



International Comparison Program  
for Asia and the Pacific 2021

# Asia and the Pacific Regional Updates

## Meeting of the Inter-Agency Coordination Group

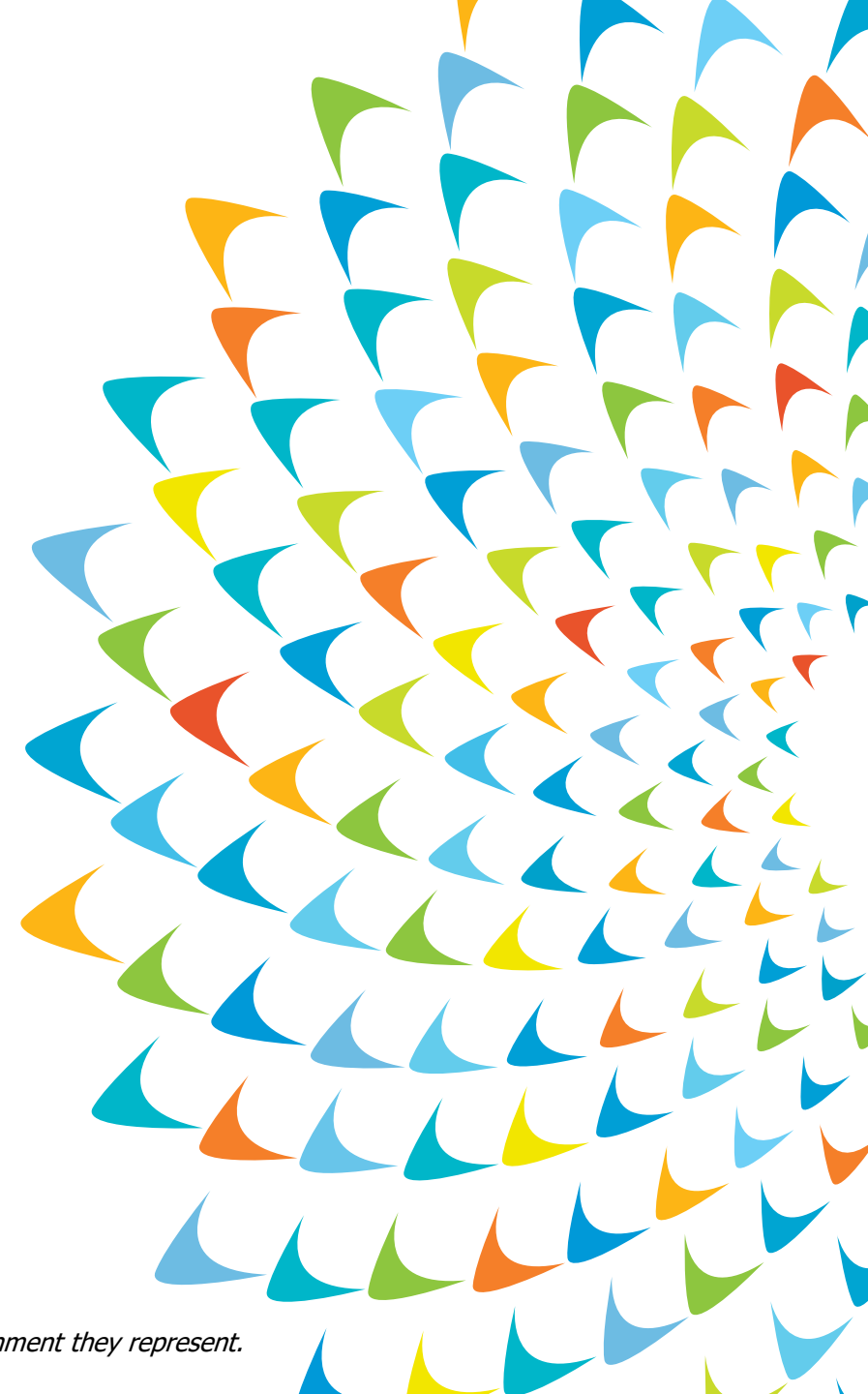
24 to 28 October 2022

World Bank Headquarters,  
Washington DC

**Asian Development Bank**

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# **2021 ICP Cycle: Participating Economies and Survey Implementation Status**



# Economy Participation in the 2021 ICP

- **Twenty-one economies** are participating in the 2021 ICP cycle.

