

International collaboration through the Pipeline Engineering Competency System

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AGENDA

- Introduction
- Development of the APGA PECS
- CEPA's Driving Factors
- Early CEPA Investigations
- Choosing the Optimal Solution for the Canadian Industry
- CEPA Adopts APGA PECS
- CEPA Committee Structure
- Staged Approach
- CEPA Implementation of the PECS-Can
- Future Opportunities
- Questions



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INTRODUCTION

- We would like to extend our appreciation to APGA, CEPA, and CEPA member companies. In particular, the individuals from CEPA member companies that contributed their time and subject matter expertise.



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DEVELOPMENT OF THE APGA PECS

APGA's Pipeline Engineer Competency System (PECS) arose out of concerns for the pipeline industry's:

- Pipeline engineering capability
- Confidence that petroleum pipelines would continue to be safe and reliable

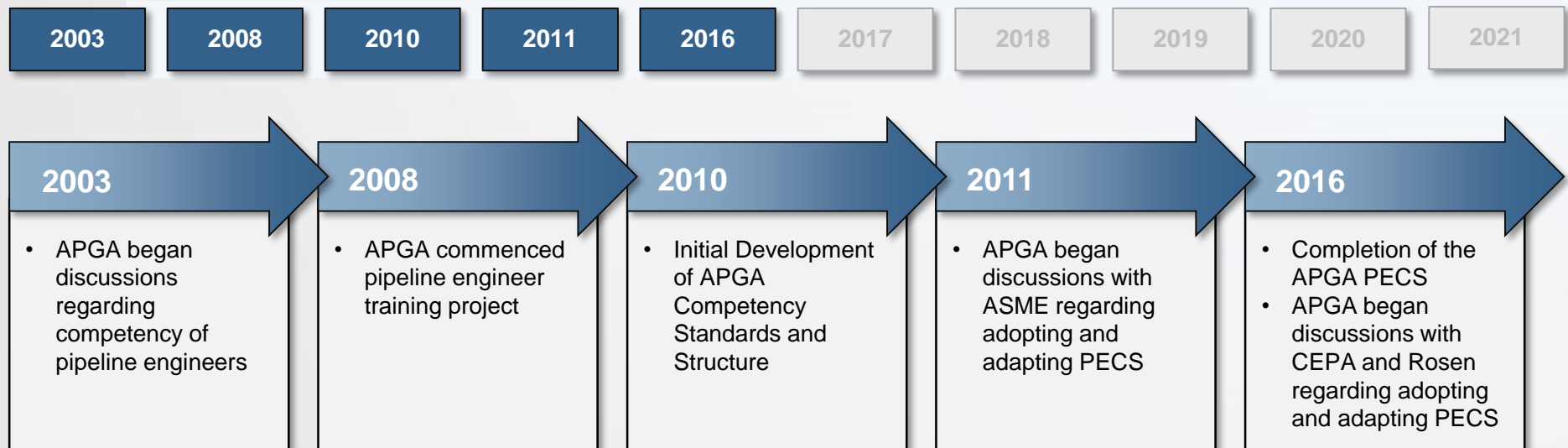
Underlying reasons for concerns:

- Microeconomic reform
- Privatization
- Economic regulation
- The changing nature of AS 2885



