



BAPPENAS

Kementerian Perencanaan Pembangunan Nasional/
Badan Perencanaan Pembangunan Nasional



SDG 6. 5.1 Stakeholder Consultation Report Indonesia

January, 2024

Stakeholder Consultation Report of Indonesia

Executive Summary

The monitoring of Sustainable Development Goals for Integrated Water Resources Management (SDG 6.5.1 IWRM) in Indonesia was led by Directorate of Water Resources - Ministry of Planning and Development of Indonesia (BAPPENAS) as country focal point for SDG 6.5.1 (as identified by UNEP). The IWRM monitoring process was led by BAPPENAS with facilitation support from GWP Indonesia (Kemitraan Air Indonesia) through SDG Support Programme. The third batch of SDG 6.5.1 IWRM country monitoring in Indonesia in 2023 was conducted based on updated data and information that was collected from different line ministries and agencies responsible for water sector in Indonesia.

In order to develop the SDG 6.5.1 country survey, BAPPENAS and GWP Indonesia appointed a country facilitator to help collect all updated data and information related to IWRM from relevant ministries, agencies and non government agencies. The collected data was then compiled, processed and used to develop the first draft of SDG 6.5.1 country survey. The first draft was then discussed and reviewed by BAPPENAS to get further feedback and input. The feedback was then compiled and revised as second draft and consulted to broader stakeholder through multi-stakeholder workshop.

On December 15, 2023, the multi-stakeholder consultation workshop on Integrated Water Resources Management in Indonesia was organized through online video meeting format, inviting stakeholder in national, subnational, and basin level from different provinces and islands around Indonesia. The consultation meeting was chaired by the country focal point from Water Resources Directorate - Ministry of Planning and Development of Indonesia (BAPPENAS), Mr Juari Sutrisno and opened by Director Dr. Moch Irfan Saleh. This workshop was attended by more than 70 participants representing member of NWRC and representative of ministries, governments institutions and provincial, RBOs staffs and professional organizations. Based on the multi-stakeholder consultation workshop, all feedback and suggestions were compiled. The indicator 6.5.1 score is calculated by averaging all question scores in each section, rounded to the nearest whole number. Therefore, The indicator 6.5.1 score of Indonesia is **70**

Section	Average Scores (all values rounded to nearest whole number)
Section 1 Enabling environment	74
Section 2 Institutions and participation	71
Section 3 Management instruments	69
Section 4 Financing	67
Indicator 6.5.1 score = Degree of IWRM* implementation (0-100)*	70

This multi-stakeholder consultation report serves as an overview of the consultation process, including some of the main findings or areas of consensus during the consultation. This report contains 2 parts, including introduction and result of discussion.

INTRODUCTION

The workshop started with an opening remark from Director for Water Resources – BAPPENAS, Dr. Moch Irfan Saleh. He explained and introduced the principle of the new mid-term plan for Water Resources in Indonesia (RPJMN 2025-2029). This new mid term plan was used as the main data to fulfil the SDG 6.5.1 monitoring on question of 1.1.c related to National IWRM Plan. SDG 6.5.1 Country Focal Point for Indonesia, Mr. Juari Sutrisno reminded the important of integrated performance of cross sectoral cooperation to minimize “sectoral ego “

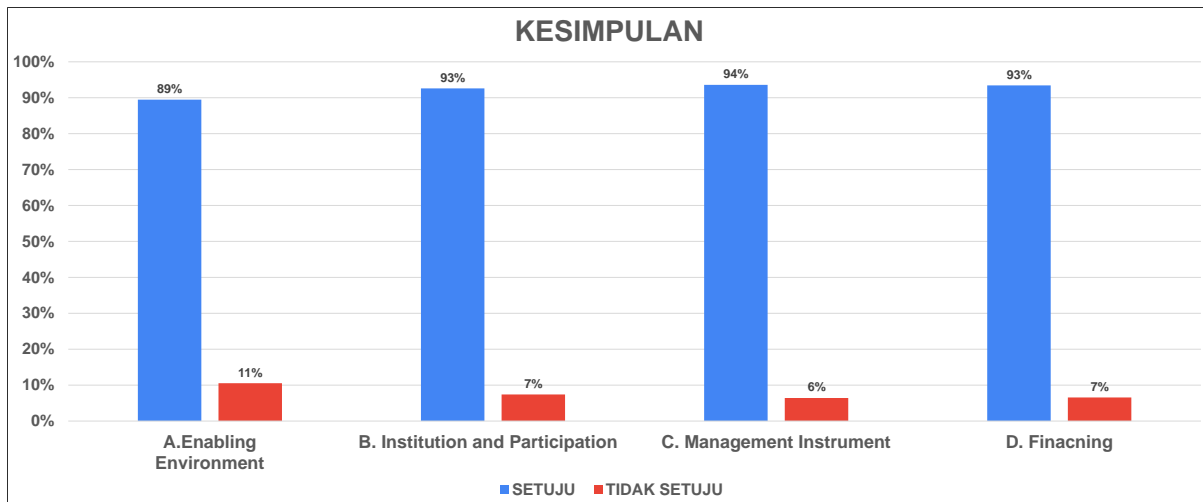
Prior to the discussion session, GWP Indonesia (Kemitraan Air Indonesia) through the appointed country facilitator, Mr. Sutardi proposed several issues that need to be addressed to improve the performance in water resources management and in implementation of water security program among other, as follows:

