



# Interaction between GHG and Transaction Registries in Market Mechanisms in China

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PARTNERSHIP FOR MARKET READINESS

3<sup>RD</sup> REGIONAL MRV TECHNICAL TRAINING

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# Content

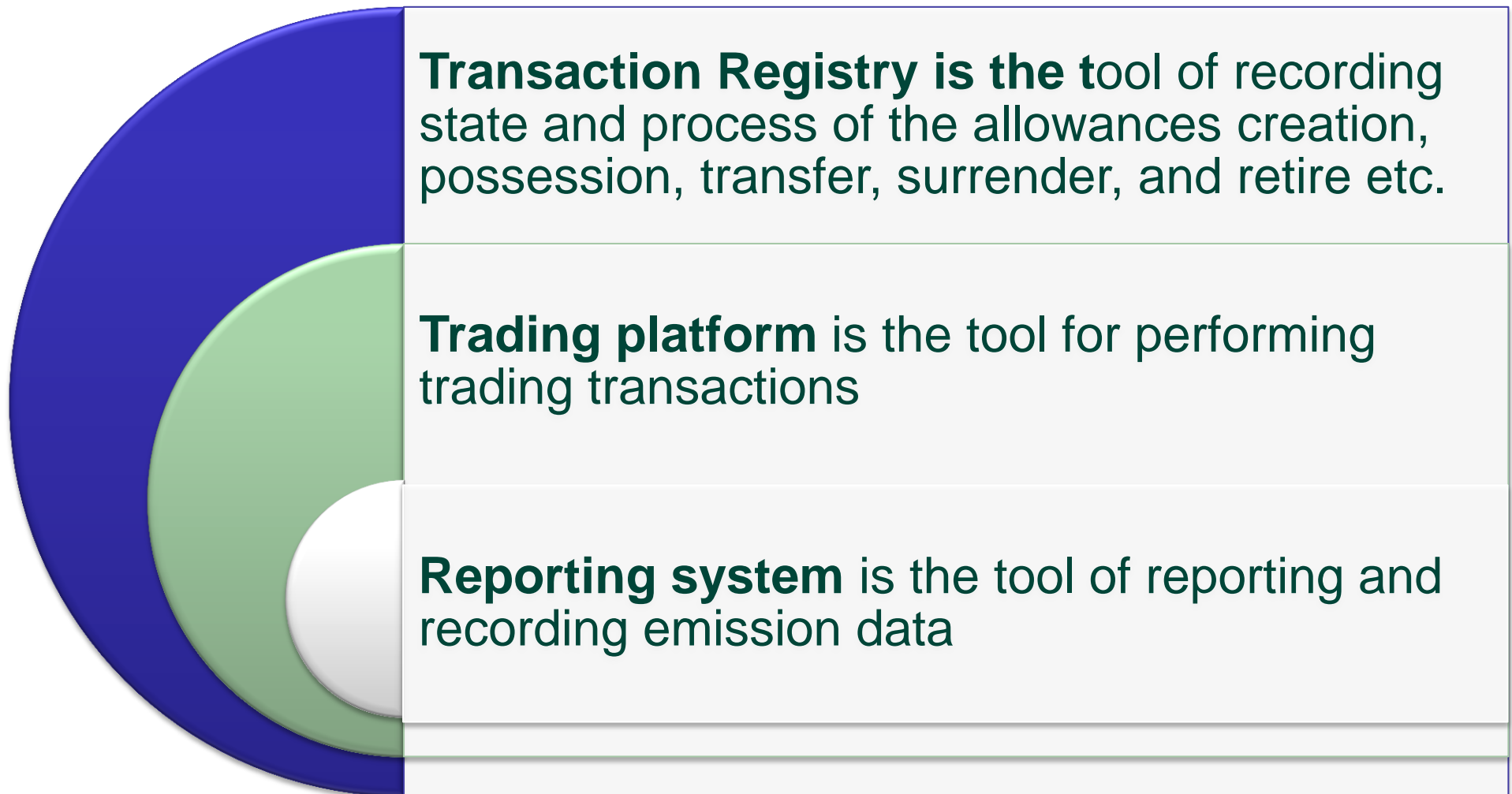
1. Type of GHG data management infrastructure
  2. Reporting system and transaction registry
  3. Data inputs received by the transaction registry
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- ◆ Type 1: National and provincial GHG inventory
  - Provincial: Standard Format
- ◆ Type 2: National Reporting and pilot ETS
  - National: In progress
  - Provincial: complete management infrastructure

