China Section

UNFC and UNRMS Toolkit

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1. Vision: Professional Data Center for Resource Management Systems

Data Base covers:
- Resources Management Systems: Code and KI system
- UNFC Documents: definitions, principles ...
- Case studies: Chinese, Russian, Mexico ...
- UNRMS test: Value chain analysis ...
- Global public data convergence: UN, NGO, Governments
- Resource data mining and intelligent analysis
- Data stream sharing with ICE-SRM
- Public policies and decision making
- Workshops, training and knowledge dissemination ...

- Cloud, Network, Terminal
- Cross-sectors collaboration & technology sharing
- Interconnection of standards
- Emerging specialization of global value chains
- Emerging Enabler of Production

Smart Platform
1. Vision: Network for global ICEs and EGRM members

**Collaboration and Cooperation Network**

- Collaborative development on SRM goals and pathways
- Collaboration on UNFC/UNRMS’ ever green development
- Sharing SRM Ideas, techniques, and best practices
- Promoting Bridging and mapping
- Supporting 2030 Agenda
- Promoting sustainable and integrated resources management globally
- Serving green financing and investments
- Cooperation on training, education, outreach
- Enabling global recovery ...
2. Platform Framework

**Platform:** Synchronous Sharing

**Center:** Global support

**Network:** Perspective Interconnection

**Service:** China delegation

**Services:**
- Technical exchange
- Information sharing

**UNFC Toolkit (China Section)**
3. Function Modules (Phase I)

01 Standards
- GB/T 19492 Series
- GB/T 17766 Series
- UNFC/UNRMS
- PRMS Series
- CRIRSCO Template Series

02 Bridging Documents
- Chinese petroleum BD
- Chinese Mineral BD
- Mapping PRMS to UNFC
- Mapping CRIRSCO to UNFC
- Update & Revision

03 Case Studies
- Case study of Chinese petroleum BD
- Case study of Chinese Mineral BD
- UNFC/UNRMS case studies
- Standardization and data mining

04 Projects
- Link to projects within UN system
- Extra-budgetary projects in ICEs
- Multi-parts cooperation projects
- Public Welfare Fund Projects (global public date)

05 China Delegation
- History achievements
- Annual work program
- UNFC in China

06 Documents
- EGRM documents (Minutes, Letters, Documents)
- UNFC/UNRMS Documents
- MNR Documents

07 Meeting, Training, APP
- Service for collaboration and cooperation
- UNFC knowledge dissemination, data sharing, etc.
4. Technical Roadmap: Data Convergence-Integrated Study-Application & Service

Data Sources
- Data Mining & IRM
- Task force
- Structural correlation
- Integrated Study
- Global public data Convergence
- Interconnection
- New Laws
- New Knowledge
- Energy LCA Database

Structural correlation
- Underlying relationship between energy and environment
- Underlying relationship between energy and economy
- Underlying relationship between energy and health
- Etc.

Data Mining & IRM
- Production Process
- Statistical Analysis
- Engineering
- Market Analysis
- Technology Economy
- Enterprise Site Selection
- Labour and Employment
- Carbon Emissions
- Pollutant Discharge
- Etc.

Service
- National Energy Policy
- Energy Layout
- Energy Structure
- Carbon Accounting
- Pollutant Accounting
- Training and education

SDGs
Contents

- Overview
- Application: Case studies
- Planning
Key Point 1. Basic data and information per GB/T 19492-2004
Key Point 2: identify mapping scheme and mapping with UNFC codes

Application Example: Case study of Chinese Petroleum BD
Application Example: Case study of Chinese Petroleum BD

Key Point 3: 3D Tool for display and analysis, supporting integrated study and reporting
Contents

Overview
Application: Case studies
Planning
Line with the 5-point UN action plan

1. A new social contract to operate
2. Sustainable and integrated management of resources with a Food-Water-Energy Nexus perspective
3. Environmental and Social Governance (ESG) Focused Investments
4. Innovative models such as “Resource as a Service” to ensure circularity, traceability and transparency
5. New style strategic environmental assessments.
Next Step

1. On going construction of the Toolkit …
2. Extensive cooperation with EGRM working groups …
3. Disseminating UNFC/UNRMS Knowledge …
4. Apply UNFC/UNRMS approaches in practice …
5. Actively support global collaboration & data sharing …
Thank you!