

# **R&D Collaboration in Atlantic Canada's Oil and Gas Industry**

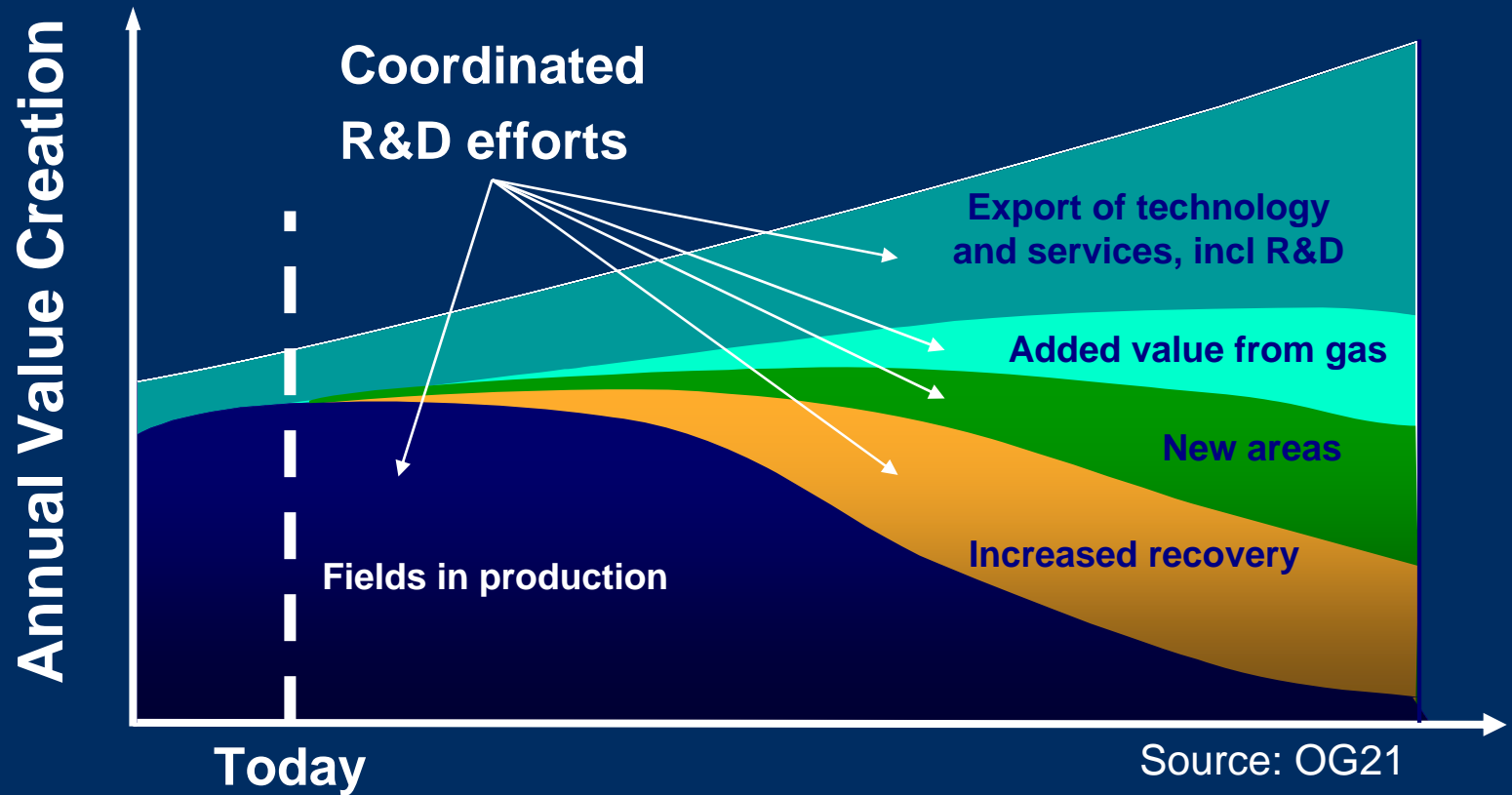
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Petroleum Research Atlantic Canada**