Bangladesh	Bhutan	Brunei Darussalam	Cambodia	China, People's Rep. of	Fiji
Hong Kong, China	India	Indonesia	Lao PDR	Malaysia	Maldives
Mongolia	Nepal	Pakistan	Philippines	Singapore	Sri Lanka
Taipei, China	Thailand	Viet Nam			

- Lao PDR, India, and Pakistan have initiated survey activities in 2022.
- ADB provides limited financial support under its Technical Assistance program to eligible economies for implementing economy level activities and data collection.



# ICP 2021 Survey Schedule

Survey/Activities	2021				2022				2023			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Household Consumption <sup>1</sup>												
Machinery and Equipment <sup>2</sup>												
Construction <sup>2</sup>												
Government Compensation <sup>3</sup>												
Housing Rental <sup>4</sup>												
Housing Volume												
GDP Expenditures and Deflator Compilation												
Other Data Submissions <sup>5</sup>												
Publication of results <sup>6</sup>												

GDP = Gross Domestic Product., Q = Quarter.

1 Price collection has been extended until December 2022 to cover a 12-month cycle.

2 One-time price collection - preferably in June-July 2021 for Construction (CNS) and Q3 2021 for Machinery and Equipment (MEQ). Has been extended until Q4 2022 for some economies which were not able to start price collection in 2021..

3 Government Compensation - Based on administrative data with 2021 as reference year.

4 Preferably two-time price collection in June and December 2021 for annual rent collection. Has been extended until Q4 2022 for economies which were not able to start price collection in 2021.

5 Refers to Consumer Price Indices, Population, and Exchange Rates.

6 Publication of 2021 ICP Results in Q4 2023 will be subject to the assessment of progress made in economies and on account of the delays in implementing price surveys in some economies due to by COVID-19 and/or and other challenges.

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# Survey Status – Household Consumption [1]

## Price Collection

- Price surveys started in Q1 2021 and were completed by Q4 2021 in 13 economies and by Q2 2022 in 18 economies.
- Delayed start mainly due to Covid-19 in other economies - surveys extended up to December 2022 to allow flexibility.
- Price collection is ongoing in India and the Lao PDR until Q4 2022.
- Pakistan surveys have not yet been initiated.
- Back casting/extrapolation of prices to the reference year 2021 is ongoing.

NIA	2021				2022			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
BAN								
BHU								
BRU								
CAM								
FIJ								
HKG								
IND								
INO								
LAO								
MAL								
MLD								
MON								
NEP								
PAK								
PHI								
PRC								
SIN								
SRI								
TAP								
THA								
VIE								



# Survey Status – Household Consumption [2]

## Data Submission and Validation

- Q1-Q4 2021 household items price data have been received on a quarterly basis for 18 economies – with 17 economies with full 4-quarter data submitted by mid-October 2021.
- Lao PDR has only submitted prices for about 200 items from the CPI item list mapped to have matching specifications as ICP. Non-ICP survey being undertaken from Q1-Q4 2022 was also impacted by the COVID-19 restrictions.
- No price data received from India and Pakistan so far.
- Intra-economy price data validations undertaken regularly, and four regional inter-economy data validation workshops conducted in July 2021, October 2021, February 2022, and October 2022.



# Survey Status – GFCF: Construction (CNS)

## Price Collection

- Data collection, with reference year 2021, conducted during Q2-Q4 2021 in 18 economies.
- IND, LAO, and PAK surveys were expected during Q2-Q4 2022.

## Data Submission and Validation

- Two regional workshops (November 2021 and May 2022) discussed inter-economy data validations and postworkshop reviews ongoing.
- Relevance indicators and resource mix data discussed in May 2022 regional workshop for 18 economies.



# Survey Status – GFCF: Machinery & Equipment (MEQ)

## Price Collection

- Data collection, with reference year 2021, conducted during Q3-Q4 2021 in 17 economies – with one economy (BHU) conducted in Q1-Q2 2022 but with reference year 2021.
- IND, LAO, and PAK surveys expected in Q2-Q4 2022.

## Data Submission and Validation

- Two regional workshops (December 2021 and June 2022) for the inter-economy price data validation of MEQ items conducted; postworkshop data reviews ongoing.





# Survey Status - Housing Rental (REN)

## Price Collection

- Surveys for Housing Rental implemented in Q2 2021-Q1 2022 and extended until Q4 2022 for IND, LAO, PAK.
- Survey was conducted in IND Q2-Q3 2022<sup>1</sup> and expected in Q4 2022 for LAO. PAK's REN surveys status is not clear.