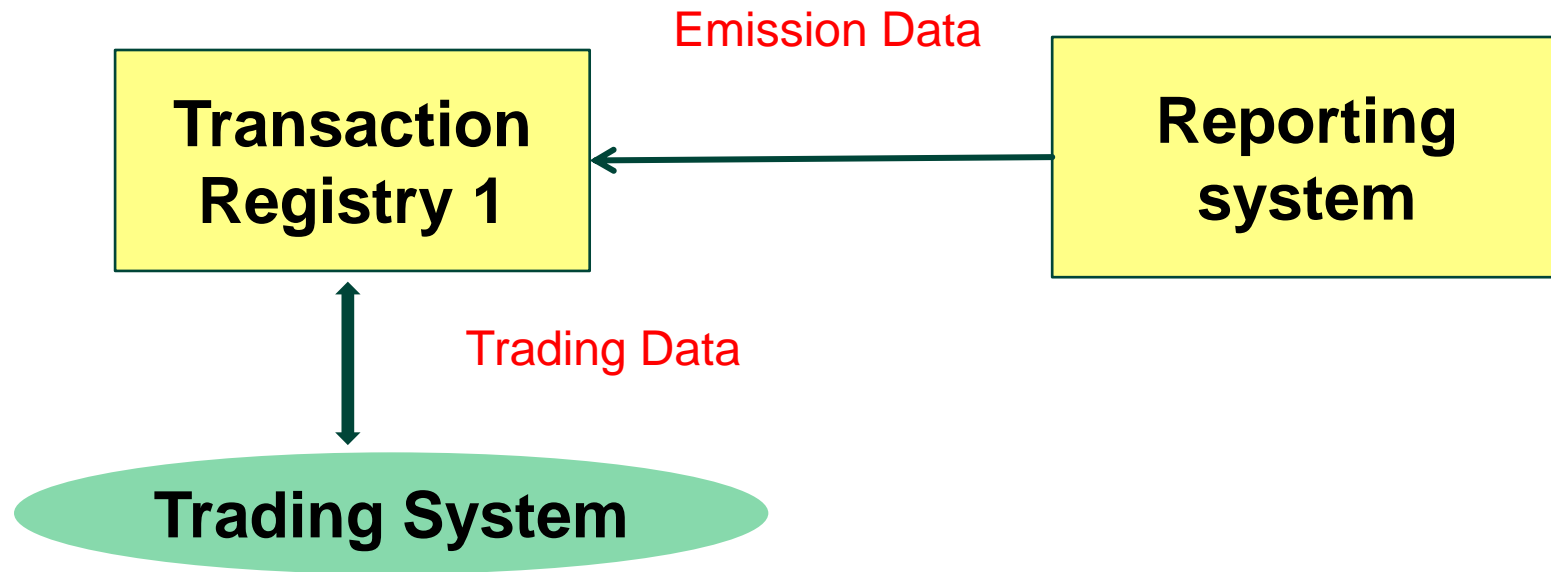


Transaction Registry

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## 2. Relationship between different tools

