China's Practice of Tax Gap Analysis

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Why we do this

- Conducive to the establishment of a unified and standardized financial transfer payment system
- Conducive to the scientific establishment and effective implementation of the tax revenue budget
- Conducive to improving the quality and efficiency of tax collection
- Conducive to promoting the tax system reform

Why we do this (continued)

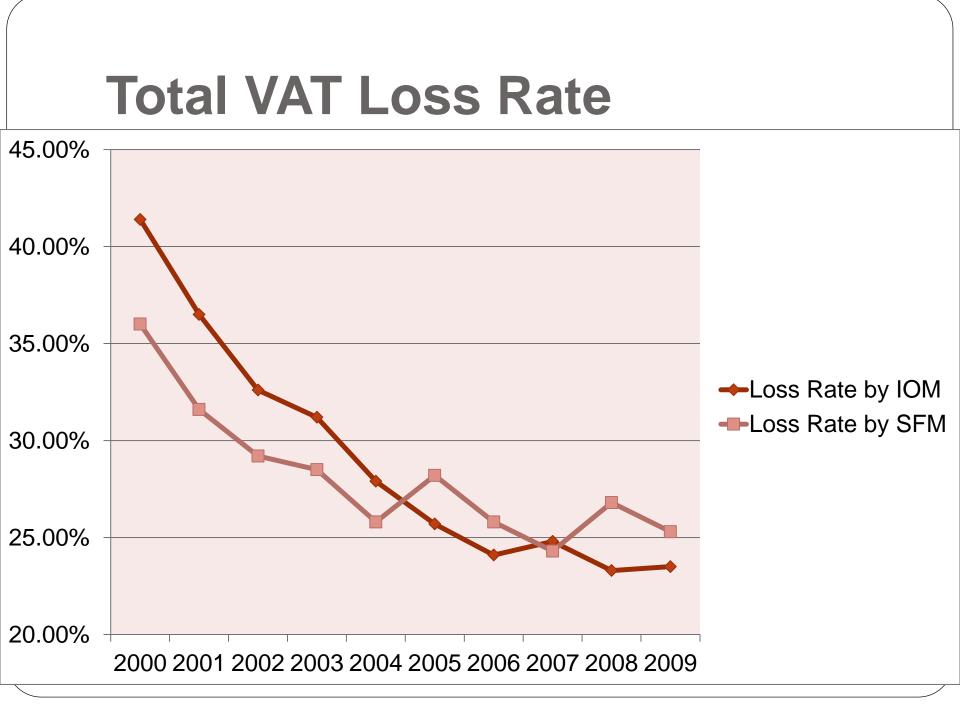
- Improve the revenue target management:
 - Objectively determined
 - Scientifically allocated
 - Reasonably adjusted
 - Accurately assessed

Tax Gap Analysis Approaches

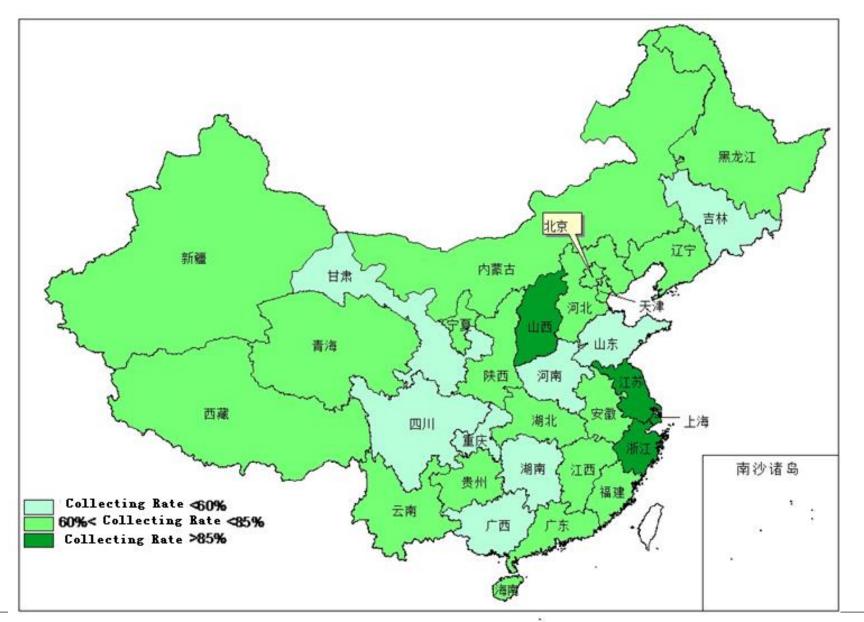
- Top-down Approach: Based on macroeconomic data, we use Input and Output Model(IOM) or Stochastic Frontier Model(SFM) to estimate the gap of indirect tax
- Bottom-up Approach: Based on micro-data, we use Microanalytic Simulation Model(MSM) to estimate the gap of direct tax

