



Objectives and Progress of Digitalization Sub-group

including a broad overview of the priority area digitalization

Sri Soelistyowati, BPS - Statistics Indonesia

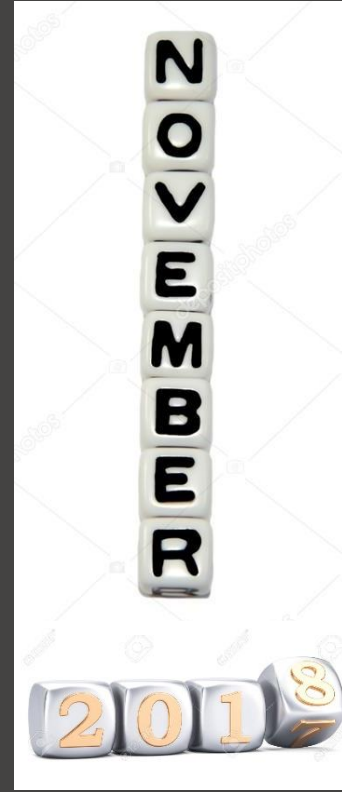
Overview - Background

Follow up UNSC AEG recommendation



Set 3 Priority Areas

- Digitalization
- Globalization
- Well being and sustainability



List of specific issues that needs to be prioritised

- Relevance
- Urgency
- Potential impact on SNA 2008



Topics



**Framework for a
satellite account
on the digital
economy**



**Valuation of free
assets and free
services**



**Recording of data
in the national
accounts**



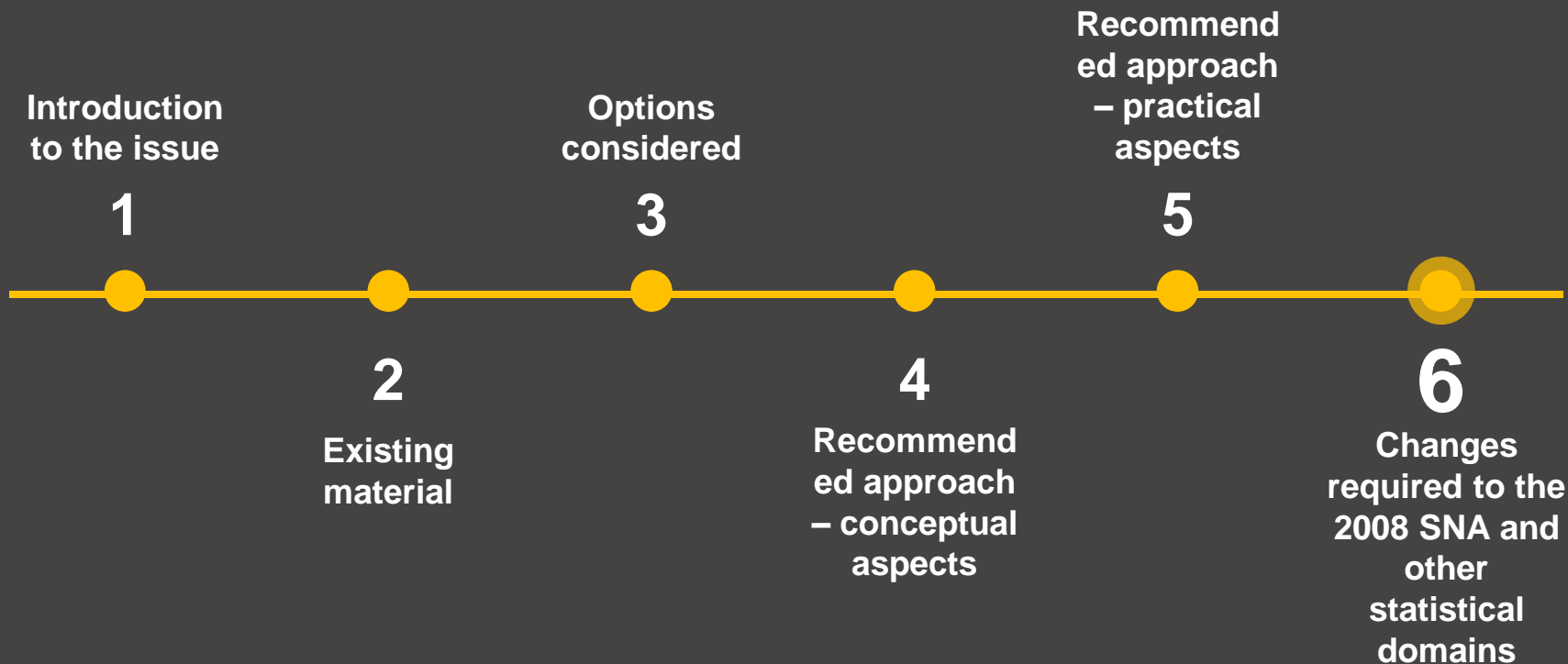
Crypto assets



**Price and volume
measurement of
goods and
services affected
by digitalization**

Target

Develop guidance notes on each of these topics by the first half of 2020, following the outline agreed by the AEG in November 2018.



UNSD Role



Facilitating coordination via online wiki platform



Connect and work collaboratively



