

# **DATA REVIEW: GDP EXPENDITURES**

**6<sup>th</sup> Meeting of the ICP Inter-Agency Coordination Group  
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# Outline

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- **Data Comparisons with Data from International Organizations**
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# Data Requirement and Submissions

## DATA REQUIREMENT FOR TIME SERIES EXPENDITURES

- GDP and its breakdown following expenditure approach
- SNA 2008 (/1993)
- Calendar year data
- In currency unit consistent with ICP price data
- Minimum required level: GDP, Main Aggregates, and HHC and GFCF Categories
- Basic Heading level structure where available

## STATUS OF SUBMISSIONS

- All six regions (AFR, ASI, CIS, EUO, LAC, WAS) have reported or provided updated extrapolation data
- Some regions submit data only for sub-set of their countries

AFR	ASI	CIS	EUO	LAC	WAS
Aug. 2018	Mar. 2018	Jul. 2018	Aug. 2018	Aug. 2018	Aug. 2018

# Data Availability: Gross Domestic Products

<b>Region</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
AFR [50]	46	46	46	45	39	22	7
ASI [22]	18	18	18	18	19	22	0
CIS [8]	8	8	8	8	8	8	8
EUO [50]	48	50	50	50	50	50	44
LA [14]	14	14	14	14	14	14	13
CAR [23]	21	21	21	20	19	18	8
WAS [13]	12	12	12	12	12	12	7

# Data Availability: Main Aggregates

# of Complete Country Submissions

<b>Region</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
AFR [50]	42	42	42	41	34	18	5
ASI [22]	14	14	14	14	14	17	0
CIS [8]	8	8	8	8	8	8	7
EUO [50]	44	47	48	50	49	47	34
LA [14]	12	12	12	12	12	11	10
CAR [23]	6	5	6	5	5	5	2
WAS [13]	12	12	12	12	12	12	3

# Data Availability: HHC Categories

# of Complete Country Submissions

<b>Region</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
AFR [50]	38	38	38	38	32	15	3
ASI [22]	11	11	11	11	12	20	0
CIS [8]	6	3	2	8	2	2	0
EUO [50]	46	48	48	50	50	49	11
LA [14]	0	0	0	0	0	0	0
CAR [23]	0	0	0	0	0	0	0
WAS [13]	12	12	12	12	12	12	2

# Full Classification Submission

<b>Region</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
AFR [50]	50	-	-	-	-	-	-
ASI [22]	23	-	-	-	-	20	-
CIS [8]	9	-	-	8	-	-	-
EUO [50]	47	-	-	47	47	47	-
LA [14]	17	-	-	-	-	-	-
CAR [23]	22	-	-	-	-	-	-
WAS [14*]	12	12	12	12	12	12	1*

\*Including Iran

# Reporting, Coverage and Quality Issues

## OBSERVED ISSUES

- Scale of unit inconsistent or reported incorrectly
- Statistical discrepancy reported
- Fiscal year data reported
- Different currencies used for different indicators
- Data reported using a non-ICP classification
- Different data in submission for benchmark and time series
- Sparse coverage of detailed levels in time-series data
- Lower aggregates not adding up to higher aggregates



# NPISH Allocation

## NPISH ALLOCATION (FOR 2011-16 DATA)

- Allocation of NPISH differs region by region (or possibly country by country due to asymmetrical data availability).
- If a country/region had not allocated their NPISH, GIU will allocate NPISH to 10 basic headings under HHC (under the 4 categories of housing, health, recreation and culture and education) proportionate to the size of the headings under HHC, following recommendation from the 2011 ICP Computation Task Force

# Reporting Format

## DATA SUBMISSION FORMAT

- Expenditures have different places for reporting – submission format would need to be updated
- It is recommended to submit extrapolation data in the submission format to avoid data processing errors
- It is recommended to do adjustments (such as fiscal year adjustment, NPISH allocation, or expenditure structure application to higher level) at regional level before submission, to minimize adjustments at GIU