# Petroleum Research Atlantic Canada

- PRAC is a member-based, not-for-profit organization that facilitates and funds “research of general application” in support of the Atlantic Canadian petroleum industry
- Members = Industry + Gov’t + Academia
  - Major funding from ExxonMobil, Petro-Canada, Chevron, EnCana, Shell, Imperial Oil, Norsk Hydro, ConocoPhillips, Husky Energy, ACOA
  - Provincial governments, federal depts, universities and colleges

# The Economic Value of R&D



# Why Collaborate?<sup>(1)</sup>

## R&D Funders

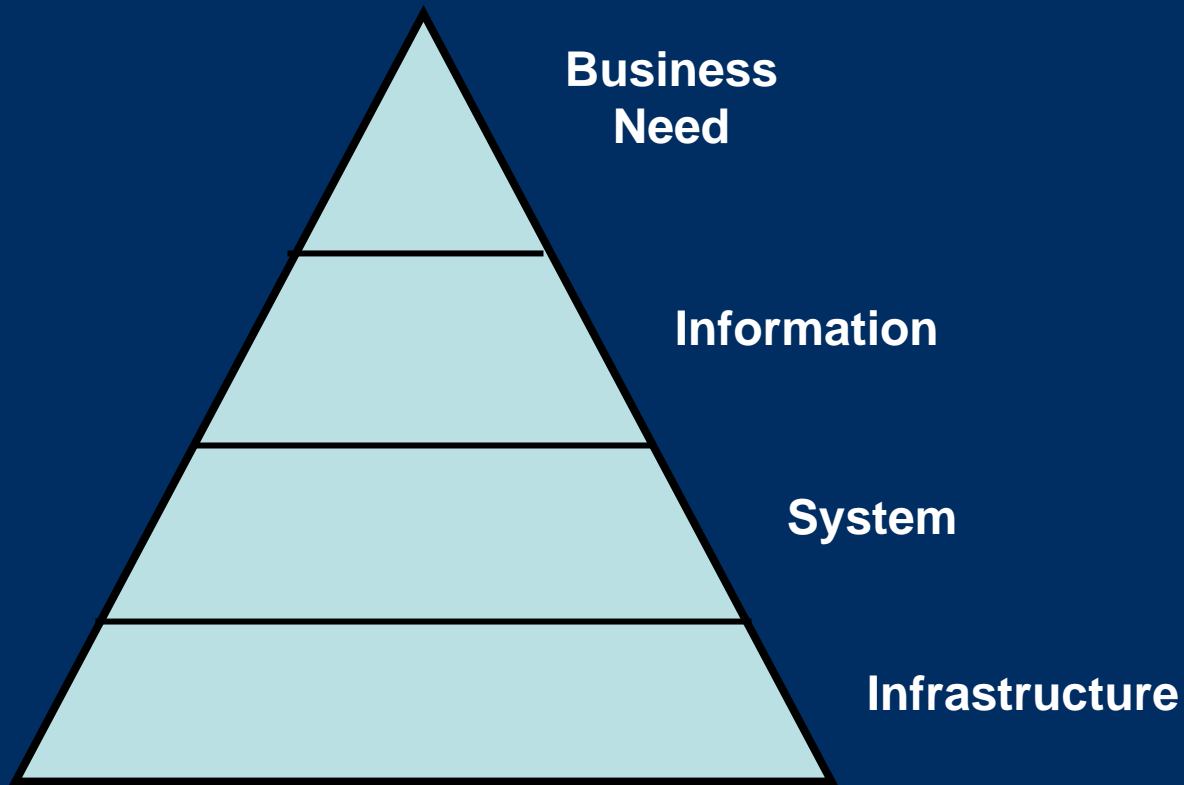
- Reduces financial risk of R&D
- Leveraging of other funds/infrastructure
- Proof of legitimacy
- More funding = larger scope, higher quality