## Data Submission and Validation

- Two inter-economy regional data validation workshops conducted for 10 economies in November 2021 and for 17 economies in May 2022; postworkshop data reviews ongoing.

<sup>1</sup> Based on the information given during the Housing Rental (REN) workshop discussion in May 2022.



# Housing Volume (HOV)

## Data Submission

- So far 18 economies have submitted data on various HOV indicators.
- Data collected for both 2017 and 2021 years.
- Not submitted – BHU, LAO, and IND.
- One regional workshop in September 2022 reviewed HOV data available for 17 economies and discussed data sources, addressed issues identified and reviewed preliminary results.



# Government Compensation (GOV)

## Government Compensation

- Surveys conducted during Q1-Q2 2022 in most economies.
- Data received so far from 17 economies. No data yet submitted by IND, LAO, and BHU.
- First inter-economy data validation for government compensation for 18 economies was conducted in September 2022.



# Gross Domestic Product Expenditures (GDP)

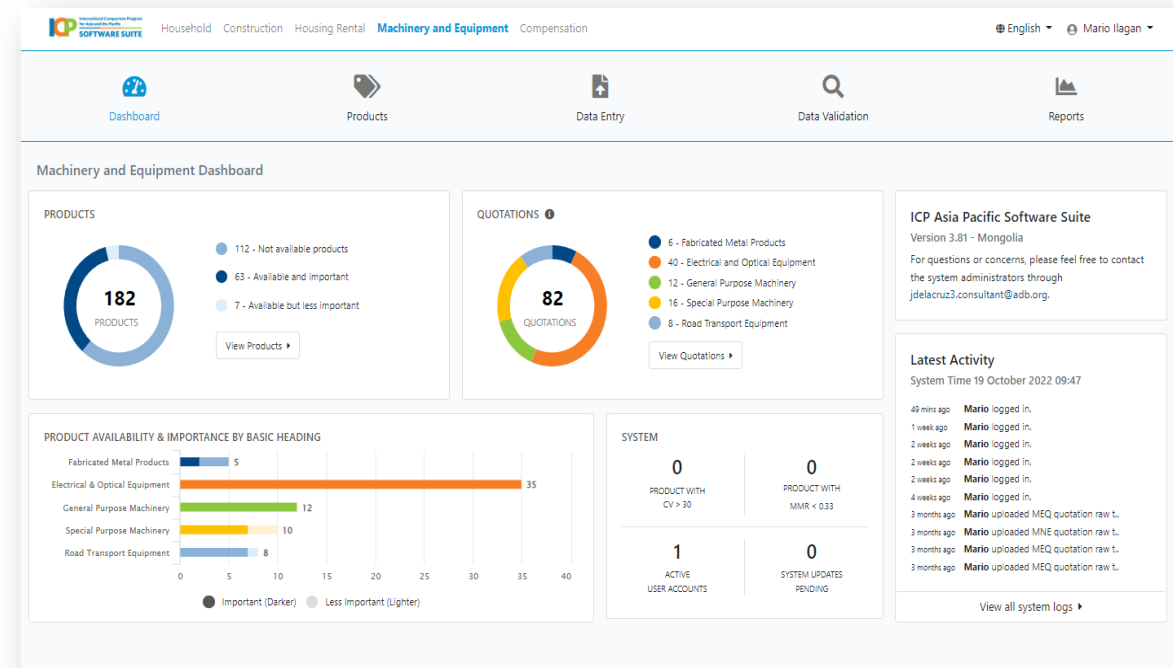
- First regional workshop on gross domestic product (GDP) expenditure discussions was held on 23-24 March 2022.
- First GDP expenditures submission 2017-2021 in March 2022 with 16 economies GDP series submitted until 2020; and 8 economies with GDP data until 2021; another one with data until 2019.
- Submission range from BH level to only main aggregates.
- IND, LAO, MLD, and the PRC<sup>1</sup>, are yet to submit any GDP expenditures.
- Submissions are being reviewed and next submission will be requested by end December 2022.

<sup>1</sup> PRC is working on the revisions for 2017 and 2021 BH level disaggregation and will submit early 2023.