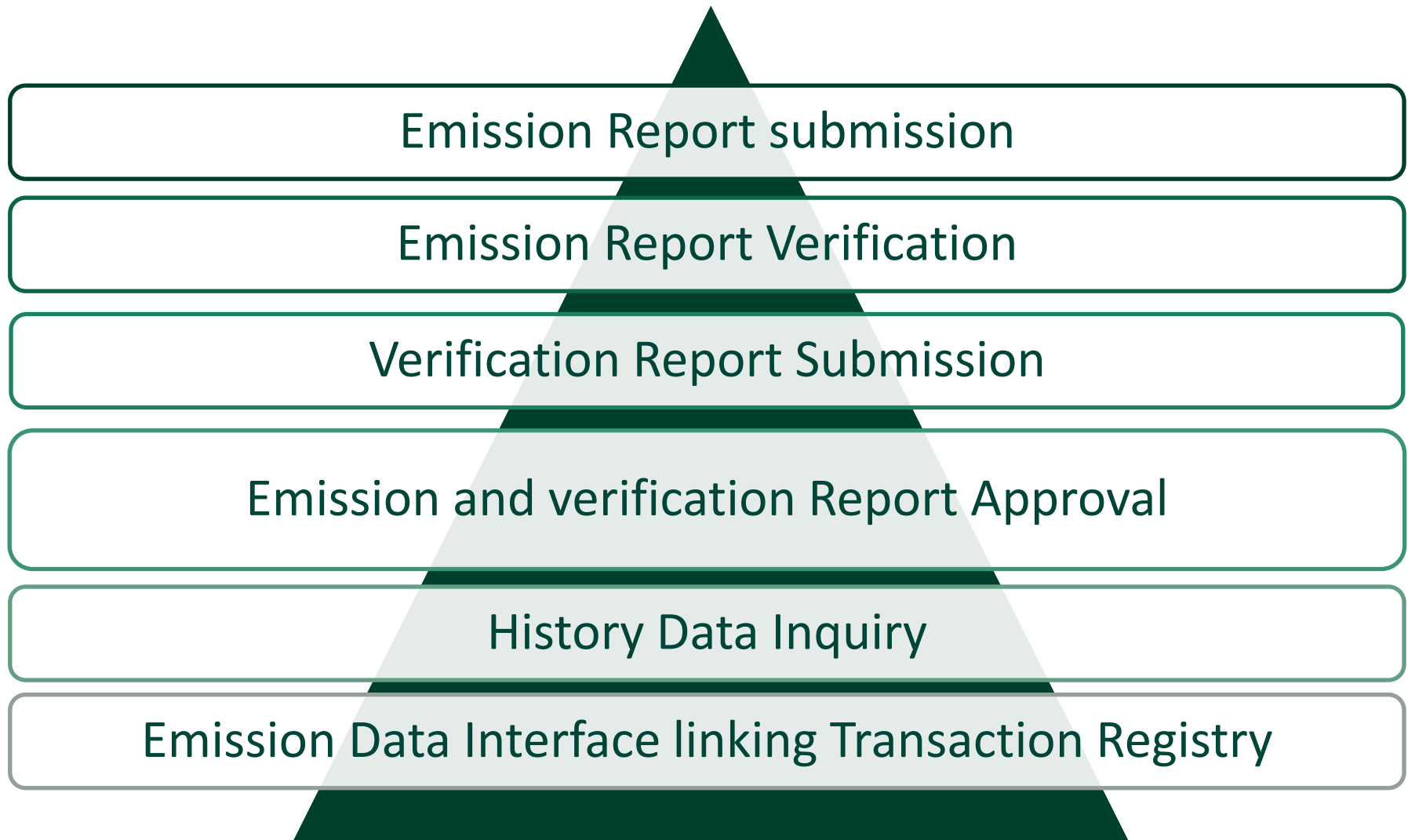


- Transaction Registry is the core of carbon emission trading.
- Transaction Registry obtains emissions data from reporting system in order to complete the compliance procedure .

- ◆ Linking transaction registries
    - National and pilot: CCER, no direct linkage (offline)
    - National and other countries: Consideration in the technical perspective
  - ◆ managing vintages of units/allowance
    - Designed in the database
    - CCER: currently no limit
    - Allowances: not stated
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## 2. Function of the reporting system

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## 2. Functioning of transaction registry

