Data Processing Systems in International Organizations

The UNCTAD case

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Outline

1. **The UnctadStat Database**
   - Total merchandise trade (TMT)
   - Merchandise trade matrix (MTM)
2. **UNCTAD Statistical Information System – USIS**
3. **UNCTAD data processing - Logical Workflow**
4. **Future improvements and challenges**

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1. The UNCTADStat database https://unctadstat.unctad.org/

1.1. Unctad International trade in goods series

Total merchandise trade (TMT) series:

- A series with world of 218 economies compiled jointly with WTO
- Time series from 1948 to y-1
- Published in April and September

Merchandise trade matrix (MTM) series:

- A series with breakdown by reporter, trading partner and product group
  - 218 economies
  - 263 product groups (SITC Rev. 3, 3 digits)
- Time series from 1995 to y-1
- Published in June and October

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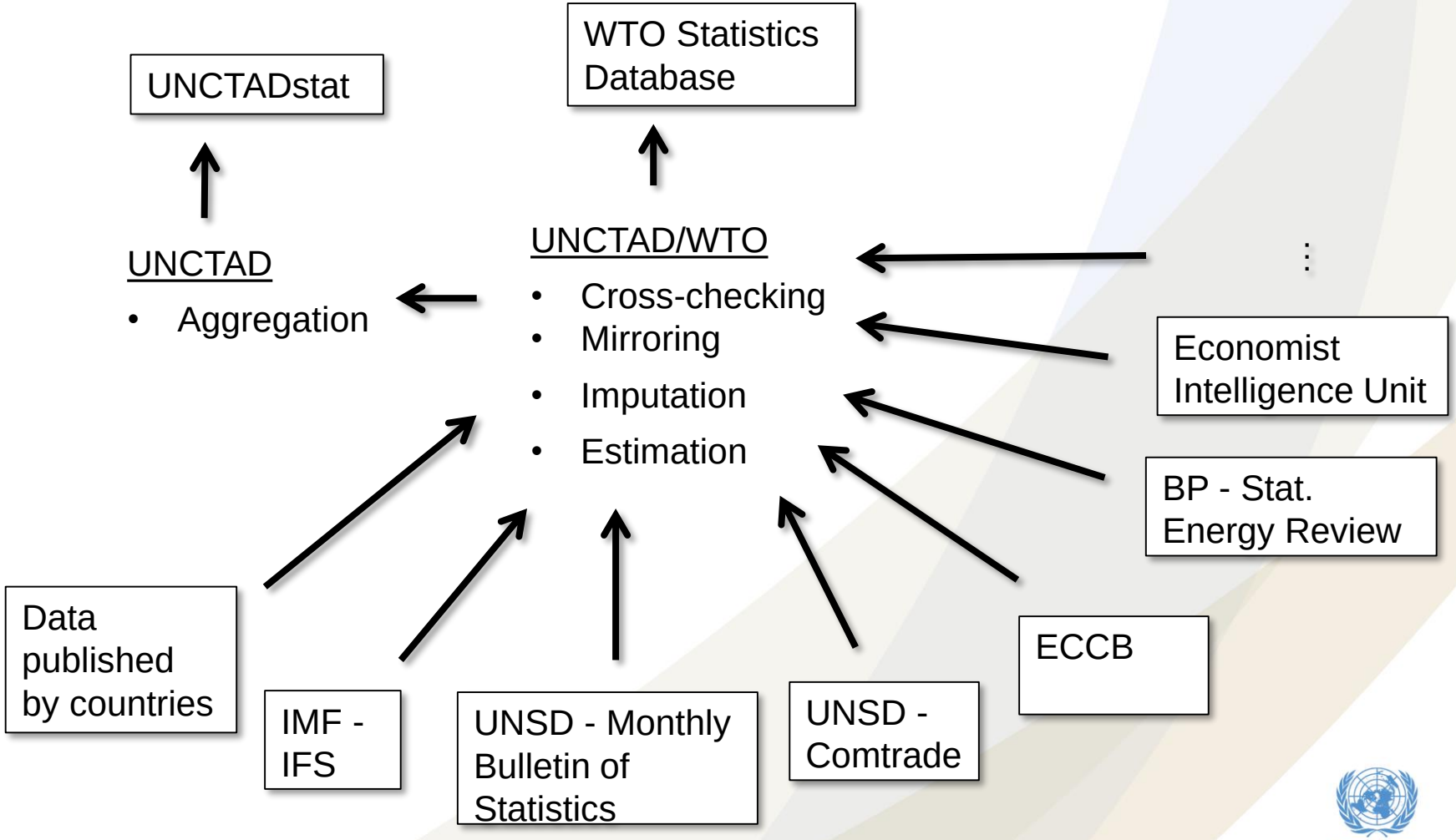
1.2. Main processing steps: TMT series