# Why Collaborate? <sup>(2)</sup>

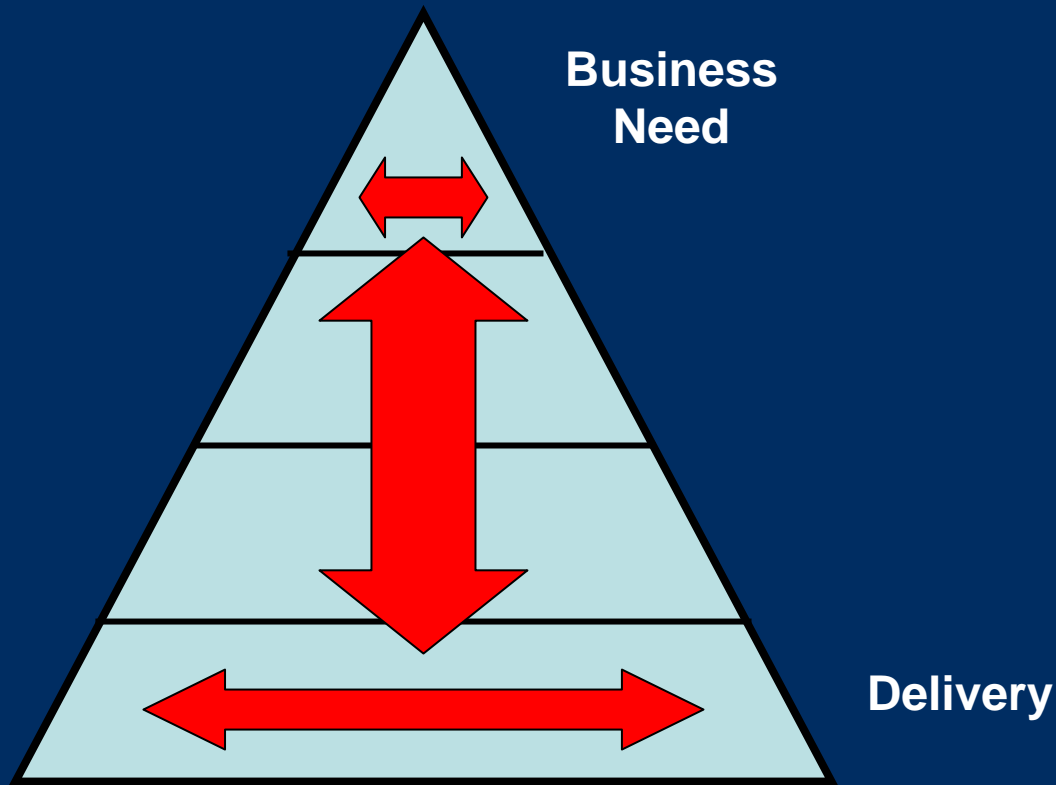
## R&D Delivery

- Broader range of capabilities/expertise improves value of results
- Size and scope of research projects
- Interdisciplinary work sparks innovation
- Scope of student exposure to research
- Better access to funding