Transaction Registry



**creation**

**allocation**

**transfer**

**surrender**

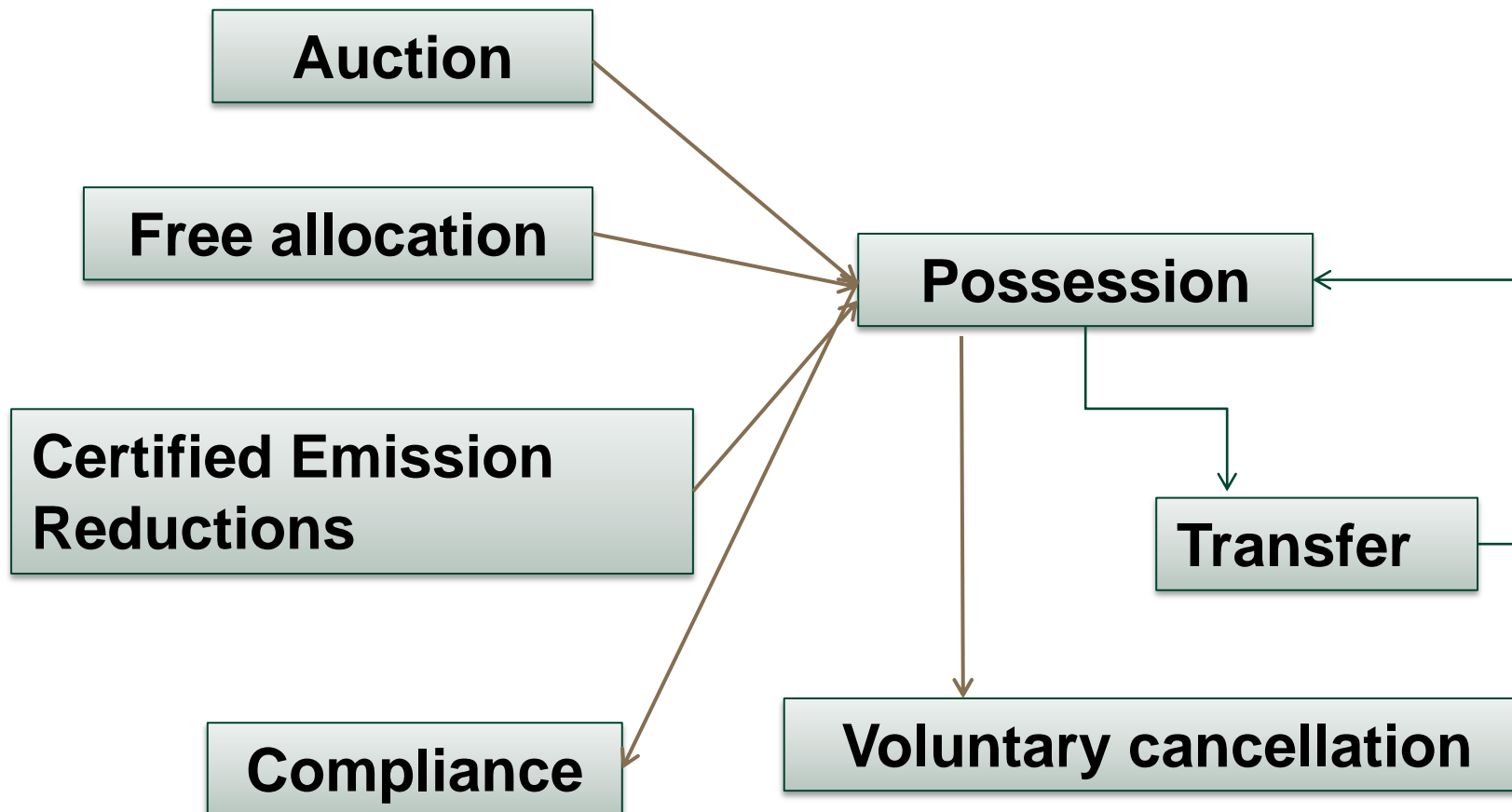
**deletion**

**issuance**

Note: 1) The electronic database system can access securely via the Internet  
2) All the process is clearly recorded in the Registry



## 2. Work flow of the transaction registry



### ◆ Users of transaction registries

- CCER: Currently no limit (Administrator, project owners, emitters, other entities, financial institutions)
- Allowances: not decided yet

