On-Demand Data Production
Leveraging ILO Harmonized Microdata Collection for Enhanced Analytical Outputs
Introduction to the service

► New On-Demand Service Initiated in 2019
► **ILOSTAT** a vast collection of country-level, regional and global indicators
  
  *still many other combinations possible*
► Uses the comprehensive ILO Harmonized Microdata collection
► Production of varied analytical outputs including data tabulations and cross-tabulations
► Initially available to ILO’s internal Departments and later expanded to other UN agencies and any institutions for labour-related analytical work
How does this service work?

- Operates on an R-based data production platform
- Capable of producing international databases rapidly from over 13,000 harmonized datasets
- Provides data encompassing around 100 variables included in the collection, which significantly broaden the number of potential indicators beyond ILOSTAT
- Rapid production: able to generate comparable international databases in a matter of hours
- Allows more time for data analysis than data processing

13’000+
Harmonized data sets as inputs

100+
Variables to be combined
An illustration of a typical data production request

- Let’s say you are interested in informal employment for **certain occupations in certain sectors**: 
- For instance:
  - The number of **informally** employed **cleaners and helpers** (ISCO-08 sub-major group 91) in the **food and beverage service activities** (ISIC Rev. 4 division 56), or…
  - The number of **informally** employed **personal care workers** (ISCO-08 sub-major group 53) in the **Residential care activities** (ISIC Rev. 4 division 87)

- Generate a request for informal employment by ISCO-08 sub-major groups (2 digits) and ISIC Rev.4 divisions (2 digits).
Contributions and accomplishments

- Since its inception, approximately 200 requests have been fulfilled
- 50 the last five months
- Averages 20 distinct tabulations per request, covering a wide range of labour-related topics
- The service’s data have been featured in renowned media outlets like The Economist and The Financial Times

Some of the beneficiaries of this service:

ILO’s Departments, FAO, OECD, UNCTAD, UNICEF, UN-Women, WHO, WB and other international organizations, and research institutions and universities

200+
Requests since 2019

20
Distinct tabulation on average per request
Continuously growing: data collections & services

- On-Request only: Now offering enriched data on Occupations (ISCO-08 at 3- or 4-digit level) and Sectors (ISIC Rev. 4 at 3- or 4-digit level), diving deep into detailed classifications.
- Catering to the growing need for precise, localised, and global estimates across varied sectors and occupations.
- Development of new estimation techniques, even for regions with sparse data.
- Offering clearer and deeper insights into the diverse world of work.
Enhancing data quality and methodological development

- The reviews post data production accelerate the detection of outliers and data quality issues.
- Facilitates improved standardization across the ILO Harmonized Microdata collection and ILOSTAT.
- Supports and informs the development of new methods on various topics like labour migration, informality, apprenticeships, skills mismatches, and the care economy.
- Aids in understanding the impacts on estimates due to the adoption of the 19th and 20th ICLS standards.
Thank you for your attention

Any Question?

Please contact ilostat@ilo.org