



The CRIRSCO Template and its relationship to UNFC-2009 and PRMS

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CRIRSCO

- What is CRIRSCO?
- Minerals reporting standards
- The CRIRSCO classification
- Mapping to UNFC

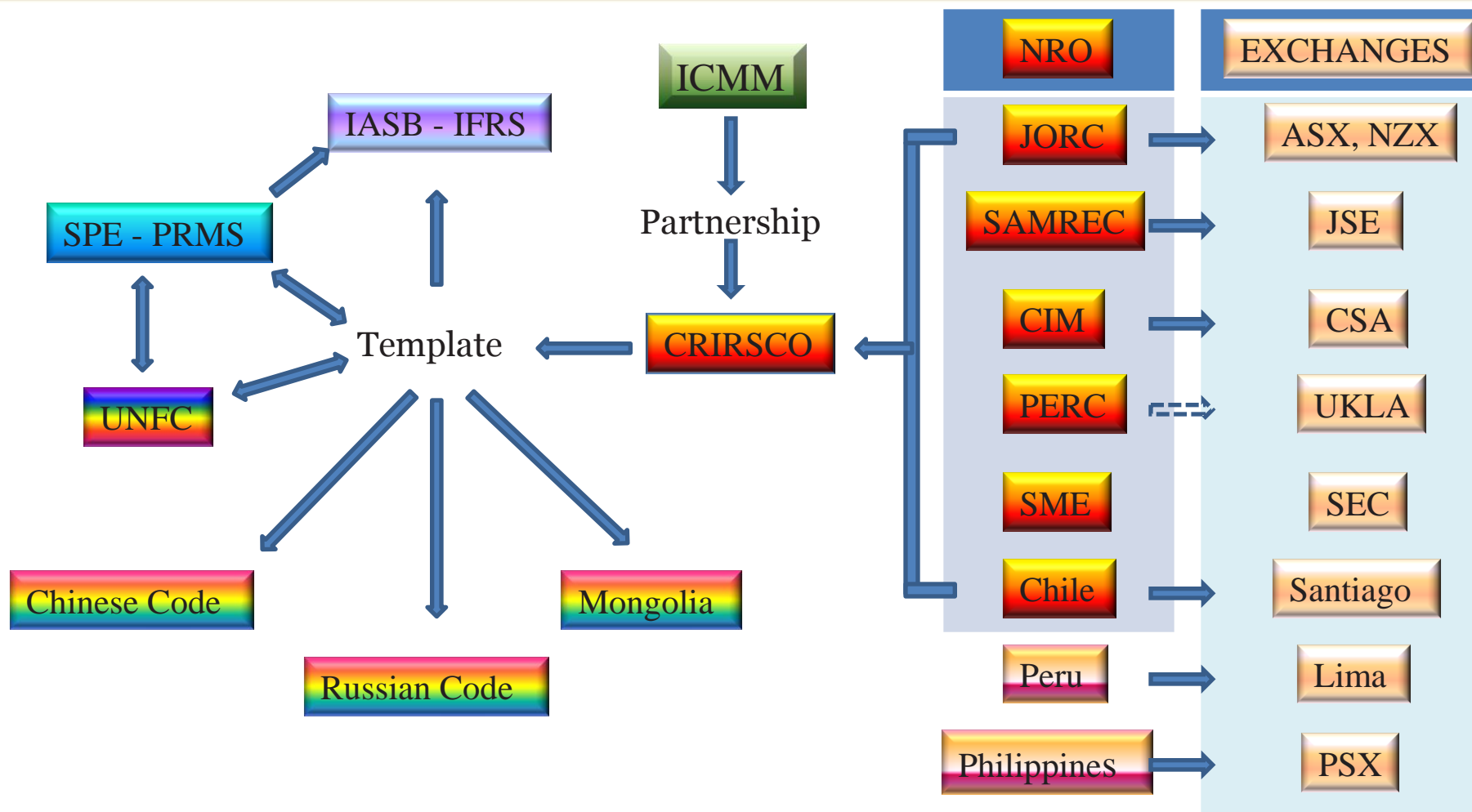
FIRST EDITIONS

JORC (1989) – IMM (1991) – SME Guidelines (1992) – CIM (2000) –
SAMREC (2000) – Chile (2007) – Philippines (2007) – – –