### ◆ Users of reporting system

- Administrator
- Emitters
- Verification body

### 3. Interconnection between registry system and other systems

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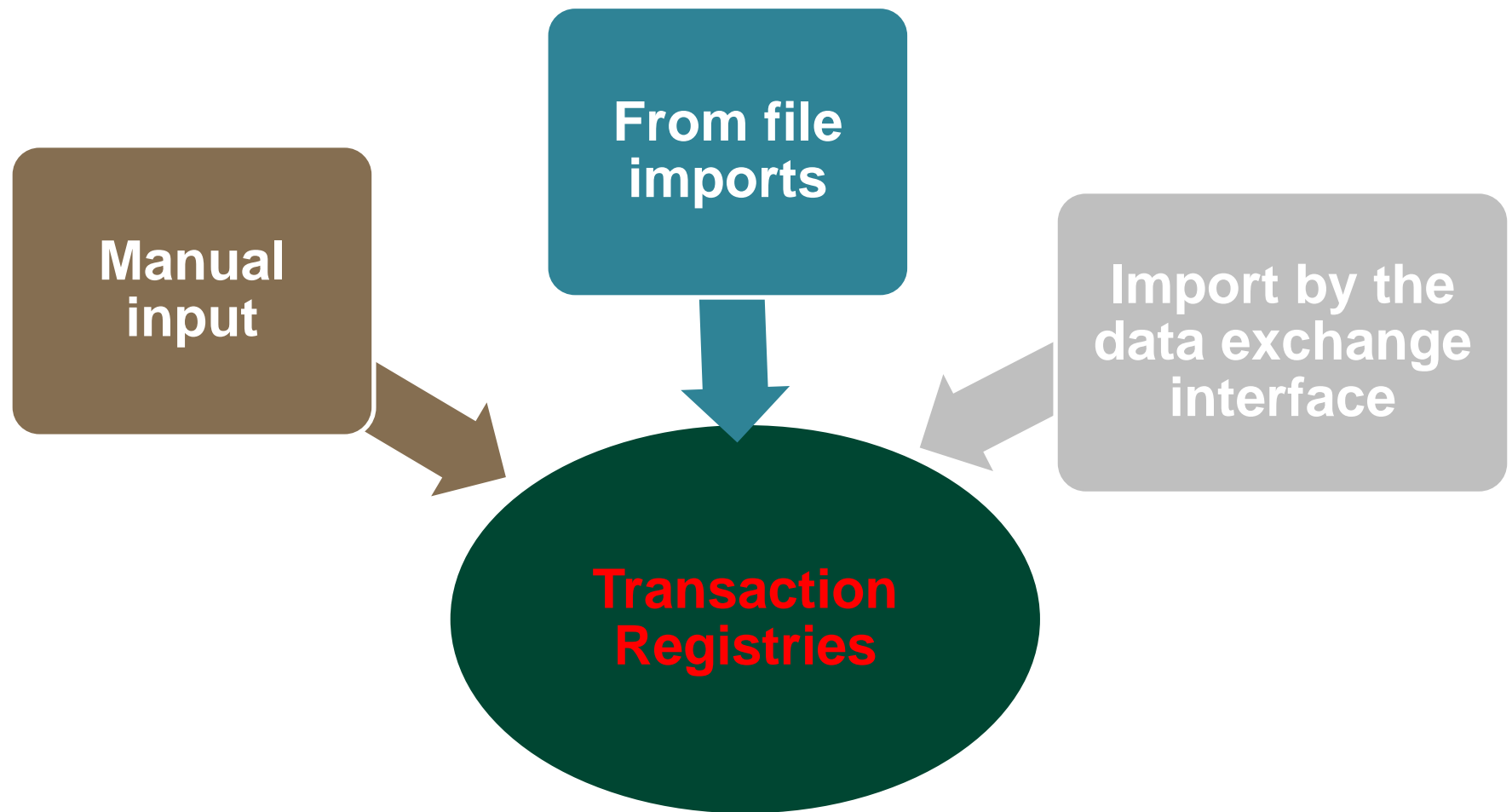


Registry system will input companies emission data by data exchange with reporting system ( or other ways ) through data exchange interface

Registry system will exchange data with trading system through data exchange interface

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### 3. Interaction between reporting system and Registries



- **Pilots:** Reporting system supplies data exchange interface for transaction registry to input companies emission data



#### What

#### **Emission data:**

Companies emission data verified by the third-party verifier and approved by the administrator



#### When

#### **Approval by the competent department:**

- Initial emission report submitted to the administrator (31<sup>st</sup>.March)
- Final emission and verification report submitted to the administrator (30<sup>th</sup>.April)
- Some pilots will review some verification report
- **After the approval by the administrator**



#### How

#### **Through the data exchange interface:**

Registry system obtains companies emission data from reporting system

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# Thank You

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