Sustainable Resource Management with UNRMS

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Navigating the Future: UNRMS and Global Sustainability

**Global Imperative**: A strategic response to the 2030 Agenda for integrating social, environmental, and economic objectives

**Sustainability at the Core**: Emphasizing sustainable resource patterns' critical role in mitigating environmental and societal impacts and ensuring long-term resource availability

**Technological Advancement**: Incorporation of high-impact technologies for precision in resource discovery, recovery, and processing
Resource Dilemma: The Need for Integration
UNRMS Solution: A Symphony of Resources

**Strategic Integration:** UNRMS provides a unified system for classifying, accounting, and reporting on resource production, ensuring alignment with social, environmental, and economic viability.

**Technological Synergy:** Incorporates high-impact technologies for efficient discovery, modelling, and precision in resource recovery and processing.

**Cornwall Case Study:** Demonstrates UNRMS’s first application in Cornwall, UK, where it is used to guide sustainable development actions for the region’s mining renaissance.

**Continuous Improvement:** A roadmap for updating UNRMS documents ensures the system remains relevant and effective in addressing evolving sustainability challenges.
Sustainability and Environmental Stewardship

- **Responsibility to the Planet**: Long-term cost-benefit analyses; Strategic Environmental Assessments; Nationally Determined Contributions; Resource and energy use efficiency; Greenhouse Gas Intensity; Water use and management; Land footprint; Residues and effluents; biodiversity conservation; Periodic sustainability reporting

- **Comprehensive Resource Recovery**: Maximize By- and Co-Product Utility; Optimize Land Use

- **Circularity**: Waste Hierarchy Model; Design for Circularity; Anthropogenic Resources

- **Health and Safety**: Crisis Management; Safety Protocols; Health Standards; Residue Management
Governance and Strategic Management

- **State rights and responsibilities**: National Policy; Regulatory Compliance; Inter-Authority Coordination; Technical Services; International Cooperation

- **Integrated Management of Resources**: Information Accessibility; Resource Estimation; Opportunity and Risk Management; Productivity Enhancement; Financial Integrity: Sustainable Investment; Inclusive Mining Practices; Quality Assessments; Future Financial Planning

- **Value Addition**: Nexus Approach; Feasibility Studies; Assessment and Reporting; Linkages Management; Supply Chain Optimization; Life Cycle Assessments

- **Transparency**: Supply Chain Clarity; Due Diligence; Government Reporting; Data Quality Standards; Expert Evaluations
Social and Economic Development

**Social Engagement:** Human rights protocols; Indigenous populations; Stakeholder capitalism; Communications and Outreach

**Innovation:** Hybrid Innovation Models; Build-Measure-Learn; Minimum Viable Products; Innovation Accounting

**Service Orientation:** Service-Oriented Business Model; Sustainable Lifecycle Management

**Continuous Strengthening of Core Competencies and Capabilities:** Institutional Strengthening; Re-Skilling
UNRMS: A Multifaceted Tool for Governments, Companies, and Practitioners
Governments

Benefits

Policy Harmonization: Align national resource management with global sustainability standards

Economic Growth: Drive efficient resource utilization and attract sustainable investments

Environmental Stewardship: Enhance environmental protection and meet SDG commitments
Companies Benefits

Operational Excellence: Streamline processes and reduce environmental footprint

Competitive Advantage: Build a reputation for sustainability and attract eco-conscious stakeholders

Innovation and Market Expansion: Use UNRMS insights to innovate and explore new sustainable markets
Practitioners

Benefits

**Informed Decision-Making:** Leverage UNRMS data for strategic resource management

**Skill Enhancement:** Gain expertise and recognition in sustainable practices

**Collaborative Innovation:** Participate in a global network of sustainability professionals
THE VIEWS EXPRESSED ARE THOSE OF HARI TULSIDAS AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE UNITED NATIONS.

Thank you!

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