



Linking Policy, Science and Practice

**5th Annual Symposium
on Contaminated Site Risk Assessment
Vancouver – June 4, 2010**

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Role of Keynote Speaker



Admin/Logistics

1. Welcome
2. Goal
3. Program

Speech “Linking Policy, Science & Practise”

1. Brilliant
2. Engaging
3. Memorable



Mark Twain (or perhaps Sir Thomas Dewars)

“Do Right and Fear No Man”

“Don’t Write and Fear No Woman”

CSR History

Event	Date
"Criteria for CS in BC" issued	Mar. 1989
Bill 26 – CS Legislation	1993
CSR comes into effect	Apr. 1 1997
Contract Reviewers Selected	Sept. 1998
Roster of Prof. Experts formed	June 1999
Minister's Panel final report issued	May 2003
Protocol 6 Revised	2004
CSAP Interim Board appointed	2006
CSAP Society comes into effect	Jan. 2007

Key Panel Recommendations

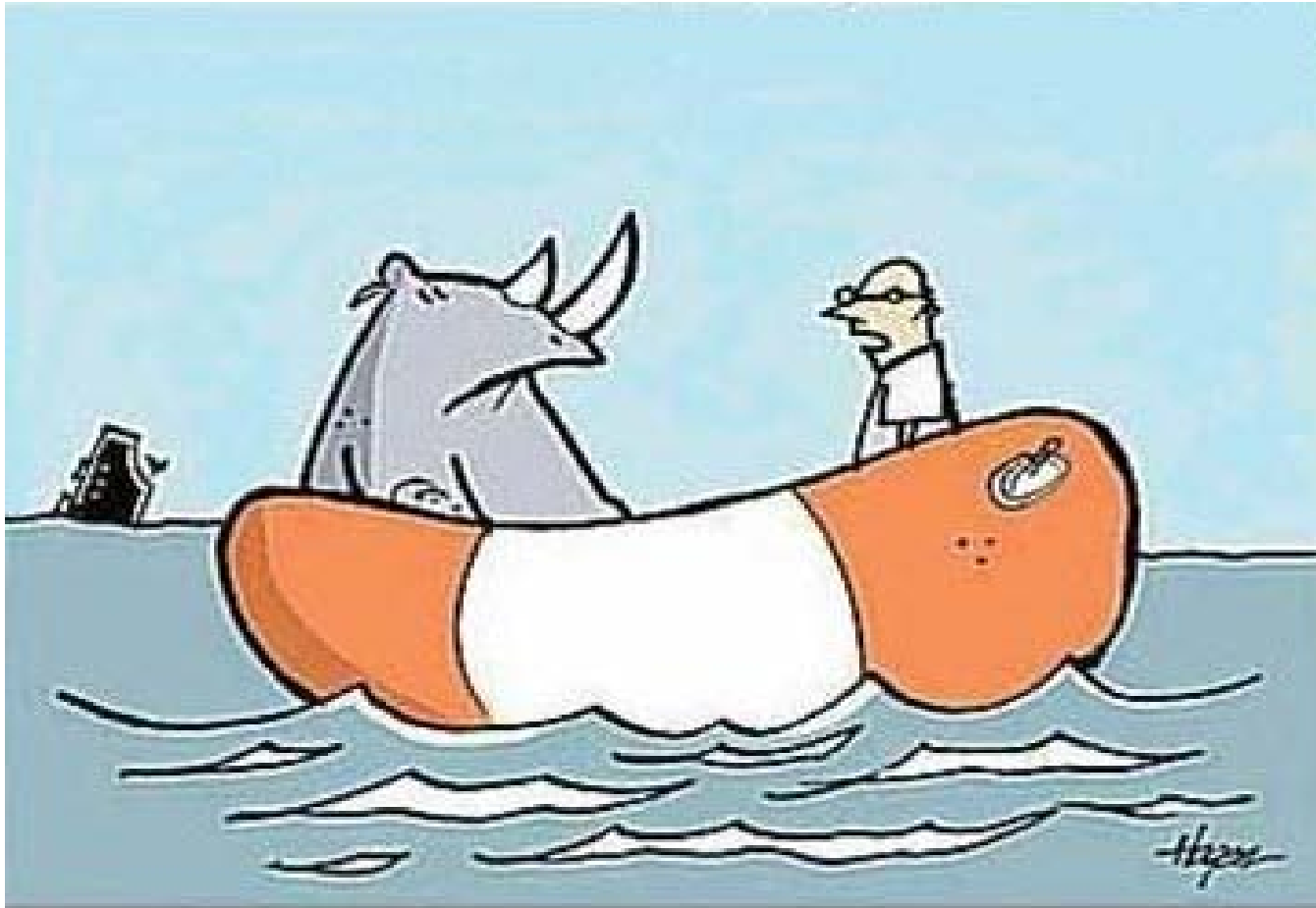
1. "Establish a stand-alone and independent system of Licensed Environmental Professionals (LEPs)", and