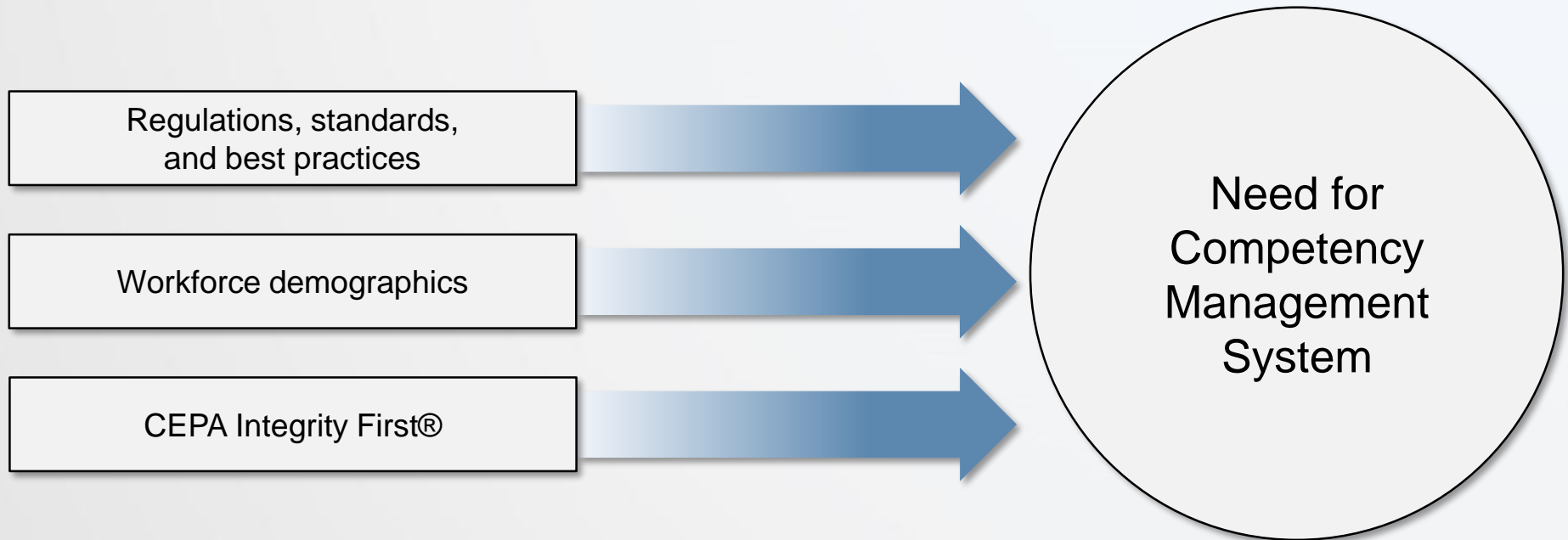
DEVELOPMENT OF THE APGA PECS

- Significant effort expended by APGA to establish PECS
- APGA initiated discussions with ASME, CEPA, and Rosen regarding adopting and adapting PECS



