

# Criteria, Indicators and Prioritization

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# Montreal Criteria and Indicators

- Seven Criteria and 67 Indicators
- Forest Roundtable used these as a basis
- Sustainable Minerals Roundtable (SMR) started with the seven criteria and adopted them to mineral and energy systems

# Criteria for SMR

- Maintenance of productive capacity
- Maintenance of environmental quality
- Maintenance of long-term social and economic, and cultural benefits
- Monitoring trends in legal and institutional framework

# Indicators

- Attendees at meetings worked in the four criteria (or “domain”) groups to develop indicators
- These were developed during many meetings in different locations with multi-stakeholder groups (federal agencies, state agencies, environmental groups, industry, Native Americans, academia, etc.)
- Each meeting resulted in some reworking of the indicators based on location specific issues as well as new participants

# Eight Questions Addressed for Each Indicator

- (1) What issue it addresses?
- (2) What it measures?
- (3) Do data exist?
- (4) Does the science exist?
- (5) What data will be required?
- (6) Descriptive titles that communicate intent?
- (7) At what scale does it apply?
- (8) Relevance to sustainability?

# Prioritization Based on Eight Questions

- (1) What issue it addresses? – **Medium to High**
- (2) What it measures? – **Medium to High**
- (3) Do data exist? - **Medium**
- (4) Does the science exist? - **High**
- (5) What data will be required? - **Low**
- (6) Descriptive titles that communicate intent? – **Low to Medium**
- (7) At what scale does it apply? - **High**
- (8) Relevance to sustainability? - **High**

# Final Prioritization Criteria

## **Primary Set**

- Relevance to sustainability
- Scale at which it applies (must be relevant at national scale)
- The science exists to obtain the data
- The issue it addresses and what is measured is important to the sectoral stakeholders

## **Secondary Set**

- The data exist to populate the indicator
- Resources are available to populate the indicator by a given date

# Prioritized Indicators

- List was developed based on:
  - The prioritization criteria
  - A need to have a manageable number of indicators
  - A need to adequately reflect the issues with respect to mineral and energy systems as addressed by the four criteria