# ICP Data Management Tools [1]

- Enhanced the **ICP Asia Pacific Software Suite** - integrated application for data management for ICP surveys for use by National Implementing Agencies.
- Now integrates data management of ICP surveys of HHC, MEQ, CNS, REN, and GOV.
- Future developments aim for an online version.





# ICP Data Management Tools [2]

- **CAPI-ICP tool for household price collection**
  - Demand from economies for a CAPI application.
  - Master CAPI Application developed in CSPro.
  - Customized for Pilot testing - first in Viet Nam, followed by Fiji, and Mongolia.
  - Next phase to focus on data export to ICP-APSS for consolidation and intra-economy validation.
  - Expected for adoption in 2024 ICP price collection by interested economies.





# ICP Data Management Tools [3]

- **Tool for extrapolation/back casting of prices**
  - Excel based application
  - Requires detailed information on CPIs to be used as extrapolators by national and/or geographical locations
  - Will be used by nearly half of the economies for back casting/extrapolation of prices



# 2021 ICP Cycle: Workshops and Meetings





# ICP 2021: Regional Workshops/Meetings [1]

- **Nineteen (Virtual) regional workshops since December 2020 (Appendix)**
- **Four Regional Workshops since June 2022 (last IACG)**

Regional/Other Workshop	Objective
<b>Sixteenth Regional Workshop (virtual)</b> , 28 - 30 June 2022 [# of participants: 84]	Inter-economy data validation of <b>machinery &amp; equipment</b> prices
<b>Seventeenth Regional Workshop (virtual)</b> , 27 September 2022 [# of participants: 66]	Inter-economy data validation of <b>housing volume</b> indicators
<b>Eighteenth Regional Workshop (virtual)</b> , 29 September 2022 [# of participants: 70]	Inter-economy data validation of <b>government compensation</b> data
<b>Nineteenth Regional Workshop (virtual)</b> , 18 - 20 October 2022 [# of participants: 80]	Inter-economy data validation of <b>household consumption</b> prices



# ICP 2021: Regional Workshops/ Meetings [2]

- **Regional data validation workshops** for Household Consumption (HHC), Machinery and Equipment (MEQ), Construction (CNS), Government Compensation (GOV), Housing Rental (REN), Housing Volume (HOV), and GDP expenditures one more round of regional validations are expected until around July/August 2023 (tentative).
- **Bilateral meetings and in-country missions** will be conducted on need basis. Upcoming mission in Lao PDR in November 2022.
- **Regional workshops on review of preliminary and final PPPs/expenditures** – with expert group, and NIAs Q2-Q4 2023. (Tentative)
- **Dissemination of 2021 ICP results/reports** early 2024 (Tentative)



# **2021 ICP Cycle: Risks, Mitigation, Outreach Activities and Announcements**



# Risks and Challenges [1]

- **COVID-19 restrictions** continued to impact the field operations in varying degrees in different economies over four quarters in 2021.
- **Delayed commencement and disruptions of surveys** in many economies leading to different data collection period during 2021-2022 with survey period extended up to end of 2022.
- Mobility restrictions resulted in **reduced geographical coverage**, fewer items/price quotations in some, while in a few others who adopted online methods, led to increased number of items and quotations over 2017 ICP.
- **Financial and Human resource constraints** – general budget cuts, cumbersome administrative procedures to receive ADB grants, turnover of trained ICP staff have also affected progress in some.
- **Competing statistical priorities** –population census; post enumeration census activities, or other major surveys in 2021 and 2022, especially for economies with limited manpower for data collection.



# Risks and Challenges [2]

- **Conduct of virtual meetings/workshops**
  - **Virtual meetings** have played a significant role in regional activities keeping connected with the NIAs, but **fatigue from virtual** has set in over time.
  - **Unstable internet connection** in some economies affects active participation and concentration especially for data validation workshops.
  - **Full time attendance** could not be achieved due to simultaneous attending of NIA's equally important official matters.
  - Moving to **face-to-face** meetings from 2023.