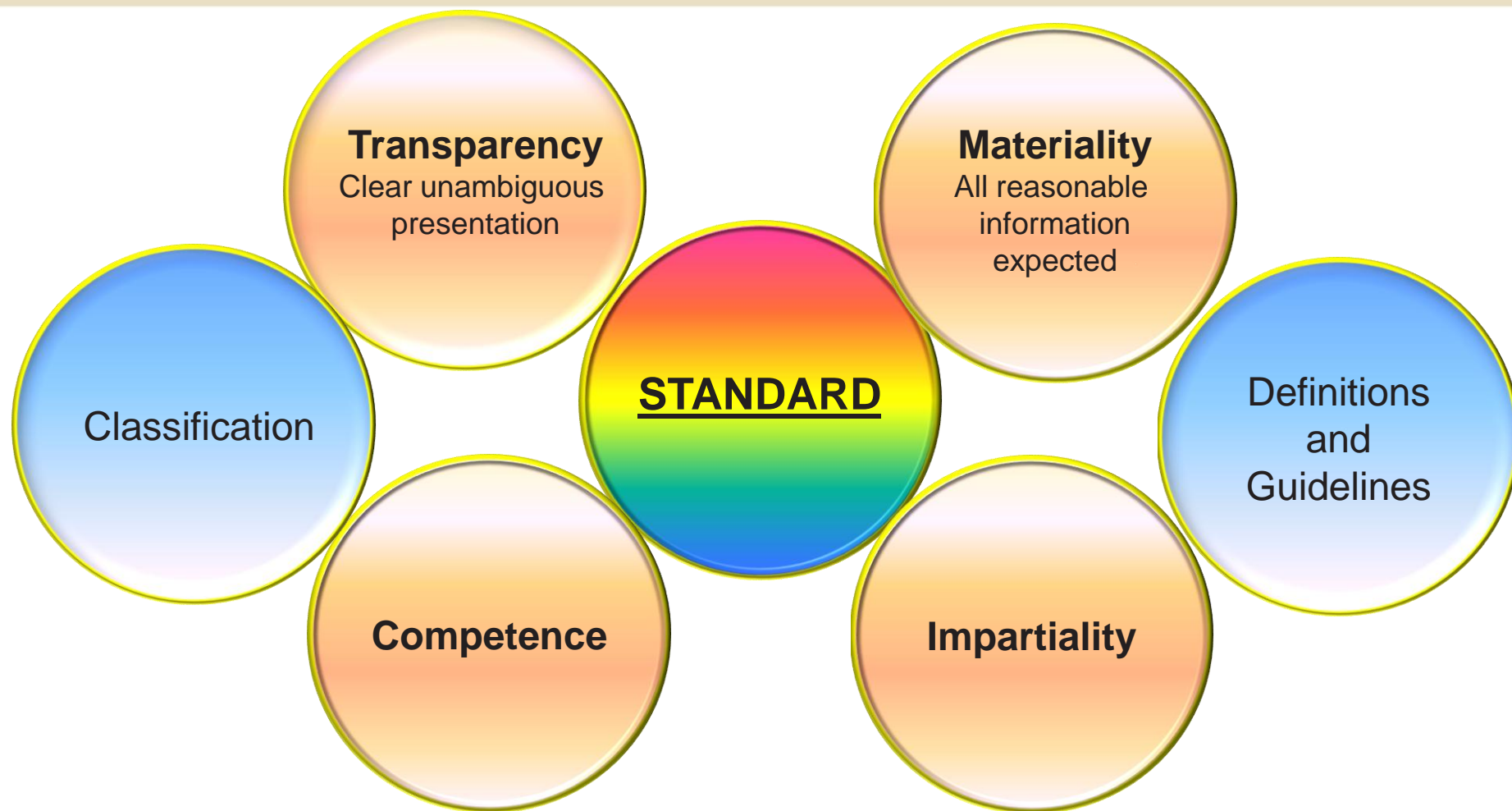


INTERNATIONAL DEVELOPMENTS

1997: Denver Accord 1998: Geneva Convention with UNECE



- The NROs have each defined standards for public reporting of resources and reserves of solid minerals
- CRIRSCO was set up to assist convergence of these standards
- Future standards development is guided by the agreed **CRIRSCO TEMPLATE**



