



# The asymmetry dilemma with Intrastat – which data is the better one? National experiences out of the ESS.VIP "REDESIGN of Intrastat"

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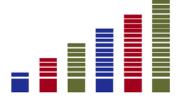
## ESS.VIP "REDESIGN of Intrastat" Background

#### Scope

- Modernisation of the Intrastat system
  - Reducing the burden for providers of statistical information
  - Maintaining a sound level of quality
- Basis of decision-making for future orientation of Intrastat (ESSC, May '16)

### **Aspects of analysis**

- Cost-benefit analysis of possible options to modernise Intrastat
- Potential of burden reduction
- Treatment of methodological and legal issues
- In Germany:
  - Simulation of different options to modernise Intrastat and
  - Consistency analysis of these options





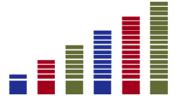
# ESS.VIP "REDESIGN of Intrastat" Simulated options in Germany

#### "SIMSTAT-DE"

- Reduction of coverage rate to 85% for imports
- Use of mirror microdata for the distribution structure of estimations

#### "Mixed Model"

- Alternative 1: Reduction of coverage rate to 85% for imports
- Alternative 2: Reduction of coverage rate to 90% for imports
- Use of mirror results for the distribution structure of estimations





# ESS.VIP "REDESIGN of Intrastat" The challenge of asymmetries

## The challenge of asymmetries: Why do asymmetries occur?

- Asymmetries not inherent in the system
  - → represent quality flaws
- Asymmetries inherent in the system: resulting from methodology
  - → reasonable grounds for existing: no quality flaws

#### Impact on simulation

- German EU-imports 1.8% (2013) lower than respective exports
- Broken down by partner country or commodity level
  → asymmetries may be even higher
- Asymmetries were not the tool for measuring quality BUT <u>consistency</u> regarding breaks in national time series

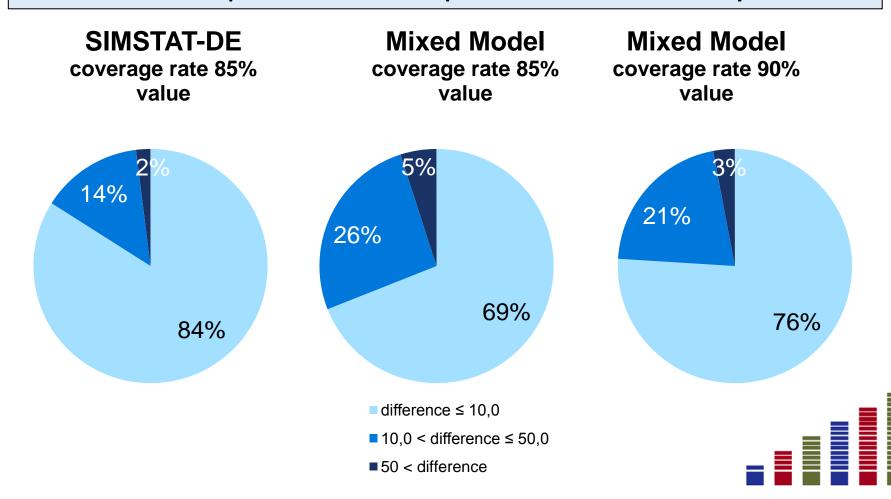




## ESS.VIP "REDESIGN of Intrastat"

## Consistency analysis on CN8-level - France

Percentage difference in value by commodity code CN8-level between nationally collected Intrastat imports and simulated options for France – reference year 2013

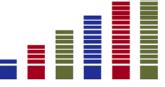




# ESS.VIP "REDESIGN of Intrastat" The asymmetry dilemma with Intrastat

#### **Conclusion**

- Results of the consistency analysis on CN8-level:
  - Best fit: SIMSTAT-DE
  - Reason: The match is performed on micro (enterprise) level
    - As a result asymmetries can be identified more precisely
    - Therefore asymmetries are better controlled/excluded
- Asymmetries are measured on (aggregated) commodity code level,
  but most of them result from the enterprise level
- Not possible to identify: Data source responsible for the asymmetries
- Inherent in the system and therefore reasonable: no quality flaws
  - Asymmetries were not the tool for measuring quality BUT consistency regarding breaks in national time series







Thank you very much for your attention!