1.3. Main processing steps: MTM

UNCTADstat

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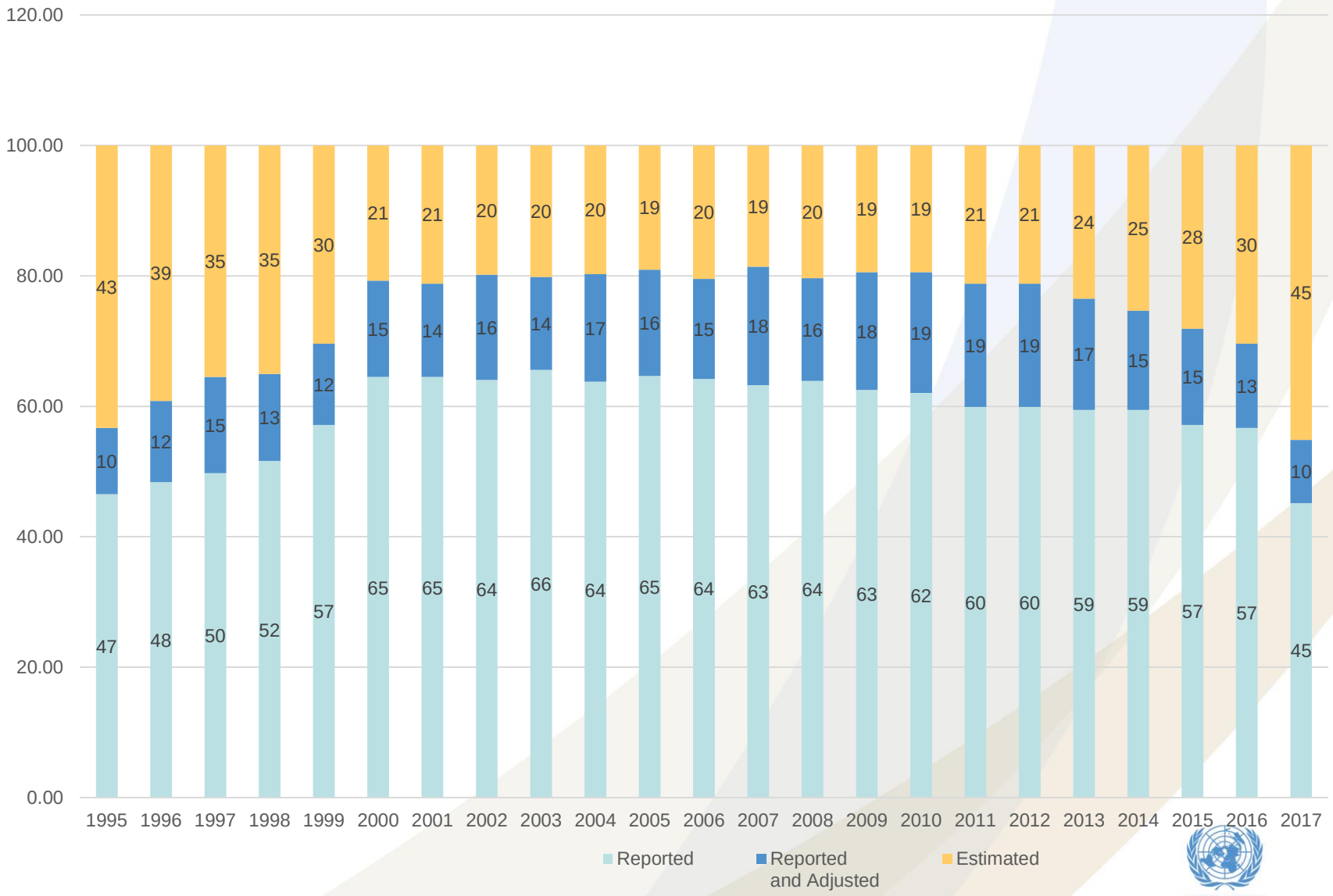
- Estimation of gaps
- Alignment of totals
- Aggregation