# Data Comparisons with Other Databases

## DATA COMPARISONS

- To identify any potential issues with the input data to ensure data quality
- To better understand differences between databases
- With NO short-term objective of harmonizing the data

## DATA SOURCES

- Primary Data: ICP Regional Implementing Agency (RIA) submissions
- Secondary Data for comparison purposes:
  - World Bank: World Development Indicators (WDI)
  - United Nations Statistics Division (UNSD): National Accounts Official Country Data
  - International Monetary Fund (IMF): International Financial Statistics (IFS)
  - IMF: World Economic Outlook (WEO)
- Timing/frequency of updates differs database by database

# Data Comparisons – Examples (2013 data)

Local Currency Unit, in billions

Country name	ICP RIA	WDI	UNSD	WEO	IFS	CV	Notes
Belarus	670,689	67.1	670,689	67.1	67.1	122.44	ICP RIA and UNSD: Reported in the previous currency for time series
West Bank and Gaza	45.0	12.5	12.5		12.5	68.39	Reported in Shekel for ICP to be in line with price data, but in USD for other databases.
Comoros	229.2	229.2	466.8	243.6	243.6	32.70	Recent National Accounts revision
Liberia	1.9	1.9		3.1	2.0	21.75	Two series are officially published
Paraguay	166,715	125,152	125,152	125,152	125,152	12.46	GIU will contact with RIA for confirmation
Bahamas, The	10.5	10.6	8.5	10.7	8.5	10.47	
Maldives		50.6	41.6	50.6	50.6	8.10	Recent National Accounts revision
Nepal	1695.0/ 1,964.5	1,695.0	1,695.0	1,695.0	1,695.0	6.16	Fiscal year data submitted
Iraq	241,506	273,600	241,506	273,587	273,587	6.03	
El Salvador	22.0	22.0	24.4	24.4	24.4	4.97	Series different (UNSD&IMF under SNA08; ICP seems under SNA93)
Sudan (AFR)	304.1	342.8	304.0	331.8	311.6	4.92	

# Reasons for Differences

## REASONS FOR DIFFERENCES

- Versioning or vintage issues (different SNA series, or different series reported)
  - e.g. Recent SNA revision (moved to SNA08 except where indicated): Andorra / Bahamas / Bosnia and Herzegovina / Congo (SNA93) / El Salvador / Gambia / Iran (Islamic Republic of) (SNA93) / Madagascar (1993 SNA) / Maldives / Russian Federation / Senegal / Greenland
- Fiscal year reporting
  - e.g. WDI fiscal year countries: Australia / Bangladesh / Egypt / Ethiopia / Haiti / India / Iran / Marshall Islands / Micronesia / Myanmar / Nepal / Pakistan / Palau / Puerto Rico / Samoa / Tonga / Uganda
- Different currencies used (USD vs LCU in most cases) [e.g. Liberia, West Bank and Gaza]
- Recent currency change/redenomination [e.g. Belarus, Mauritania, Sao Tome...]
- Difficulties in Estimation for Fragile States [Somalia, Yemen ...]

# Summary of Observations

## OBSERVATIONS

- Most of the differences appear due to ‘versioning’ or ‘vintage’ issues which arise due to the ongoing revisions common in national accounts data → Metadata are crucial
- In the case of GDP, not so many cases with large discrepancies without identified reasons
- Some cases are found for reporting problems (e.g. reported in fiscal year data)
- In the case of IHCE and other main aggregates, comparisons are not straightforward due to different treatments of NPISH, statistical discrepancies, etc. between databases

# Next Steps

## NEXT STEPS

- GIU will contact RIAs for update/confirmation where there are data gaps, reporting errors, or inconsistency
- Comparisons of metadata is crucial to ensure that ICP has most recent data series → Submission of the ICP country practice questionnaires is a requirement for the 2017 cycle.
- The task team will continue checking the data discrepancies in the next rounds of submissions (and report where there are potential issues that can results in large discrepancies).
- Continue building relationship and mechanisms to cross check data between national, regional, and international organizations.



**THANK YOU**