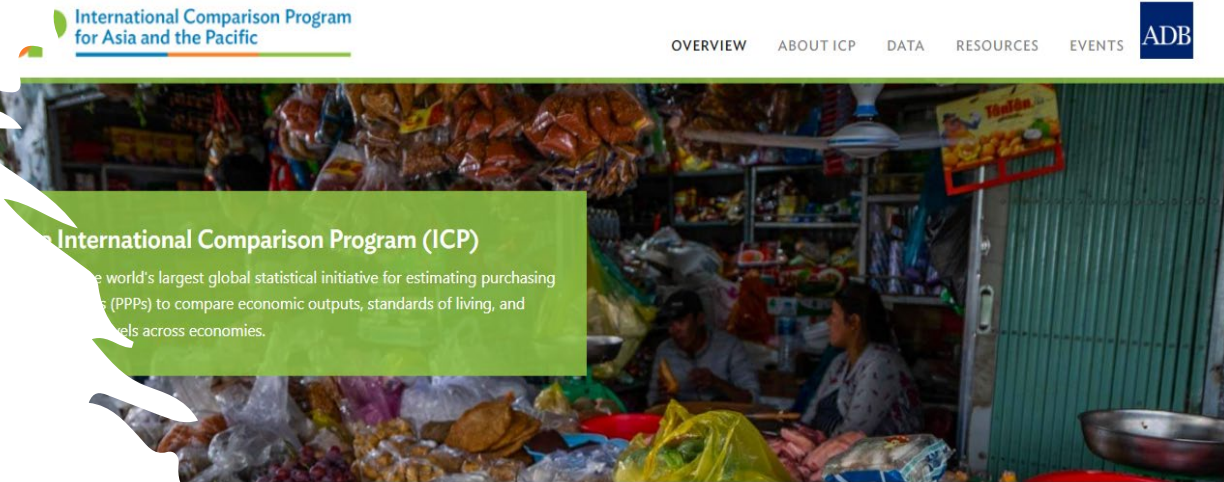


# Risks and Challenges [3]

- **Lagging Economies with Surveys in 2022**
  - **India** – Surveys are in progress but no data submission yet.
  - **Lao PDR** – HHC surveys in progress, others expected in Q4 2022. A mission is planned in November 2022.
  - **Pakistan** – Field surveys not started but data submitted for GOV (partial), HOV, and GDP expenditures. Plans being put in place to make up for other surveys.
  - **Bhutan** – GOV and HOV. To further discuss the new development/setup of NSB Bhutan.
- **Challenges remain** and plans being discussed for ensuring full participation.

# Outreach Activities

- Updated the **ICP microsite** **icp.adb.org** in October 2022 for events, publications, and a new page for implementing agencies information.
- Singapore Department of Statistics published a newsletter which highlighted national implementation of the ICP 2021 cycle.
- **Key Indicators for Asia and the Pacific 2023** – one section on ICP implementation and highlighting contribution of countries is planned.



## The International Comparison Program: An Overview and the Latest Results

by Wendy Low, Economics Accounts Division  
and Sarah Ng, Prices Division  
Singapore Department of Statistics



# Thank You!

<https://icp.adb.org>

<https://www.adb.org/what-we-do/data/economic-data/icp>





# Appendix – List of Events (Regional workshops)



# ICP 2021: Regional Workshops/Meetings [1]

## Nineteen Regional Workshops (Virtual) since December 2020

Regional/Other Workshop	Objective
<b>First Regional Workshop (virtual),</b> 1 to 3 December 2020 [# of participants: 121]	<b>Household consumption survey:</b> Pre-survey preparations, product list, operational guidelines, and sharing economy experiences on CPI collection during COVID-19
<b>Second Regional Workshop (virtual),</b> 7 to 8 April 2021 [# of participants:108]	<b>Construction survey:</b> Methodology, product list, data requirements, operational guidelines, and survey tools.
<b>Third Regional Workshop (virtual),</b> 21 to 22 April 2021 [# of participants:101]	<b>Household consumption survey:</b> Data validation methods, and ICP APSS tool <b>Housing rental survey:</b> Housing methodology, product list, and operational guidelines.
<b>Fourth Regional Workshop (virtual),</b> 22, 23, and 25 June 2021 [# of participants: 110]	<b>Machinery and equipment survey:</b> Product list, data requirements, operational guidelines, and survey tools.