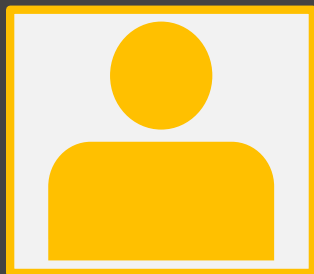
Post background documents



Collect contributions from the members of the subgroups for discussion and review

Our Member

Experts from different statistical domains, geographical areas and professional fields



1. Eric Strassner
(Chair)



2. Sri Soelistyowati
(co-Chair)



3. John Mitchell



4. Kevin Fox

Affiliation

1. Bureau of Analysis
2. BPS - Statistics Indonesia
3. OECD
4. UNSW Sydney

Affiliation

5. Eurostat
6. Department of Statistics of Singapore
7. UNSD
8. UNSD



5. Andreas Dollt



6. Teck-Wong Soon



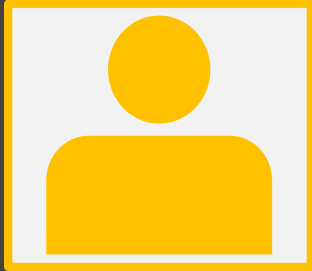
7. Benson Sim



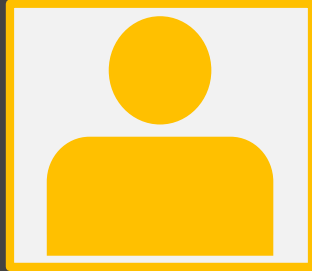
8. Markie Muryawan

Our Member

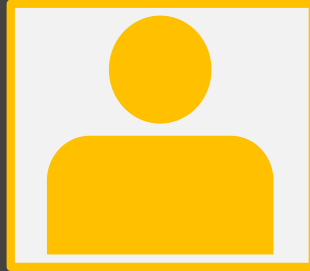
... cont'



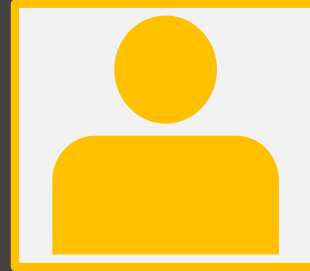
9. Sebastian Rebora



10. Richard Heys



11. Ziad Ghanem



12. Fabienne Fortanier

Affiliation

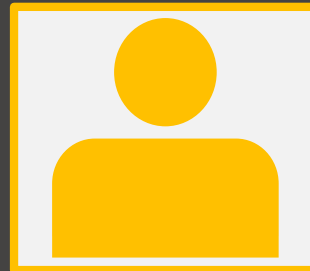
- 9. Banco Central de Chile
- 10. ONS
- 11. Statistics Canada
- 12. Dutch Central Bank