CEPA'S DRIVING FACTORS

- Three main factors driving the initiative

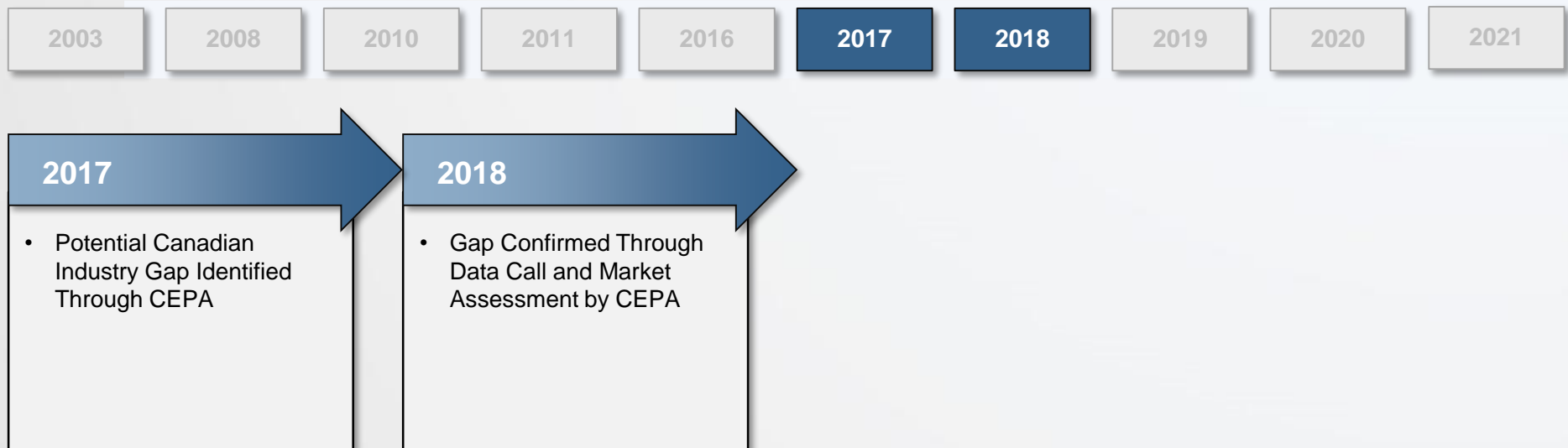


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EARLY CEPA INVESTIGATIONS

- CEPA identified and confirmed competency gap in Canadian pipeline industry

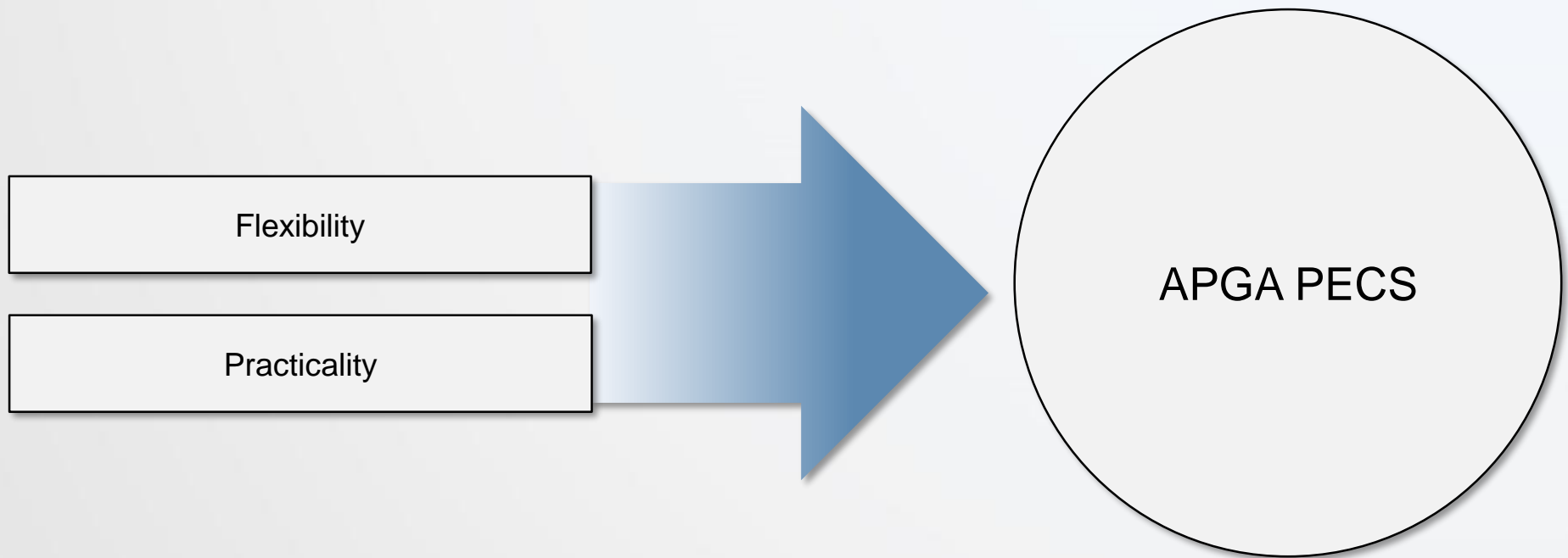


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CHOOSING THE OPTIMAL SOLUTION FOR THE CANADIAN INDUSTRY

- Two main priorities were identified by CEPA's Pipeline Integrity Community of Practice

