

Conclusions – Track A and Panel I

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**Sustainable Development Indicators
in the Minerals Industry**

Entering 'The International Year of Planet Earth'

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Policy

- We are entering new era of policy revision
- Sustainability-based policies
- Emphasis on ensuring supply
- Dynamic
- New policy model, e.g., Eco-Mining
- *Need for policy*
- *Need for policy coordination and prioritization*
- *Science-based policy*
- *Minerals sector should be pro-active instead of passive on policy issues*

Supply

- Demand for energy and non-energy resources is increasing, leading to:
- Increased exploration and production, but also substitution and recycling
- Potential for depletion of some resources
- Not just a market issue
- *Need to reconsider consumption patterns*
- *Need for exploration*
- *Need for research on substitution, recycling, efficient use of resources, and new materials*

Disconnects



- Dynamic tension between societal need for minerals and the decisions, opinions, choices and directives of civil society and governments.
- Gaps
- *Need to communicate to civil society information about the source of materials*
- *Need for governments to provide funding for research and data collection, storage and dissemination.*
- *Actions beyond the traditional role of government – building trust and facilitating communication*
- *Acting upon feedback*

Mine to Market



- Firms learning what their customers want – product characteristics
- Competition between products based on superior environmental and social attributes
- Eco-profiles of materials
- Material stewardship – cradle to grave (or reincarnation)
- Choices
- *Reconsider how products are produced and marketed*
- *New and reformulated products*
- *Importance of reputation, inter-relationships*



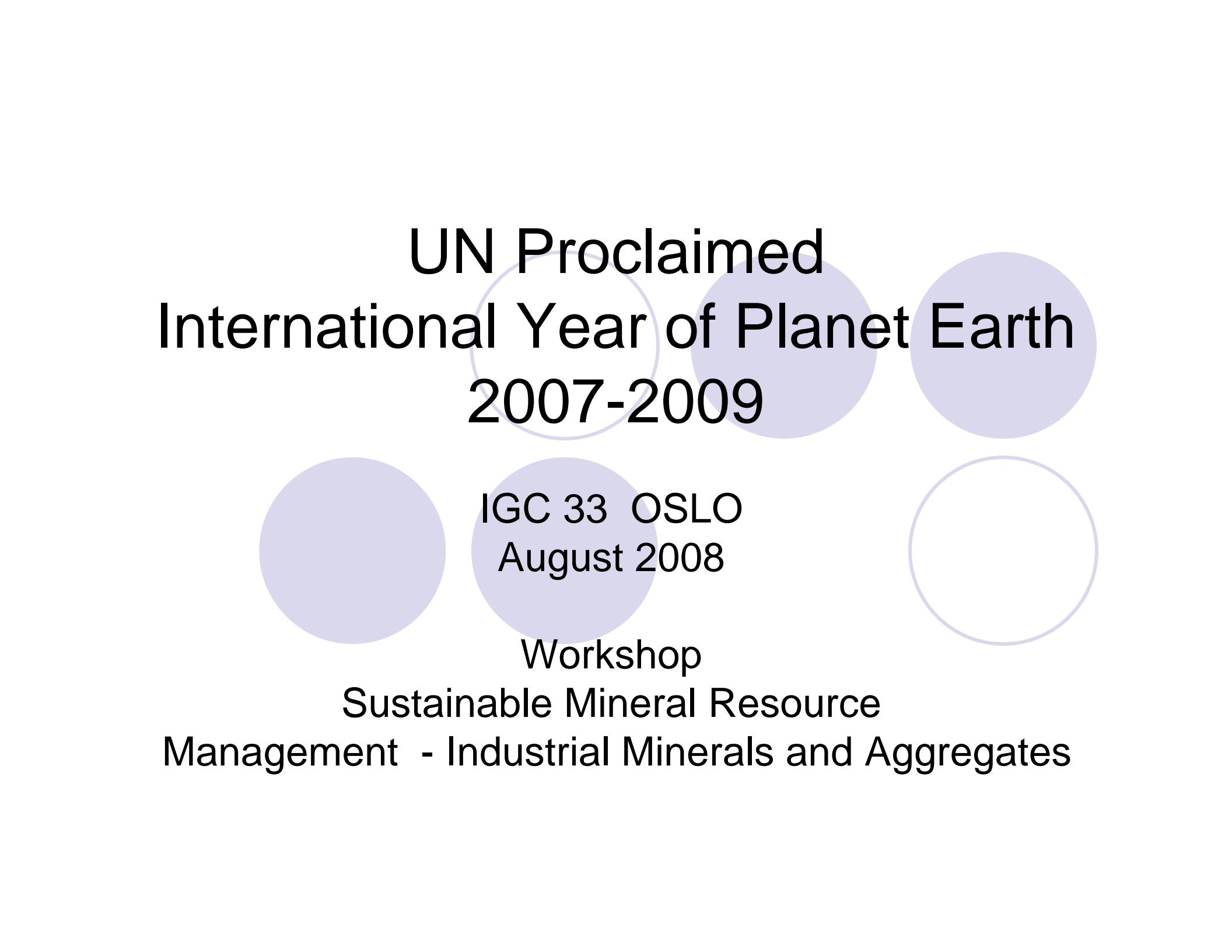
Information and Education

- Transparency
- Indicators, but information beyond indicators
- Sharing and facilitating transfer among communities of interest
- Mutual education
- E-learning
- *Need for knowledge base*
- *Need for increased access to information*
- *Need to share information internally as well as with communities of interest*
- *Incorporate sustainability into education K-12, university level*



Recurring Words – Buzz Words

- Life cycle assessment and MFA
- Carbon-footprint
- Capacity-building (with a new name?)
- Sector governance
- Continuous learning
- Sustainable resource management
- Sustainability models
- Multi-criteria modeling
- New approaches to mine design
- Technological advancements
- Not in my life style



UN Proclaimed International Year of Planet Earth 2007-2009

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Workshop

Sustainable Mineral Resource
Management - Industrial Minerals and Aggregates