



QA/QC AND VERIFICATION OPERATION AT THE FACILITY IN CHINA

LI PENG

SINOCARBON, LTD

PARTNERSHIP FOR MARKET READINESS

3RD REGIONAL MRV TECHNICAL TRAINING

IZMIR, TURKEY

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Content

1. Overview of verification program in China
2. Legal and institutional set up
3. QA/QC and Verification operations in facilities
4. Third party accreditation program

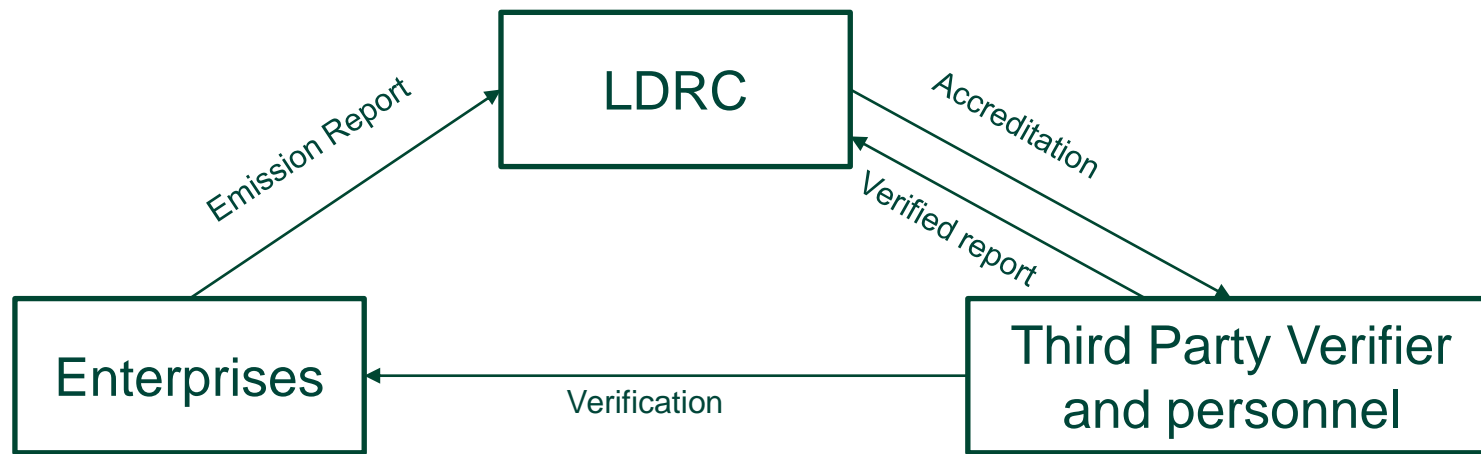
National Scheme

- To be developed

Pilot Scheme

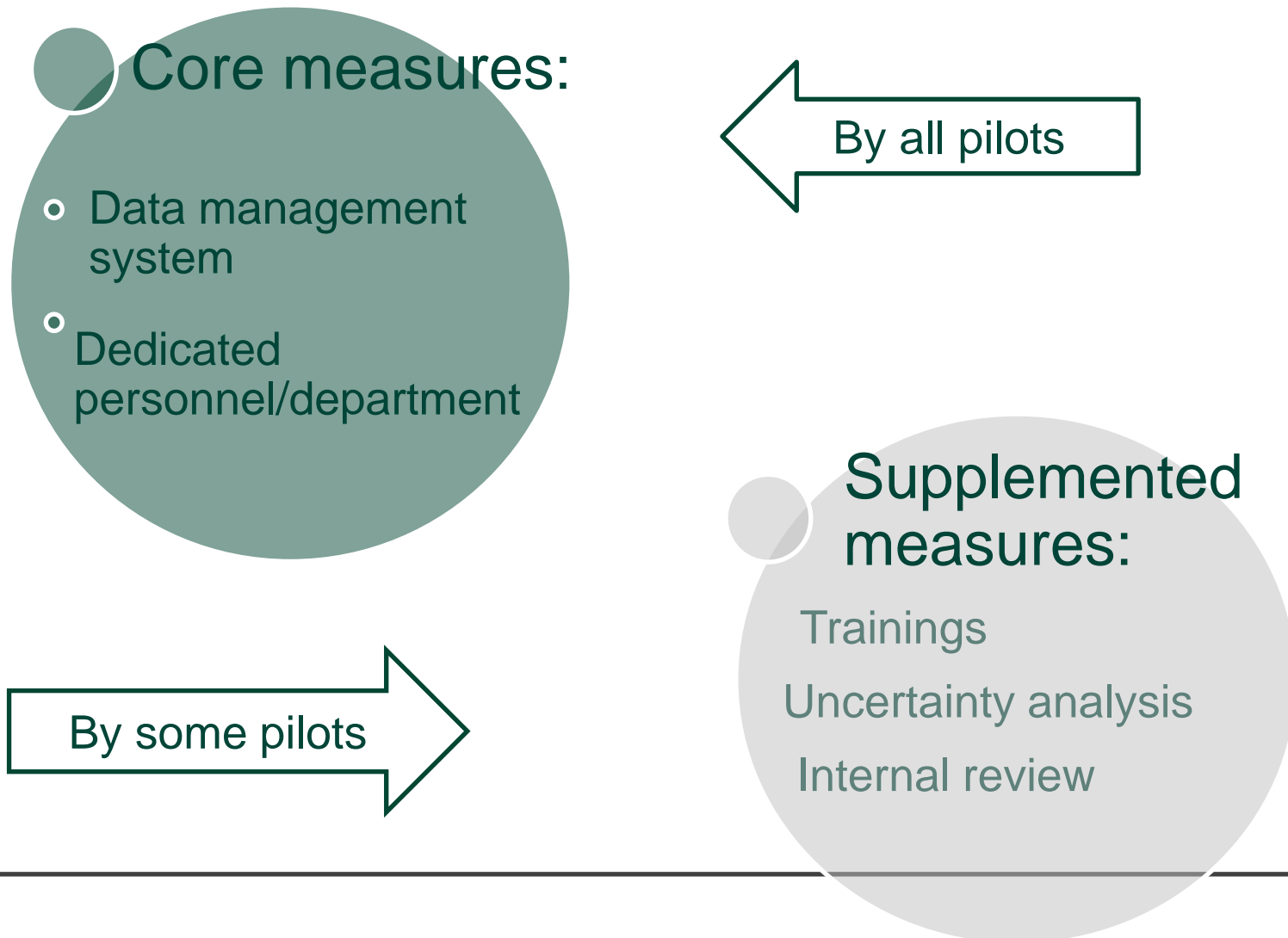
- Guideline/Regulation released (except for Tianjin)
- Accredited certain verifiers
- Completed historic and annual verification