UNSD - Comtrade

WTO/UNCTAD - Total merchandise trade dataset

IMF – Direction of Trade Statistics

1.4. MTM: Datastatus, June 2018



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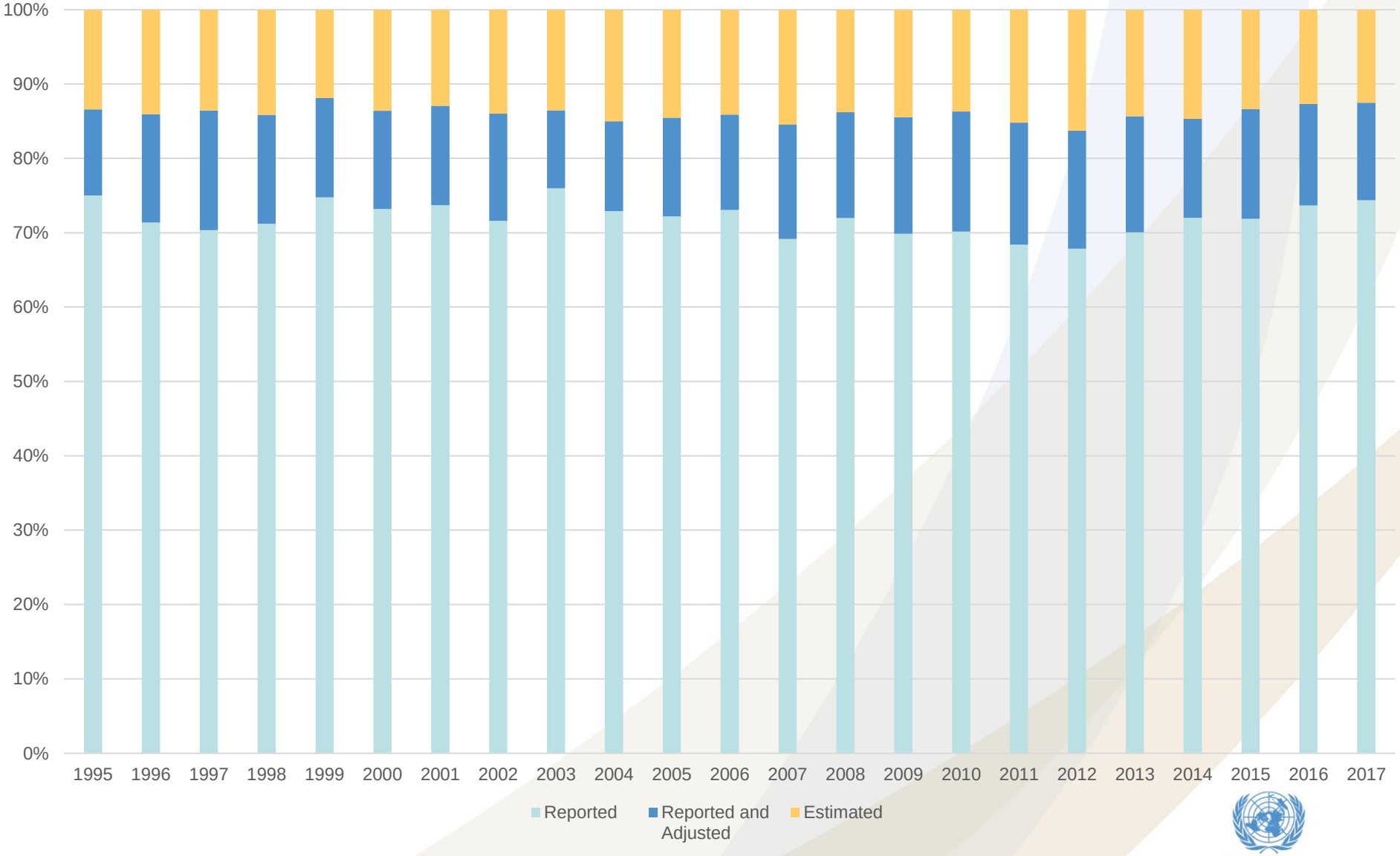
1.5. MTM: Datastatus, October 2018



