

Sustainable Resource Management with UNRMS

Hari Tulsidas
UNECE

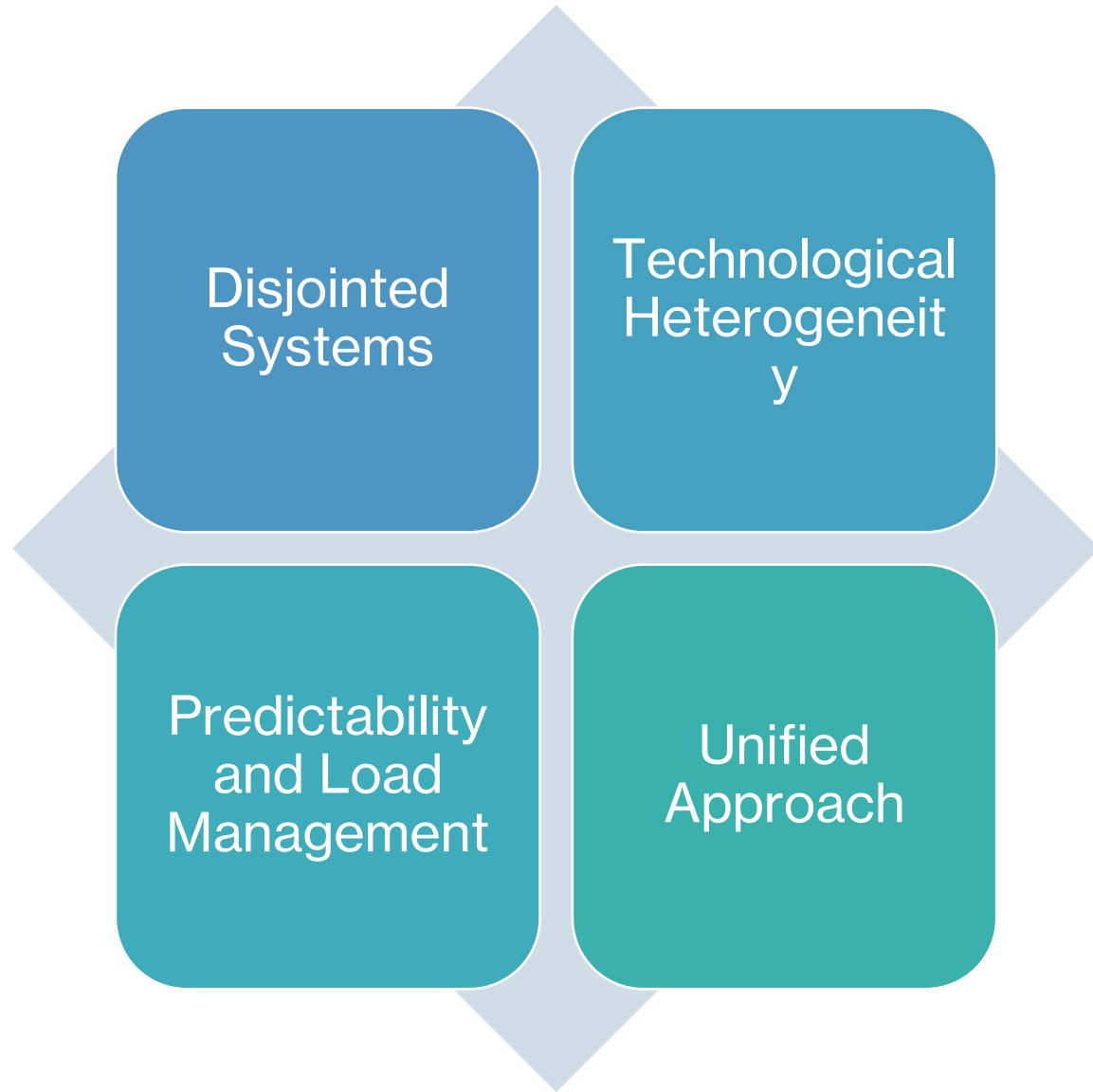


Navigating the Future: UNRMS and Global Sustainability

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



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

UNRMS Solution: A Symphony of Resources

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

United Nations Resource Management System
Principles and Requirements



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



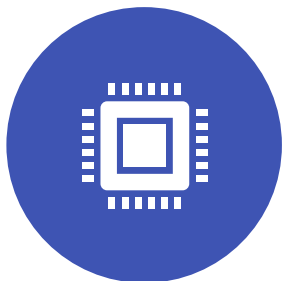
Social and Economic Development