- ◆ Types of rules and regulation
 - Regulation of third-party verifier accreditation
 - Guidelines on GHG emission verification
- ◆ Institutional set up



3. Quality assurance and control

◆ QA/QC requirements set out in GHG reporting guideline



Data management

- Establish data management mechanism for monitoring, data collection and acquisition
- Measures for data missing and change in activity
- Norms for data archive
- Standards for equipment calibration

Dedicated personnel/department

- Specify designated department for GHG emission data management
- Specify designated personnel for GHG emission data management
- Establish relevant norms and standards
- Clarify duty and responsibility of staff

3. Verification operations in facilities

Verification Procedures



Preparation phase

◆ Verification agreement

- Feasibility assessment according to qualification, conflict of interest
- Confirm scope, standards, team members, budget, confidentiality, etc.

◆ Organize verification team

- Consists of 2 or more professionals
- Right qualification: sector knowledge, able to identify boundary and sources, familiar with GHG quantification

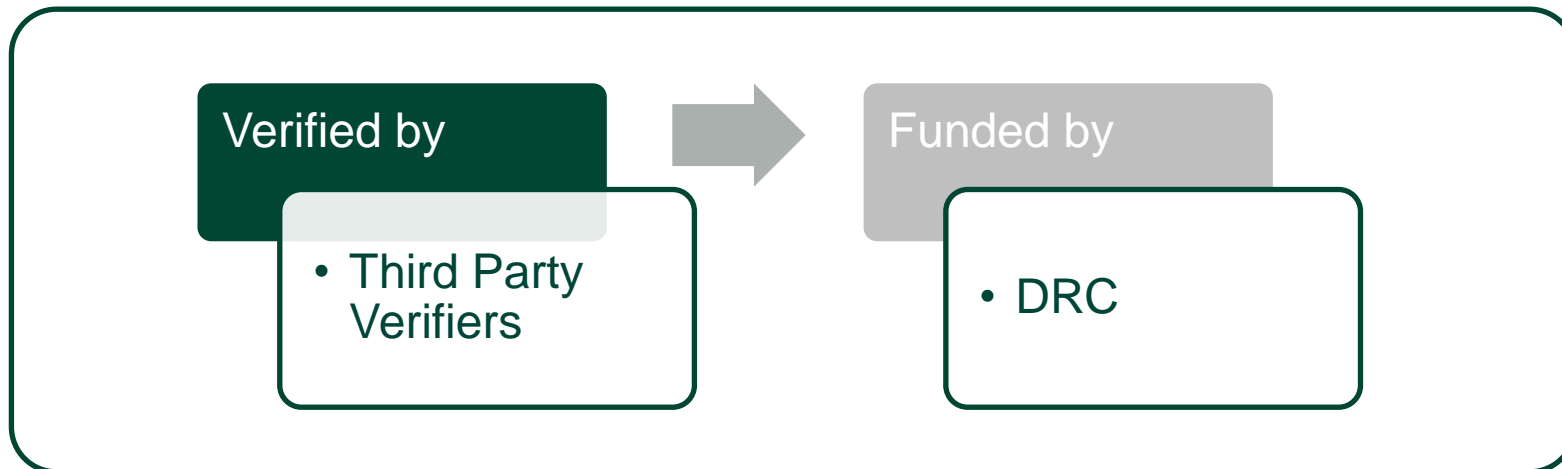
Implementation phase

- ◆ Desk review, include but not limited to
 - Business license
 - Process flowchart
 - Energy balance sheet
 - Energy audit report
- ◆ Onsite visit (Sampling by \sqrt{N})
 - Review supplemental materials and evidence
 - Interview with relevant staff
 - Check installations and measuring equipment
 - Inform companies about findings and non-conformities

Report writing phase

- ◆ Report writing
 - Process of verification
 - Emission calculation
 - Verification Result
- ◆ Internal peer review and submission
- ◆ Record keeping
 - Agreement
 - Record of communication
 - Evidence
 - Reports

4. Third party accreditation program



Pilots	Number of verifiers
Beijing	15
Tianjin	4
Shanghai	10
Guangdong	5
Shenzhen	18

Thank You

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