Top-down Approach

• we estimate the VAT gap, which is relatively simple. We complete whole country and 31 regions of the VAT erosion estimation.

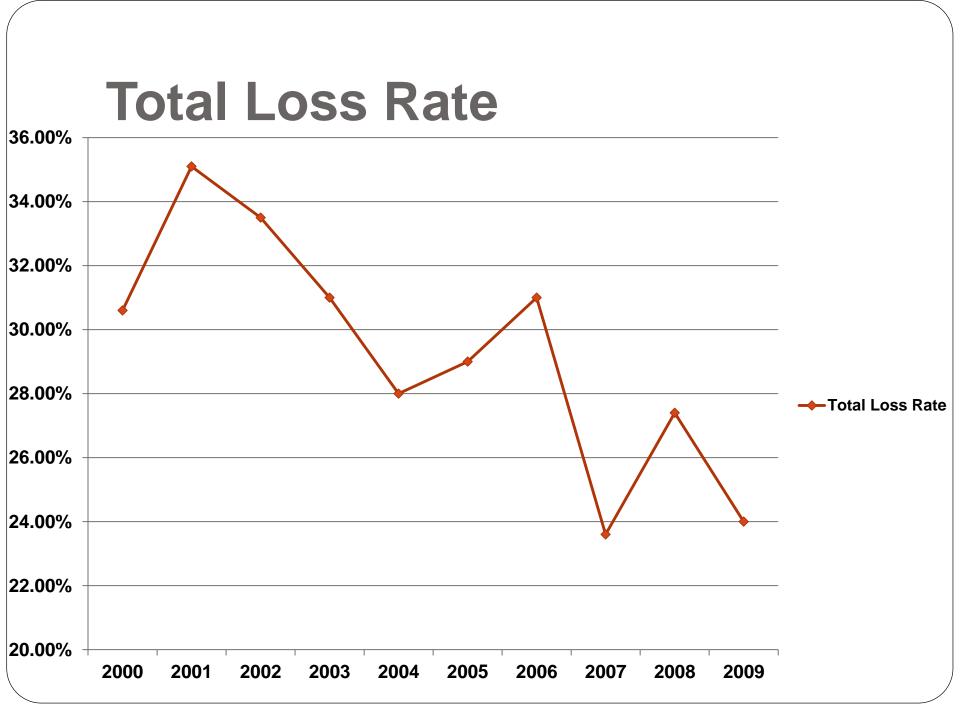


VAT Collecting Rate of 31 Regions



Top-down Approach (continued)

 Based on the experience of the VAT gap estimation, we use SFM to calculate the loss of total tax revenue



Bottom-up Approach

- We use microanalytic simulation model(MSM) to carry out the enterprise income tax loss estimation in some areas:
 - Random sampling
 - Audit
 - Statistical inference

Comparison

- Top-down approach
 - Advantages
 - data acquisition
 - more intuitive
 - Iess cost
 - Disadvantage
 - rely on national economic accounting and other macroeconomic data
 - the regional statistical standards are not entirely consistent
 - not suitable for more complex taxes

Comparison (continued)

- Bottom-up approach
 - Advantage
 - accurate estimation process
 - wide application range
 - reliable estimation results
 - Disadvantage
 - difficult to get micro-data
 - human factors exist in the audit process

•Thank you!