1. Sets minimum standards for public reporting of Exploration Results, Mineral Resources and Mineral Reserves
2. Provides a mandatory system for classification of tonnage/grade estimates according to geological confidence and technical/economic considerations
3. Provides definitions for mineral resource and ore reserve classes that are compatible with international agreements
4. Requires Public Reports to be based on work undertaken by a Competent Person; describes the qualifications and type of experience required to be a Competent Person
5. Provides extensive guidelines on the criteria to be considered when preparing reports on Exploration Results, Mineral Resources and Mineral Reserves

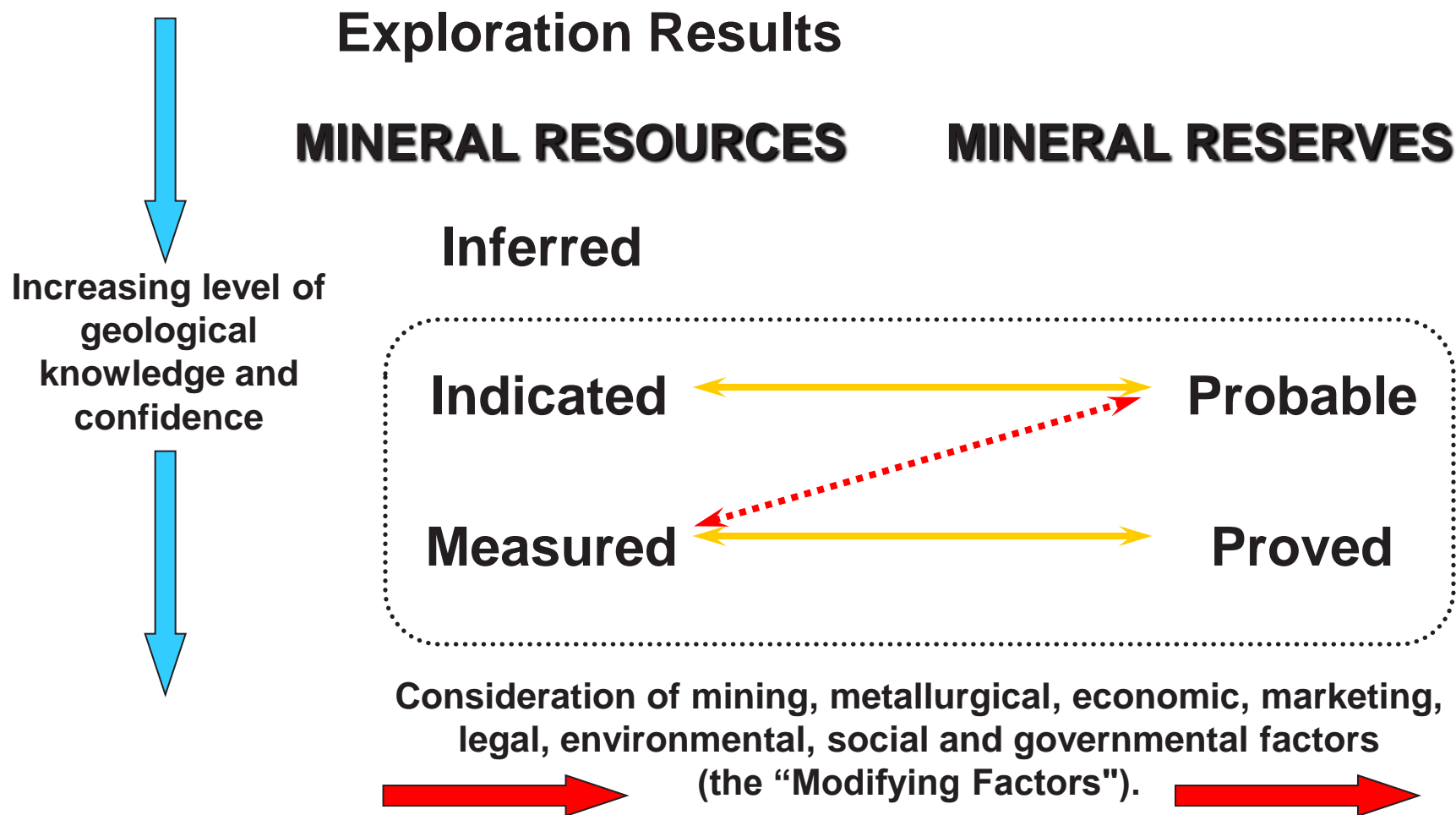
WHAT CRIRSCO DOES NOT DO

1. Regulate the procedures used by Competent Persons to estimate and classify Mineral Resources and Ore Reserves (methodology)
2. Regulate companies' internal classification or internal reporting systems
3. Deal with breaches of the Code by companies (This is a function for the Stock Exchanges)
4. Deal with breaches by individuals, these are dealt with under code of ethics of the relevant professional association