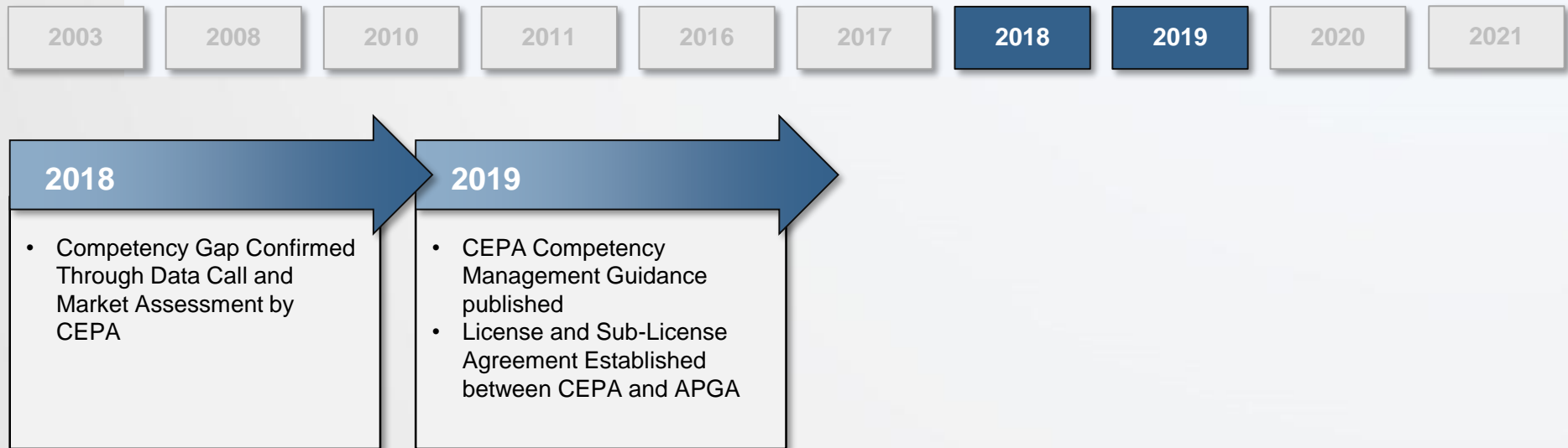


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CEPA ADOPTS APGA PECS

- Establish licensing agreement between CEPA and APGA
- Opportunity to leverage work to reduce time and effort to close gap identified in Canada



CEPA COMMITTEE STRUCTURE

- To manage project risk, a committee structure was adopted



STAGED APPROACH

- A staged approach was implemented as another mechanism to manage project risk

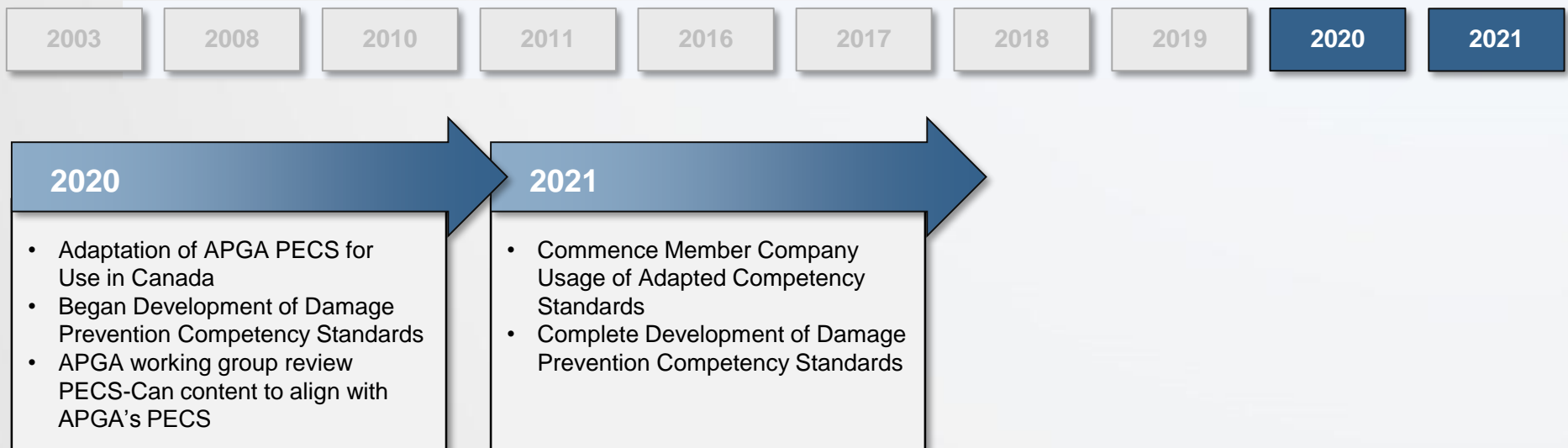


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CEPA IMPLEMENTATION OF THE PECS-CAN

- Adaptation of PECS for use in Canada



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FUTURE OPPORTUNITIES

- Scope for internationalization of the PECS
- Opportunity for significant collaboration between APGA and CEPA
 - pipeline engineering – continuous improvement log – ongoing development
 - pipeline operations – damage prevention
 - other



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The logo for JIVA Consulting, consisting of a circular icon with three overlapping segments in orange, green, and blue, followed by the text 'JIVA' in a large, bold, black sans-serif font, and 'CONSULTING' in a smaller, black sans-serif font below it.

Any questions?



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Thank you



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