

# **CCS EDUCATION – RESOURCES & INITIATIVES**

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# Overview

- Factors for consideration in evaluating educational resources
- An array of educational resources and initiatives
- Challenges related to increasing knowledge and awareness

# Not All Education Is Equal



# Important Characteristics

- Focus
- Purpose
- Audience
  - General public education
  - Climate change
- Educator
  - Students up to K12, College, Graduates
  - General science
- Purpose
  - Science support
  - Stakeholders, lay community, development
- Audience
  - Policy makers
- Audience
  - Government
- Educator
  - Educator
- Educator
  - Educator

# Academic Resources

- K-12 Curricula
  - Need to incent / train teachers, multi-disciplinary, teaching/testing standards
  - Keystone, CARB, BEG, DOE/EPA
- College / Professional School
  - College programs (e.g. Stanford, UT, MIT)
  - Vo-Tech and community college (Richland CC, Wyoming EOR Institute; DOE GSTR)
  - Summer programs / internships (RECS, IEA summer school)

# Industry Resources

- Project Websites
  - Regional Carbon Sequestration Partnerships
  - Those Canadians: Weyburn, Quest, Aquistore
  - FutureGen
- Research Consortia
  - CCP
  - EPRI
  - PTRC

# ROW

- Large Scale R&D
  - DOE/NETL Fossil Energy Programs
  - IEA GHG
  - PTRC / CCS 101
- NGO
  - Factsheets and position statements: EDF, NRDC, CATF, Pembina, GreenPeace, Sierra Club
- Information Networks+
  - GCCSI
  - CSLF

# Initiatives

- Joint NGO/Industry Briefings (Around HECA)
- CSLF
- Conferences – DOE, GHG, Myriad Others
- Small Group Stakeholder Briefings
- Hearings



# Challenges

- Bias – Perceived or Real
  - On part of audience
  - On part of educator
- “Strategic Apathy”
  - Competing information needs / interests
  - Complexity of topic
- Budget Constraints / Cost