Rules of Conduct and Guidelines

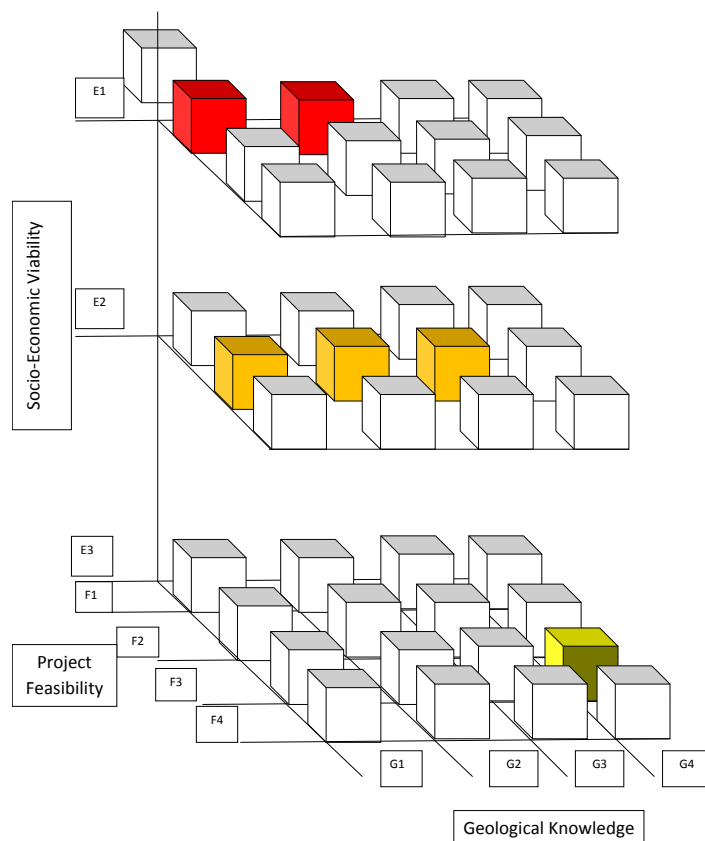
- **Duty To:**
 - The Public and Society;
 - The Profession, Employers and Clients;
 - Professional Bodies, Colleagues and Associates;
 - The Environment, Health and Safety

- Must have a defined minimum of relevant experience
- Must be a member of a recognised professional organisation with a code of ethics and disciplinary procedures



- CRIRSCO-aligned standards are written to meet the requirements of different regulatory regimes
- **The TEMPLATE provides a common basis for national standards, extended or modified as required to meet local needs**

[Detailed](#)



111 = Proved Reserves

112 = Probable Reserves

221 = Measured Resources

222 = Indicated Resources

223 = Inferred Resources

334 = Exploration Results

- A method for governments and NGOs to incorporate market data (using the CRIRSCO classification) into databases and broader statistical summaries
- A mechanism for companies to use, if they wish (for in-house planning – NOT for public reporting) a standardised classification beyond the publicly reported CRIRSCO categories