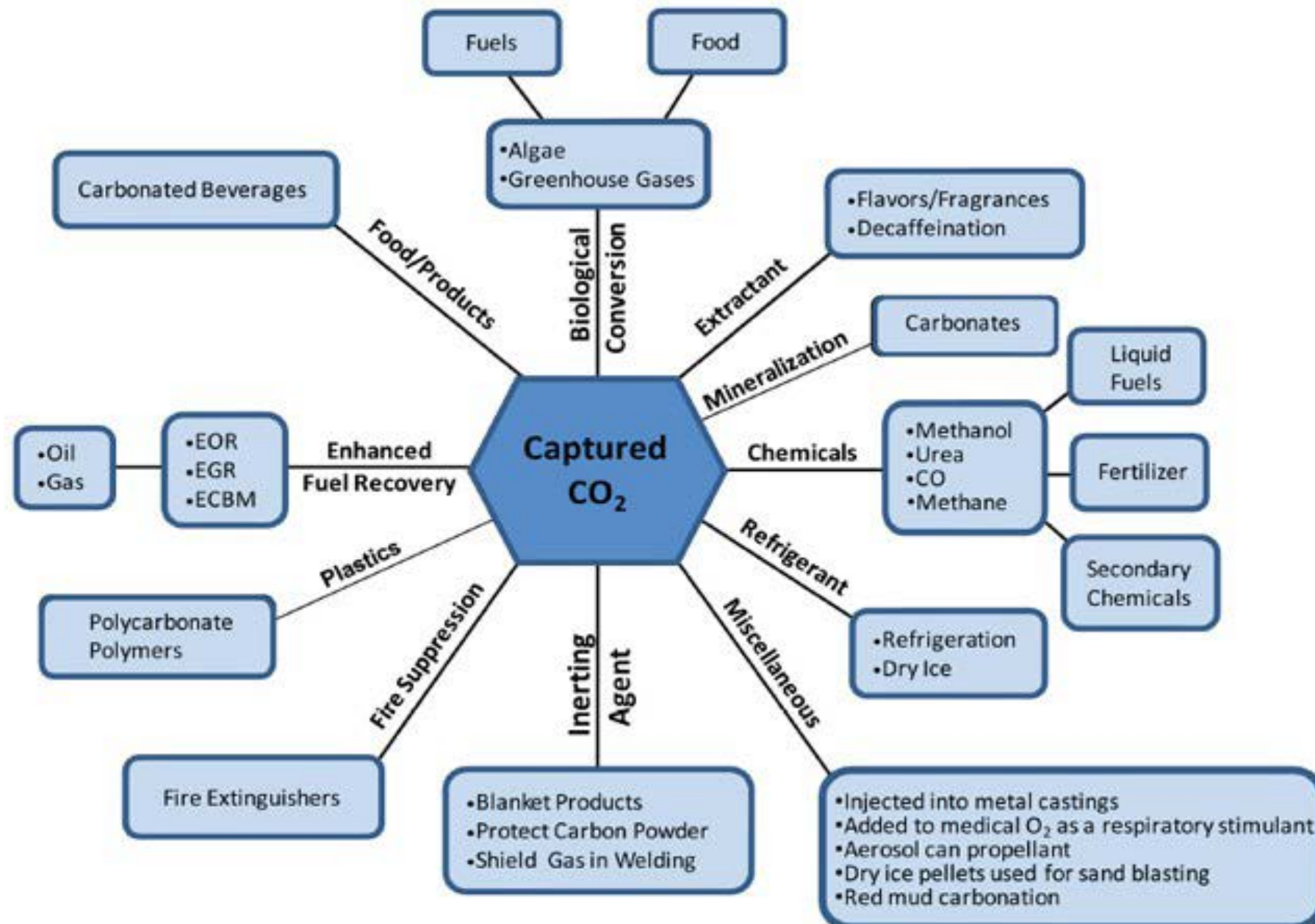
*Roundtable discussion about utilization options for CO<sub>2</sub>*  
*Annual meeting of Carbon Sequestration Leadership Forum (CSLF)*  
*Perth, 26<sup>th</sup> Oct. 2012*

# **Advancing CO<sub>2</sub> Utilization**

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# Approaches for CO<sub>2</sub> utilization are many. Why only enhanced fuel recovery seems promising?



Source: U.S. National Energy Technology Laboratory.