2. "That a Science Advisory Board be formed"

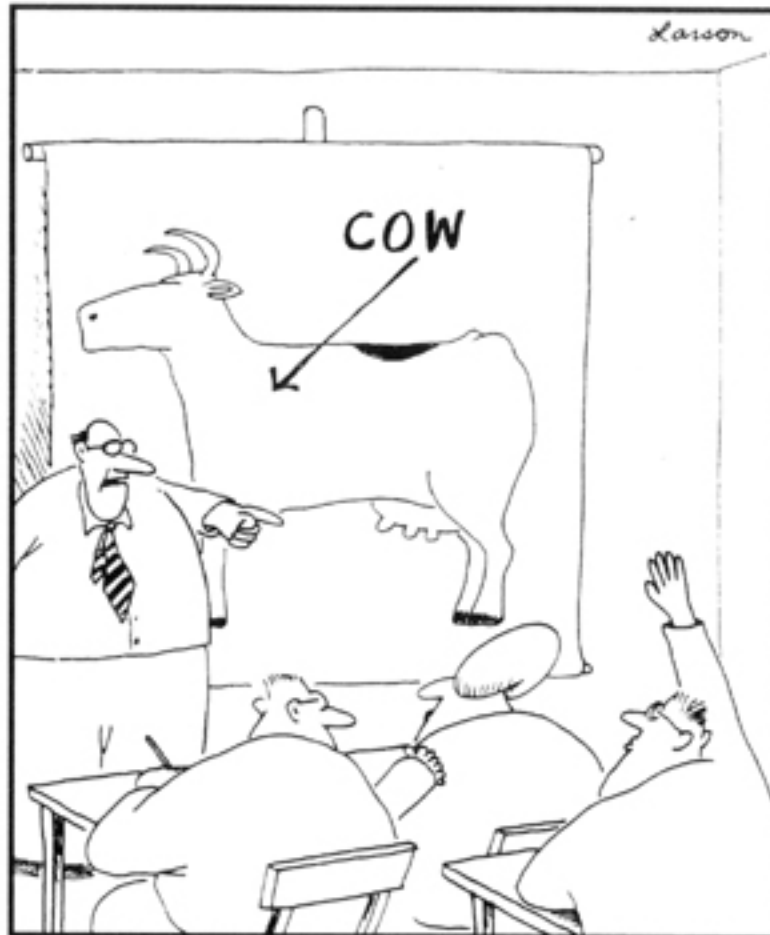


How LEPs viewed new LEP system



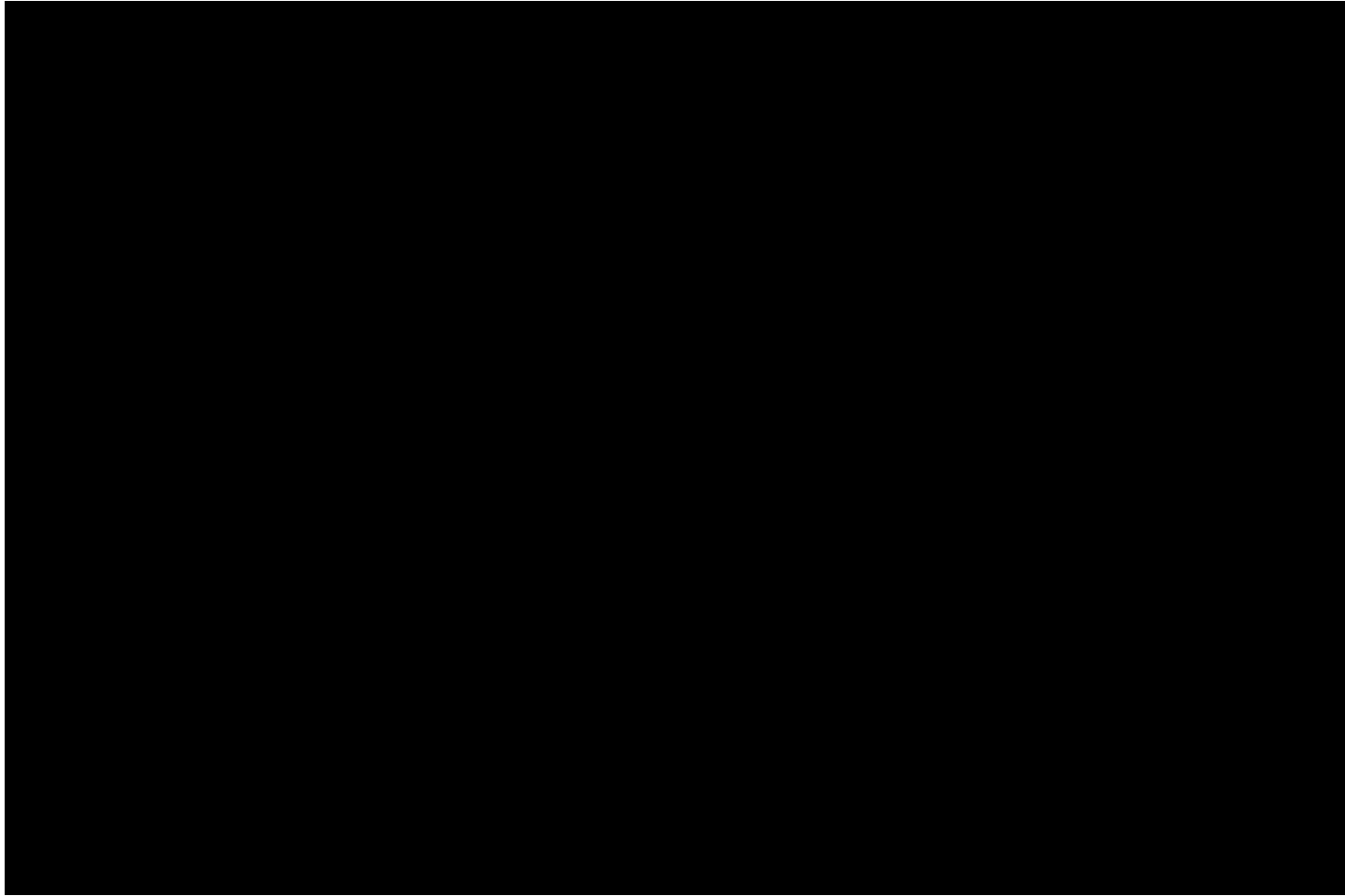
NO, I DON'T WANT TO SEE YOU DO A HEADSTAND.

SAB's Initial Contributions

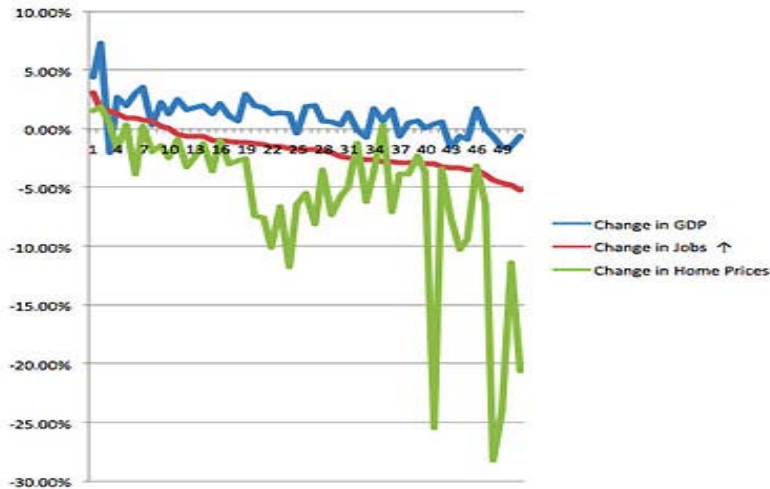


"Yes ... I believe there's a question there in the back."

Current CSR Regime

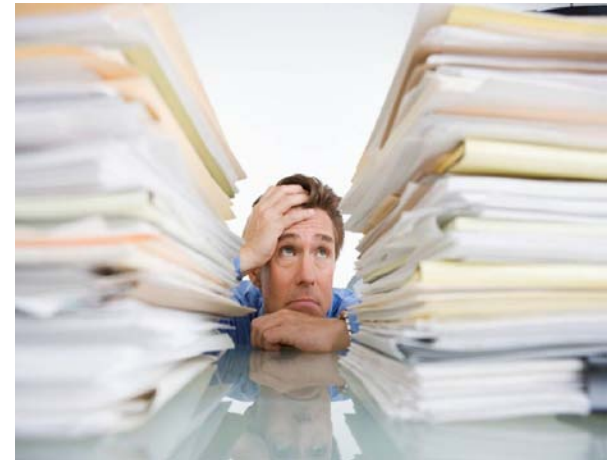


Partner's New Reality



1. Current Economic Downturn

2. Increased Volume & Complexity of Regulatory Guidance



Future Issues for CS Regime

Climate Change Adaptation

1. Groundwater Protection
2. On-site CS management
3. Green Remediation
4. Brownfield re-development
5. Carbon footprint assessment
6. Adaptive planning
 1. Lower mainland – floods
 2. North BC – remedial season