# ICP 2021: Regional Workshops/Meetings [2]

Regional/Other Workshop	Objective
<p><b>Fifth Regional Workshop (virtual),</b> 6 to 8 July 2021 [# of participants: 120]</p>	<p><b>Household consumption survey:</b> Inter-economy validation of Q1 2021 household consumption items prices.</p>
<p><b>Sixth Regional Workshop (virtual),</b> 25,26, and 28 October 2021 [# of participants: 102]</p>	<p><b>Household consumption survey:</b> Inter-economy validation of revised Q1 and fresh Q2 2021 household consumption items prices.</p>
<p><b>Seventh Regional Workshop (virtual),</b> 16-17 November 2021 [# of participants: 92]</p>	<p><b>Housing rental survey:</b> Inter-economy validation of housing rental data <b>Housing volume survey:</b> Housing volume methodology, concepts, data sources, and tools.</p>
<p><b>Eighth Regional Workshop (virtual),</b> 24-25 November 2021 [# of participants: 80]</p>	<p><b>Construction survey:</b> Inter-economy validation of prices of construction inputs.</p>



# ICP 2021: Regional Workshops/Meetings [3]

Regional/Other Workshop	Objective
<b>Ninth Regional Workshop (virtual),</b> 13-15 December 2021, [# of participants: 90]	<b>Machinery and equipment survey:</b> Inter-economy validation of price data of MEQ items.
<b>Tenth Regional Workshop (virtual),</b> 22-24 February 2022, [# of participants: 110]	<b>Household consumption survey:</b> Inter-economy validation of revised Q1-Q2 and fresh Q3 2021 household consumption items prices.
<b>Eleventh Regional Workshop (virtual),</b> 10 March 2022, [# of participants: 120]	<b>Government compensation survey:</b> Concepts, product list, data requirements, operational guidelines, and survey tools.
<b>Twelfth Regional Workshop (virtual),</b> 23-24 March 2022 [# of participants:115]	<b>National Accounts and GDP Expenditures:</b> ICP and national accounts framework, GDP expenditures splitting, and ICP COVID-19 Guidance Note on National Accounts Expenditures Data.



# ICP 2021: Regional Workshops/Meetings [4]

Regional/Other Workshop	Objective
<b>Thirteenth Regional Workshop (virtual),</b> 10 May 2022 [# of participants: 77]	<b>Housing rental survey:</b> Status of surveys and Inter-economy validation for housing rental data.
<b>Fourteenth Regional Workshop (virtual),</b> 12 May 2022 [# of participants: 71]	<b>Housing volume survey:</b> Status of data submission and Intra-economy validation of housing volume indicators.
<b>Fifteenth Regional Workshop (virtual),</b> 24-25 May 2022 [# of participants: 85]	<b>Construction survey:</b> Status of surveys and Inter-economy validation of construction items price data.



# ICP 2021: Regional Workshops/Meetings [5]

Regional/Other Workshop	Objective
<b>Sixteenth Regional Workshop (virtual)</b> , 28 - 30 June 2022 [# of participants: 84]	Inter-economy data validation of machinery & equipment prices
<b>Seventeenth Regional Workshop (virtual)</b> , 27 September 2022 [# of participants: 66]	Inter-economy data validation of housing volume data
<b>Eighteenth Regional Workshop (virtual)</b> , 29 September 2022 [# of participants: 70]	Inter-economy data validation of <b>government compensation data</b>
<b>Nineteenth Regional Workshop (virtual)</b> , 18 - 20 June 2022 [# of participants: 80]	Inter-economy data validation of <b>household consumption prices</b>



# Other Workshops/Meetings [1]

Regional/Other Workshop	Objective
<p><b>Country workshop with Fiji Bureau of Statistics (virtual)</b>, 12 to 15 April 2021, [# of participants:16]</p>	<p><b>Household survey:</b> Pre-survey preparations, product list, operational guidelines,  <b>Construction survey:</b> Product list, data requirements, operational guidelines and tools.</p>
<p><b>Workshop with Brunei Darussalam, Fiji, and Malaysia (virtual)</b>, 4 to 5 May 2021, [# of participants: 33]</p>	<p><b>Household consumption survey:</b> Data validation methods, and ICP APSS tool  <b>Housing rental survey:</b> Housing methodology, product list, and operational guidelines.</p>



## Other Workshops/Meetings [2]

Regional/Other Workshop	Objective
<p><b>Country workshop with Ministry of Ministry of Statistics and Programme Implementation (virtual),</b> 28-29 December 2021, [# of participants:27]</p>	<p><b>2021 ICP surveys:</b> Product lists, ICP data requirements, ICP APSS, timelines and other survey related matters.</p>
<p><b>Online Workshop with LSB on National Accounts Framework and Data Requirements (virtual),</b> 1 July 2022 [# of participants: 13]</p>	<p>Discussion of the national accounts framework and ICP expenditure classification; GDP splitting; NA expenditures during the pandemic</p>