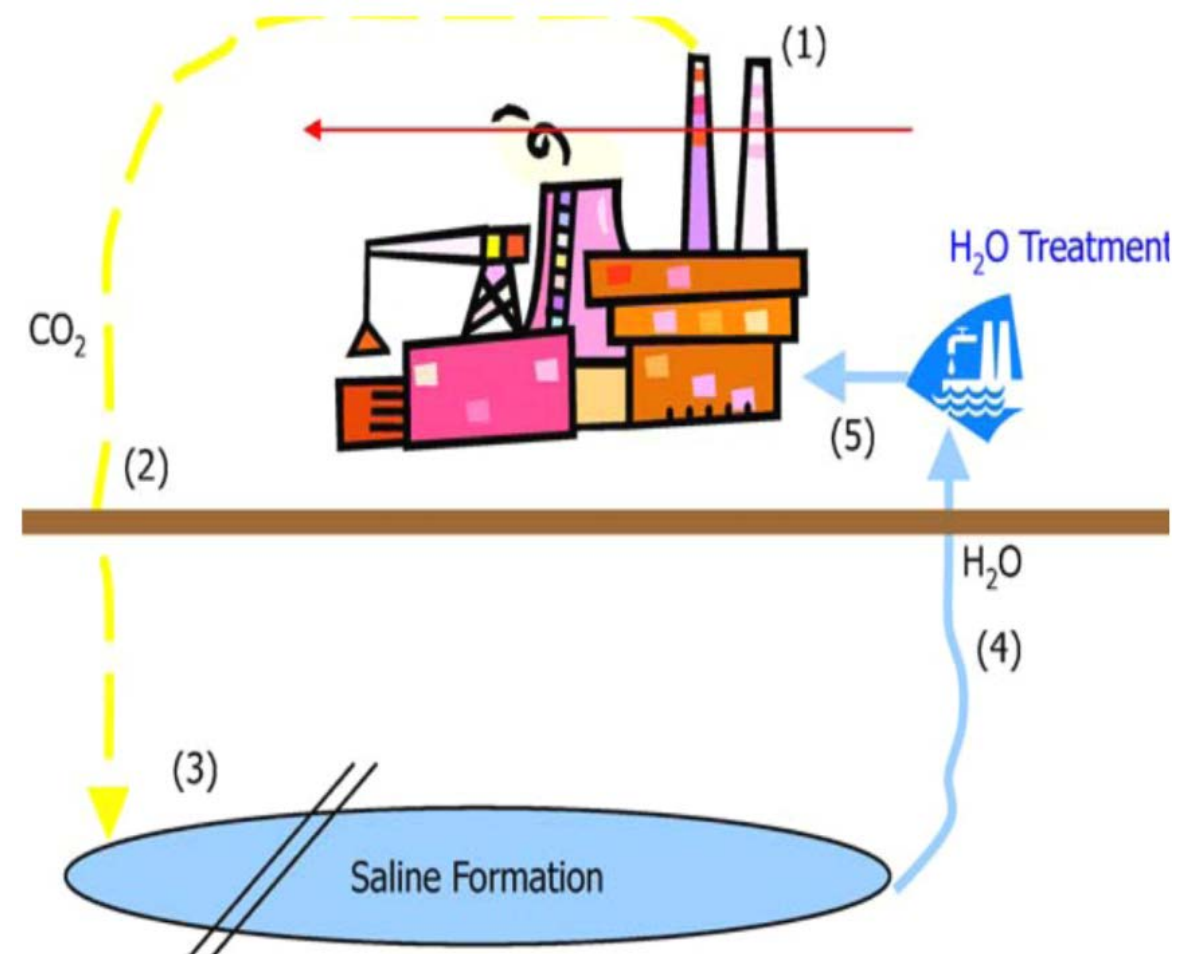
**CCUS should serve as an important tool to match urgent and important needs, eg to the energy and resource issues, to make CCUS widely applied as early as possible.**

- To enhance energy recovery and production
  - Enhanced recovery of oil, gas, shale gas, geothermal
- To combine CCUS into other resources extraction
  - Water resource
  - Liquid mineral

# Examples?

- **West China (Xinjiang, Inner Mongolia, etc)**
  - Abundant coal resources and energy industry
  - Lack of water seriously
- **Liquid minerals (Jiangnan Basin, Hubei Province)**
  - Potassium (K<sup>+</sup>): 4.2-24.4 million tons in deep aquifers

**Extract H<sub>2</sub>O or liquid minerals while store CO<sub>2</sub> into saline aquifer for industry use?**



Thank you