Climate Change & CS RA/RM

More not less RA/RM

1. Increased volatilization
2. Altered flood/drought events
3. Longer hotter summers
4. ERA
 - Habitat/species /population structure
 - Ecosystem adaptation
 - Altered population range
 - In-migration, out-migration, extirpation
 - Increased number rare &endangered species



Future CS

CS RA will become more:

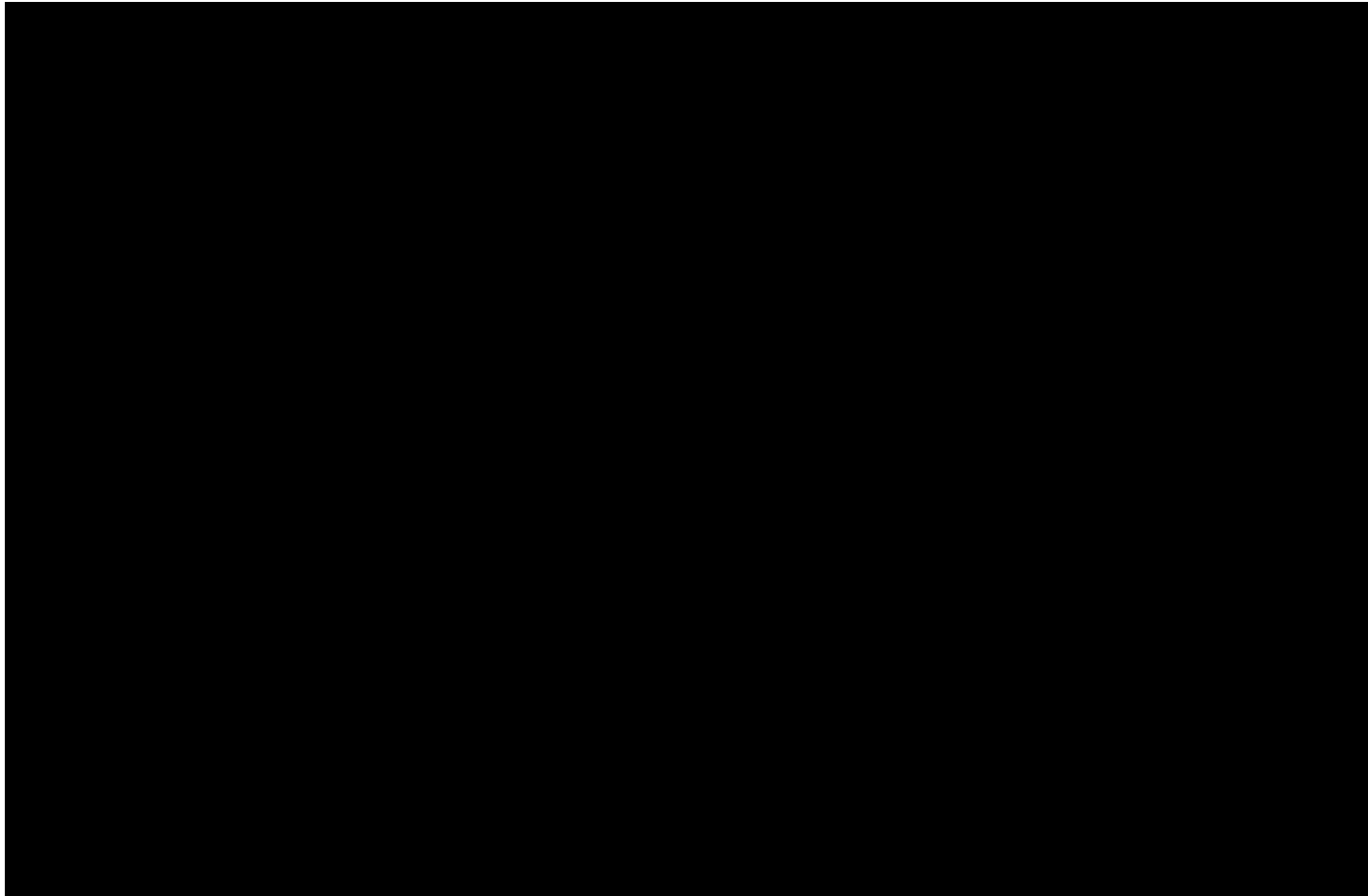
1. Sophisticated/complex
2. Multi-dimensional
3. Time sensitive



New Tools will be needed:

1. Better Uncertainty/WoE tools
2. Incorporate Decision Analysis
3. Cost:Benefit/Feasibility assessment

Future CSR Regime



Questions ?