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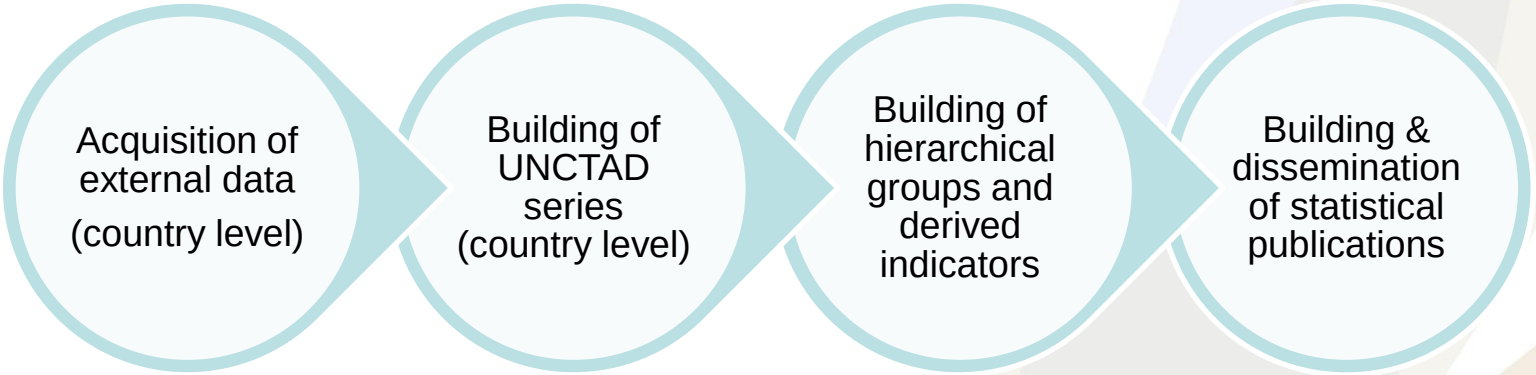
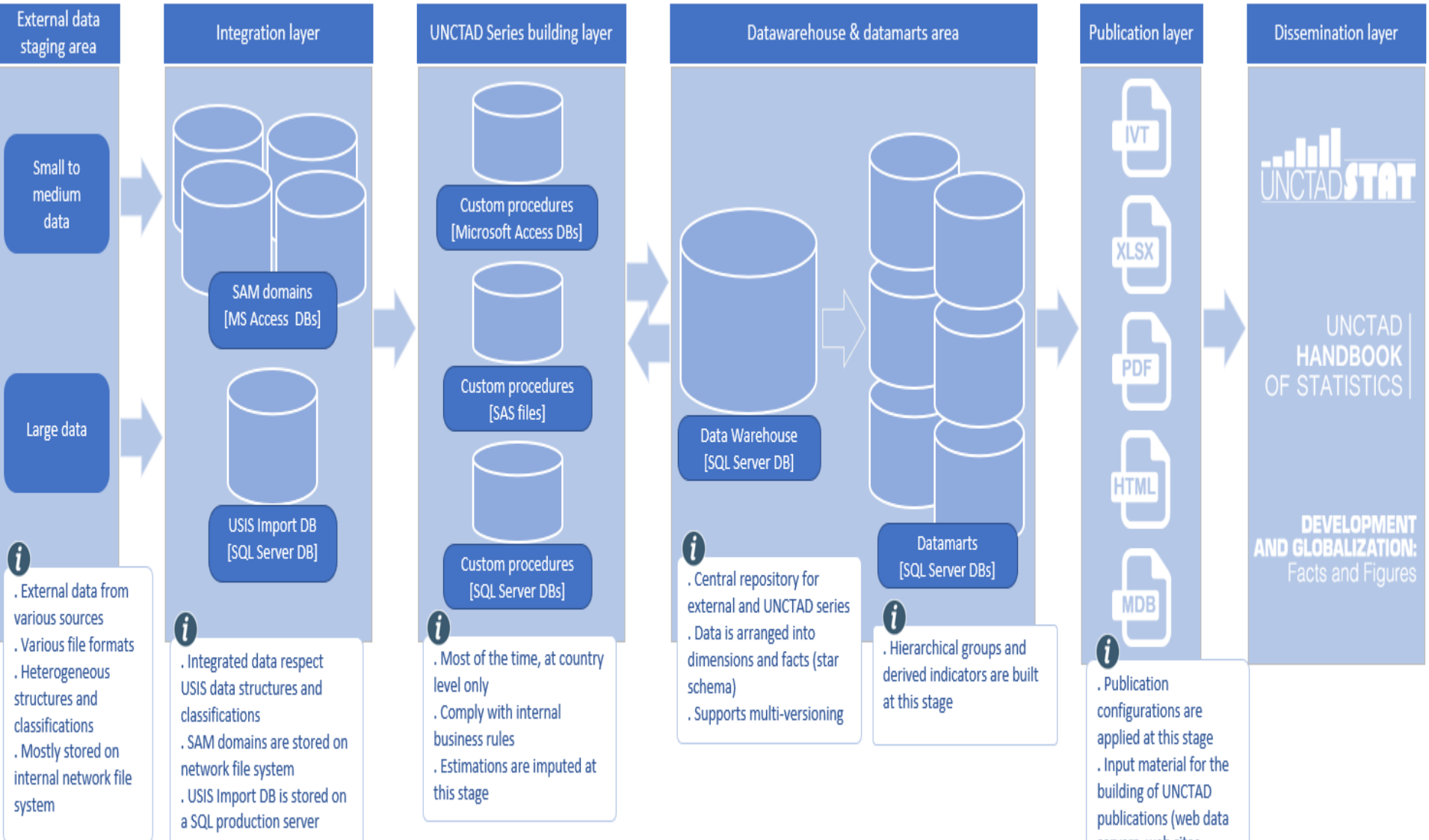
2. Unctad Statistical Information system - USIS



3. UNCTAD Statistical Information System - Logical Workflow



4. Challenges and Future improvements

Handling big size data

- MTM in HS
- Transition form paying (SAS) to open source (R) software

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