# “The Information Architecture”



# “The Innovation Architecture”



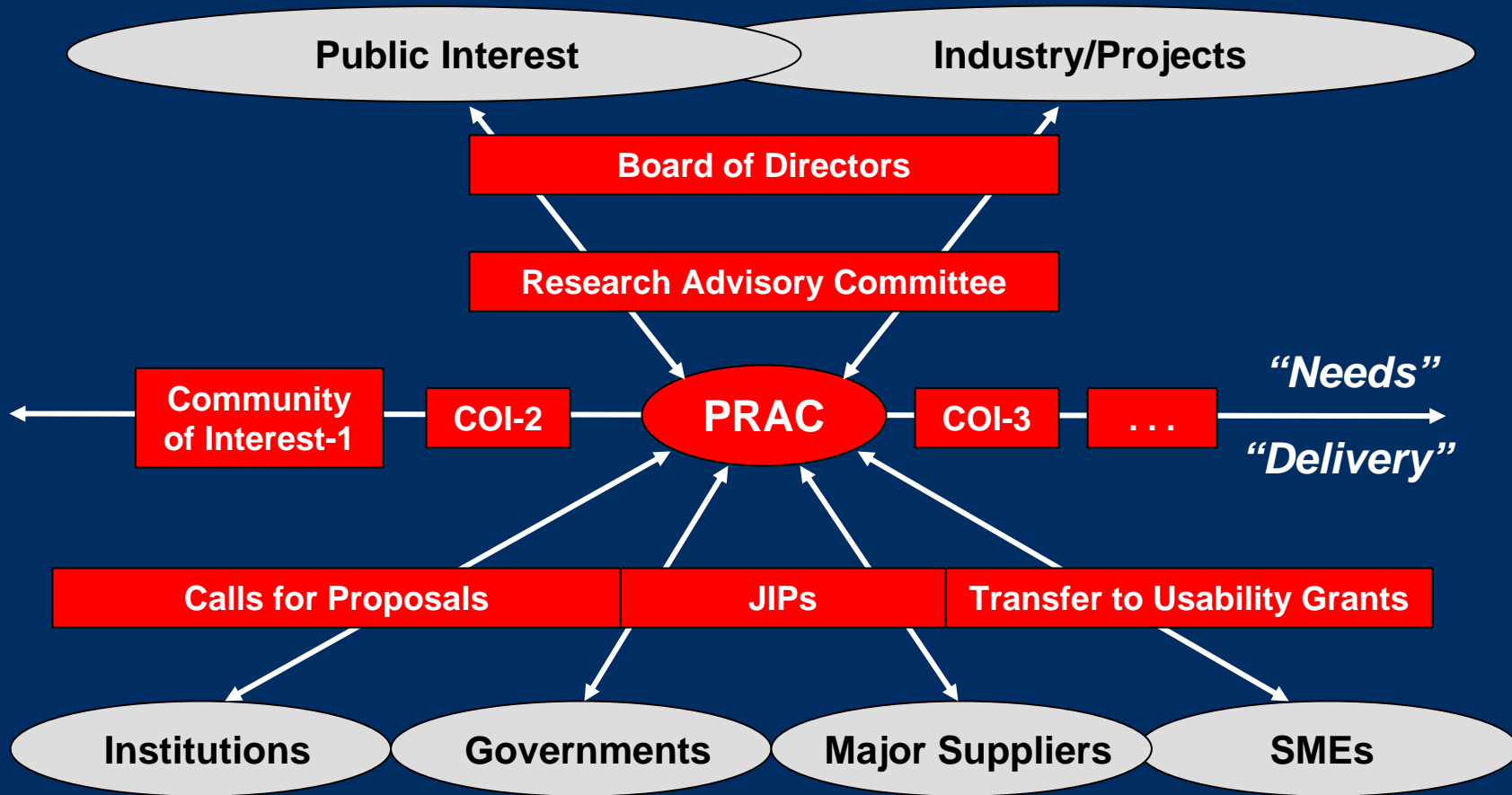
# Why Collaborate? <sup>(3)</sup>

## Funders + Delivery Together

- Better understanding of R&D needs
- More relevant R&D
- Acceptability of “demonstration” element
- Enhances “receptor capacity” in industry
- Compresses timeline from basic R&D to implementation by industry (or other users)