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



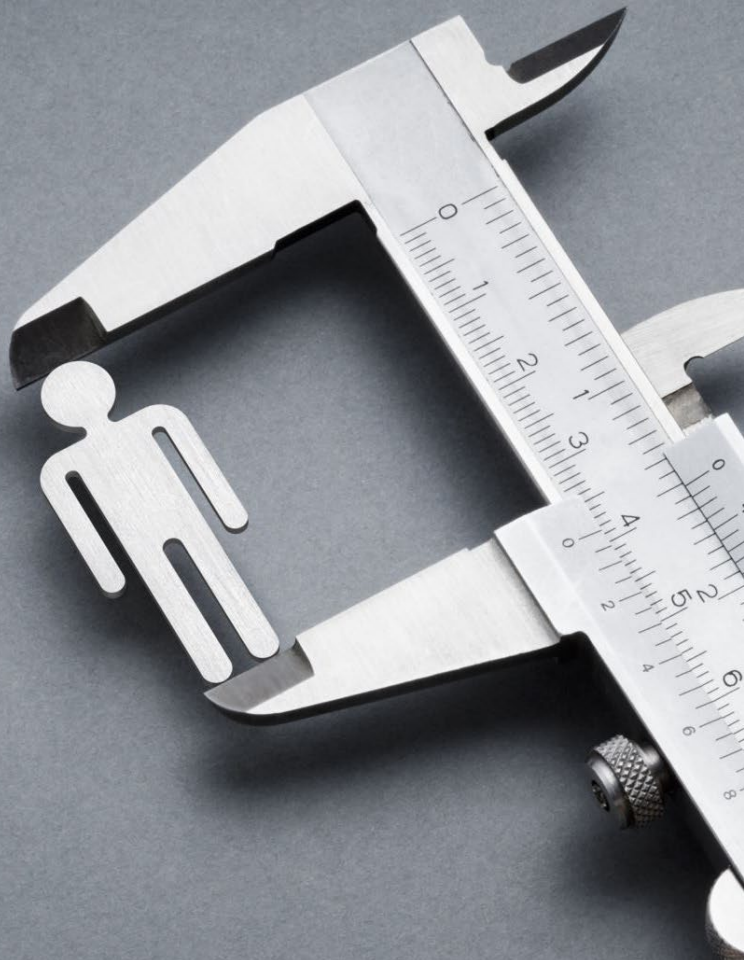
Service Orientation: Service-Oriented Business Model; Sustainable Lifecycle Management



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



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

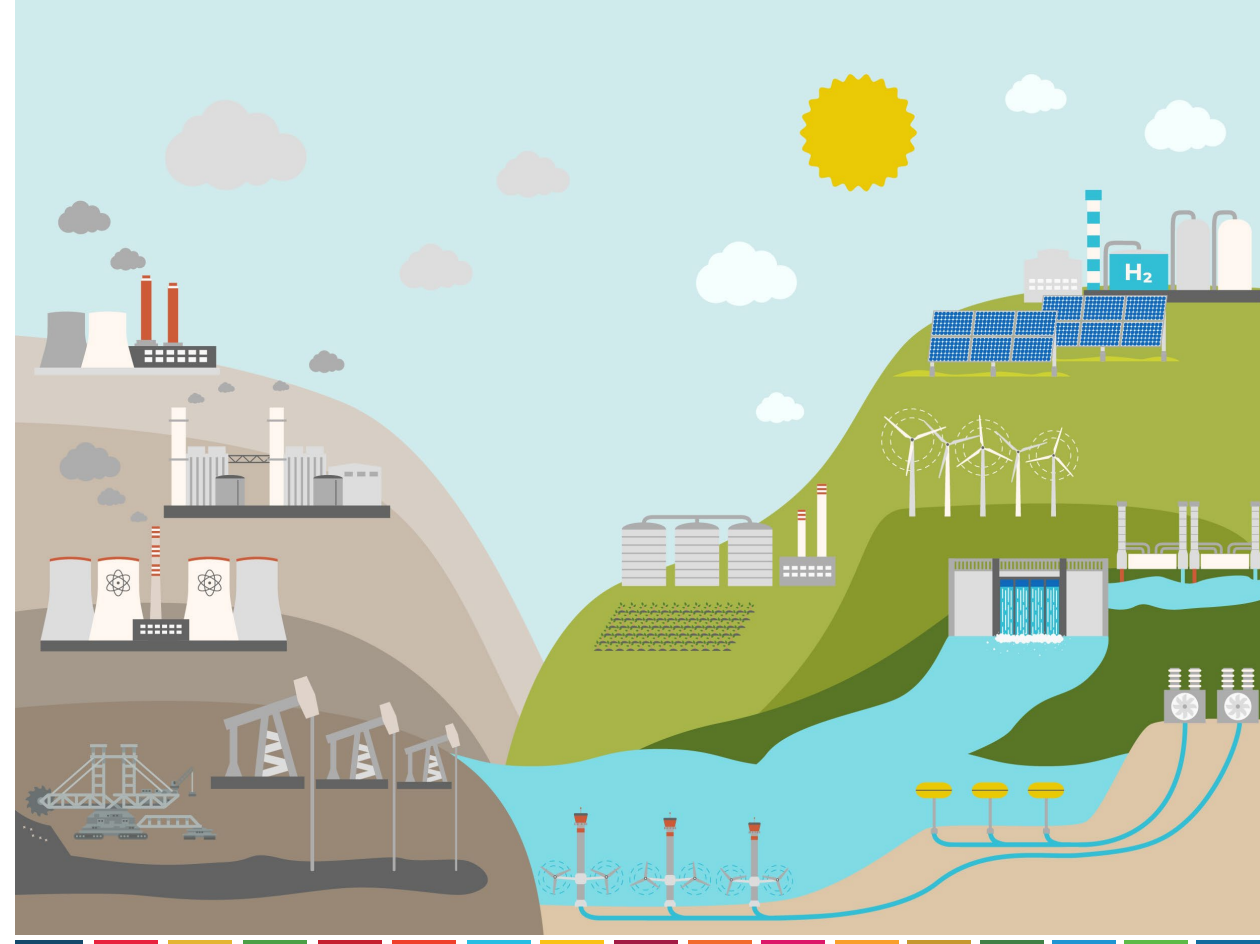
THE VIEWS EXPRESSED ARE THOSE OF HARI TULSIDAS
AND DO NOT NECESSARILY REFLECT THE VIEWS OF
THE UNITED NATIONS.

Thank you!

Hari Tulsidas
Technical Lead UNFC & UNRMS

UNECE

Date 26 | 04 | 2024, Geneva



RESOURCE MANAGEMENT WEEK
2024



UNECE