



Canada's Story:

Improving the Timeliness of Input Data for JODI Oil Reporting

Richard Godin
Natural Resources Canada

8th JODI Oil Conference
Beijing, China
Oct 10 -11, 2011



1. Outline



- **Canada's complex petroleum landscape**
- **Canada's petroleum statistical system**
- **Consultations with data providers**
- **Actions to accelerate timeliness**
- **Conclusion**

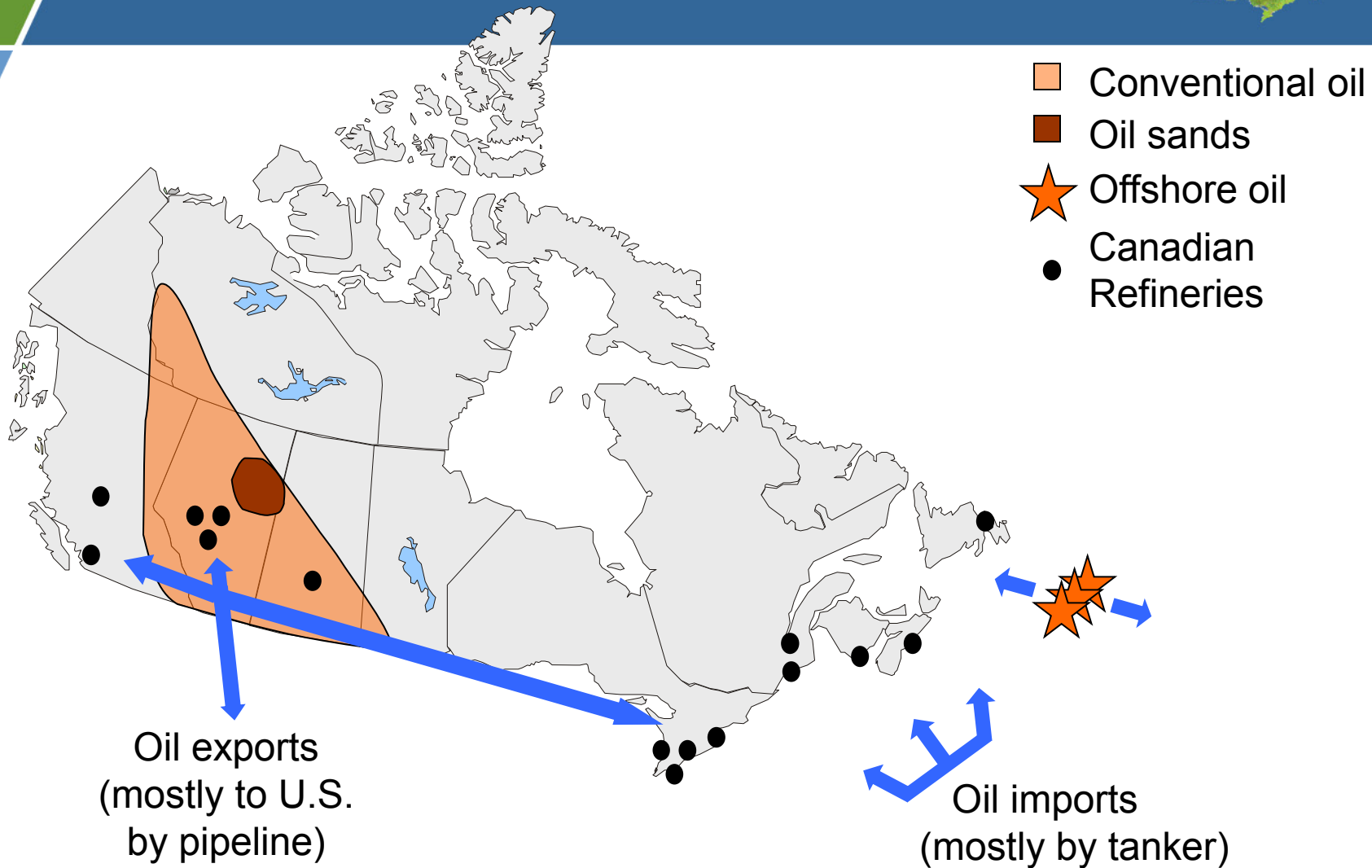
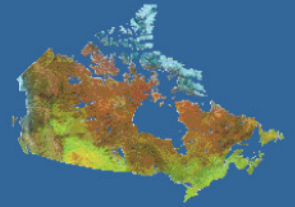


2. Canada's Complex Petroleum Landscape

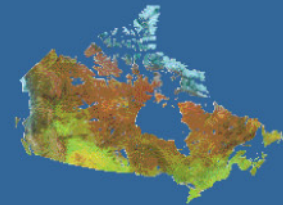


- **Production**
 - large number of producers (≈ 700 companies)
 - multitude of supply sources
 - $\approx 60,000$ conventional oil wells, offshore wells, oil sands, upgraders, NGLs
- **Transportation**
 - extensive pipeline network, tanker traffic
- **Downstream**
 - 15 major refineries plus independent distributors
- **Active trading of oil & refined products**
 - both export and import

Canada's Petroleum Map

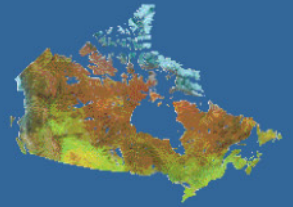


3. Canada's Petroleum Statistical System



- **Multiple regulatory agencies for upstream**
- **National Energy Board for oil exports**
- **Statistics Canada (federal statistical agency)**
 - **monthly oil pipeline survey**
 - **monthly survey of refined products**
 - **covering refining, stocks & distribution**
 - **custom-based trade statistics**
- **Natural Resources Canada (policy dept.)**
 - **IEA/JODI reporting**

4. Consultations with Data Providers



Upstream

- **Complexity of the monthly volumetric balancing among industry participants**
- **Multitude of regulated deadlines for data reporting**
 - **many \approx the 25 calendar days deadline for JODI reporting by IEA countries**
- **No regulatory interest for accelerating data reporting**

4. Consultations with Data Providers

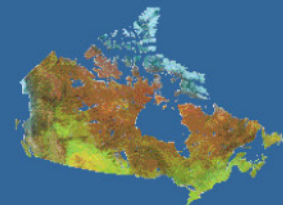


Pipeline and downstream

- **Companies have highly sophisticated internal information systems**
- **Response burden is expressed in terms of computer programs for extracting/tabulating data for statistical surveys**
- **Refineries/distributors are both providers and users of statistics:**
 - **some disconnect, however**
 - **data provided by accounting departments**
 - **but used by supply/marketing departments**

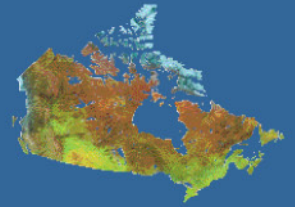


5. Actions to Accelerate Timeliness



- **Statistics Canada accelerated its pipeline and refined products surveys**
 - **secured support from refining industry**
 - **stipulated tighter timelines for survey respondents**
 - **improved internal data processing**
- **Six month test proved positive**
- **Preliminary data being publicly released in a timelier fashion**

6. Conclusion



- **Timely data for JODI M-1 reporting can pose a challenge**
 - **multitude of industry participants and complex petroleum activities**
 - **input data from various sources**
- **Canada accelerated the timeliness of its pipeline and refinery data**
 - **industry capacity and support**
- **Still, we need to remain aware of possible trade-off between timeliness and quality**