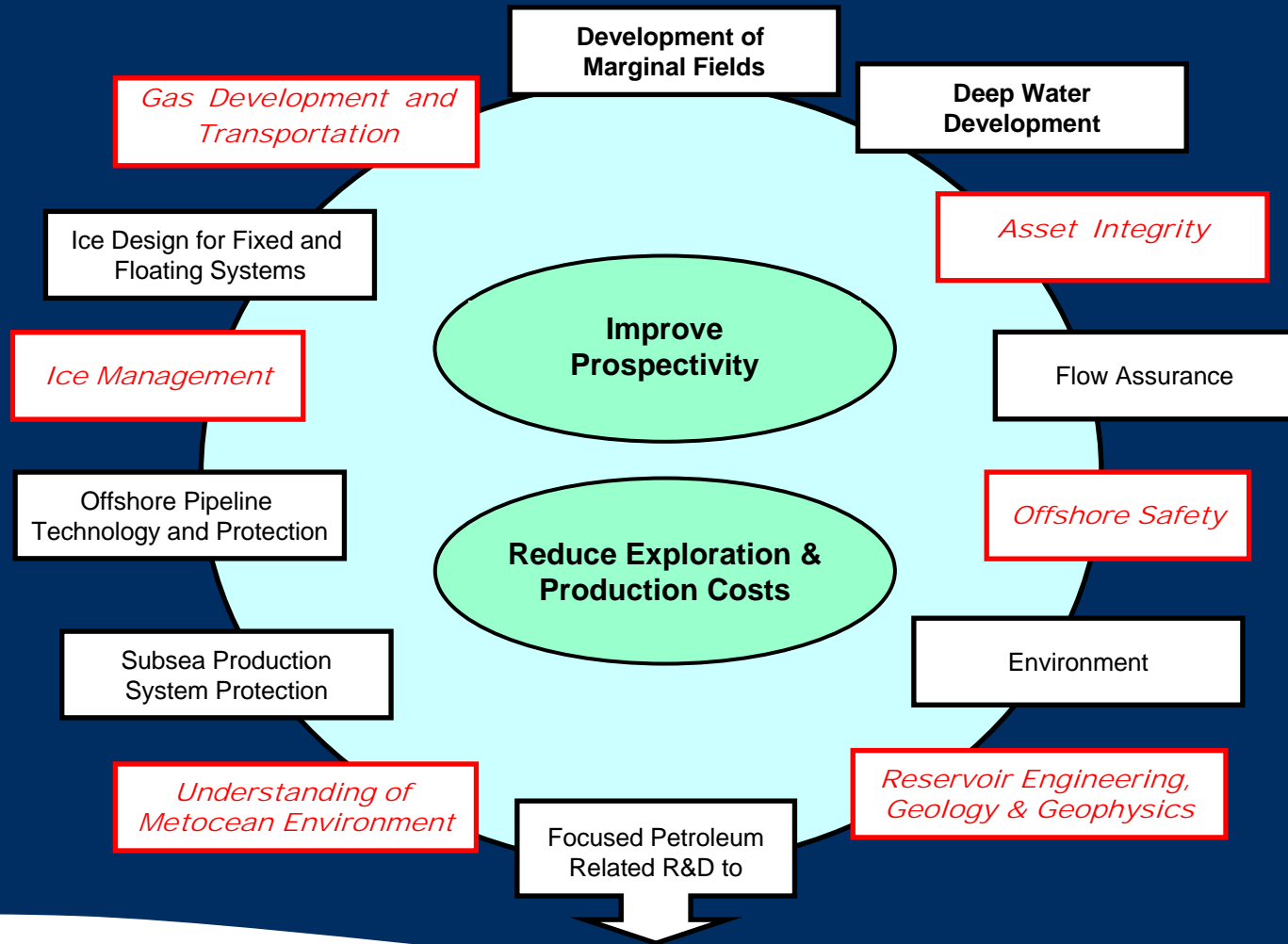
***More “Market Pull” is critical to maximizing our R&D productivity***

# PRAC's Collaborative Model



# AERT R&D Subcommittee

## Suggested Communities of Interest



# Keys to Success

- Maintain/develop a clear view of the big picture and plan accordingly
- Focus on our niches
- Engage industry
- Ensure global relevance
- Communicate

# What PRAC can contribute

- Established leveraging agreements
- Regional approach
- Strong relationships
- Industry involvement
- Objectivity and neutrality

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