Affiliation

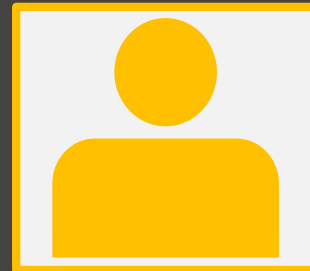
- 13. IMF
- 14. National Science Foundation
- 15. Eurostat



13. Jennifer Rlbarsky



14. Carol Robbins



15. Nicola Massarelli
(Secretary)



Organization of Work

(Team Leader)

Eric
Strassner
(Chair)

Sri
Soelistyowati
(co-Chair)

John
Mitchell

Kevin
Fox

Andreas
Dollt

Teck-
Wong
Soon

Benson
Sim

Topics

- Framework for a satellite account on the digital economy
- Valuation of free assets and free services
- Recording of data in the national accounts
- Cryptocurrencies
- Price and volume measurements of goods and services affected by digitalization
- Digital Trade (considered & not retain)



TL



x



x



TL



x



TL



x



x



x



x



x



x



x



x



x



x





Organization of Work

... cont'

(Team Leader)

Markie Muryawan

Sebastian Rebora

Richard Heys

Ziad Ghanem

Fabienne Fortanier

Jennifer Ribarsky

Carol Robbins

Topics

- Framework for a satellite account on the digital economy
- Valuation of free assets and free services
- Recording of data in the national accounts
- Cryptocurrencies
- Price and volume measurements of goods and services affected by digitalization
- Digital Trade (considered & not retain)



x



x

TL



x

TL



TL

x



x

TL



x

x



x

x

Organization of Work

... cont'



No research task is attributed to the secretary



All subgroup members work on a voluntary basis.



Each of the five topics has one designated leader, supported by three or four experts (depending on the topic)



Work is carried out remotely using digital tools.

- Regular coordination teleconferences between the co-chairs, the secretariat and the UNSD take place to monitor progress and plan the following steps
- Topic leaders are free to organise the work of their 'team' either via email or via teleconferences.
- Challenges: The time difference (e.g. 14 hours between the US and Australia, 12 between the US and Indonesia)



Each expert is in general involved in two topics.

Progress



Framework for a satellite account on the digital economy

- Extensive work has already been done, in particular by the Informal Advisory Group on measuring GDP in a digitalized economy, chaired by Erich Strassner of BEA and coordinated by the OECD.
- The paper presented at this meeting largely benefits from that work. The topic is sufficiently developed for the paper to already advance recommendations.



Valuation of free assets and free services

- Research is less advanced.
- The paper presented at this meeting describes the issues and presents the literature and options stemming from discussions so far.



Recording of data in the national accounts

- Research on recording of data in national accounts is in less advanced.
- The paper presented here is mainly based on work done by the OECD and Statistics Canada.

Progress

... cont'

Crypto assets



- Extensive research has also been carried out, especially by the IMF and the OECD.
- The paper presented at this meeting recommends concrete solutions for the treatment of crypto assets of different nature, based on the IMF and OECD work.

Price and volume measurement of goods and services affected by digitalization



- Considerable work has also been carried out, in particular by a joint Eurostat-OECD Task force on intellectual property products, which has produced recommendations at least on some of the aspects considered here.
- AEG paper on this topic reflects this work, but also benefits from additional input.

Future Milestone



The subgroup on digitalisation is expected to finalise guidance notes on each of the topics in the first half of 2020.



The 2019 AEG meeting is a milestone for the work of the subgroup. Text Here

- For the more advanced topics: the AEG is expected to comment and ideally support the recommendations
- For the topics where research has not yet reached mature conclusions: the AEG is expected to discuss options and provide guidance on future lines of work.



Considering feedback from the AEG, the subgroup will prepare a report on its activities by November 2019.

- This will serve as input for the ISWGNA report to the UN Statistical Commission in 2020, which will present options for a possible update of the SNA 2008.



A detailed timetable for the remainder of the work will be prepared by the subgroup after the AEG meeting.



Thank you