- (a) the needs to improve coordination, collaboration, sincronization and synergy among sectors and among regions in formulating policy, and laws and regulations as well as implementing their programs.
- (b) the needs to *review and adjustment* on laws and regulations that causes conflict of interest among sectors and regions
- (c) propose a kind of law that enable to synchronize and synergized sectoral interest, for example, a law in natural resources managements, etc, and
- (d) propose a Water Security Index that (IKA)focus on the 4 factors of Water Security program, i.e., Water for People, Water for Economic, Water for Environment and Water Related Disasters, to supplement the recently developed IKA by NWRC that contain of 72 variables and hundred of sub-variables to measure attainment in achieving vision and mission of water resources management mandated by water resources law 17/2019.

After the presentation from country facilitator, the moderator shared the link to the draft of country survey on SDG 6.5.1 in online format using google form. In that form, participants were asked to fill the form during the workshop, whether they agree or not with the suggested score (based on the draft that was presented), and they were requested to share their reason, including data and information that may be evidence to change the score. Chair of GWP Indonesia proposed to participants that recapitulation of results of scoring by FGD participant will be used as conclusion in scoring approval, as shown below.

Conclusion of scoring results in focus group discussion

Participants of online FGD is about 70 persons, among them 38 persons fill the scoring form and the summary of results for each pillar of IWRM are shown below:



Graph 1. conclusion on the approval on scores on each pillar of IWRM, blue color bar = participant agree to the suggested score, red = participant do not agree to the suggested score.

The completed survey can be found in separate document (, i.e., **SDG651_2023_IWRM-Survey-INDONESIA-updated-281223 (attached)**), submitted by country focal point to SDG 6.5.1 UNEP Helpdesk.

1. Conclusions from facilitated discussions on Section 1: 'Enabling Environment'

For Enabling environment, participant in the meeting mentioned that policy and laws and regulations at central level for water resources are in general sufficient, however their implementation at provincial, district/city and river basin level need to be improved. Therefore, efforts to tackle problems are being taken consideration by country facilitator and included in the SDG 6.5.1 Survey Questionnaire in the part *way forward* of pillar I *Enabling Environment*.

Regarding policy coherency between different water sector, participants discussed the needs to have an enabling environment that support coherency and avoid conflict between different water policies, because in general there is no such sectoral law that regulate others sectors (water law is not above other law).

Water security index (IKA) was also mentioned in the discussion. It is mentioned that implementation of IKA are currently being tried in some institutions and basins.

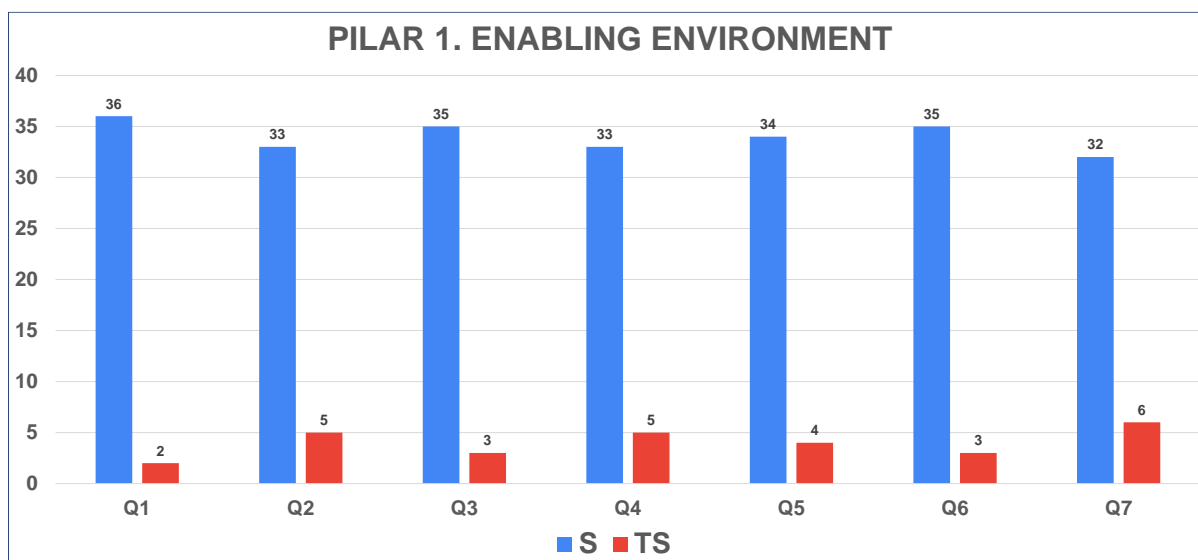
Other suggestion from participant related to enabling environment:

- (a) draft 4 implementing regulations of water law 17/2019 need to be urgently finalized;
- (b) other required regulations need to be formulated
- (c) implementation of policy and laws and regulations need to accelerated
- (c) need to consider the existence of *Omnibus Law* in water resources, the same as the existence of *Omnibus Law* in licence and *Omnibus Law* in taxing (note: this issues is the same as advised by the World Bank under *Indonesia toward Water Security in 2045 (2021)*)

Note from facilitator: efforts to improve problems mention in a) and b) has been accommodated in the *way forward* of pillar I *Enabling Environment*

On transboundary water cooperation, it is mentioned the needs to include information on transboundary cooperation in water resources management in 3 countries, i.e, Papua Nugini, Timor Leste and Malaysia.

The graph below shows the agreement of scores for enabling environment. blue color bar = participant agree to the suggested score, red = participant do not agree to the suggested score.

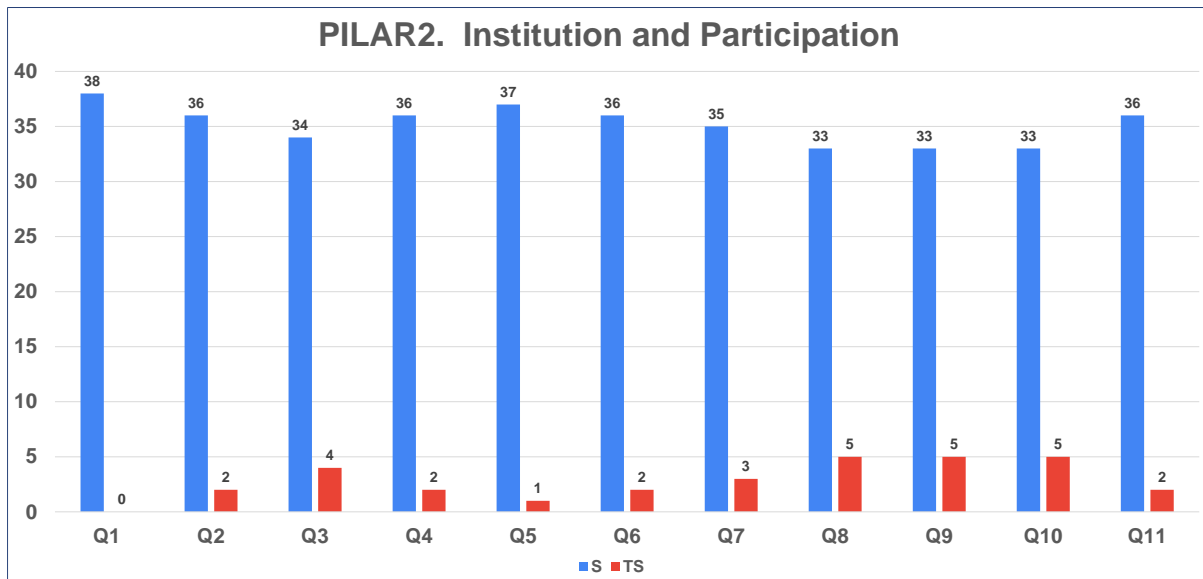


Graph 2. Summary of scoring results for 7 questions on pillar 1 IWRM: Enabling Environment , blue color bar = participant agree to the suggested score, red = participant do not agree to the suggested score.

2. Conclusions from facilitated discussions on Section 2: 'Institutions and Participation'

For IWRM dimension on Institution and Participation, participant mentioned the need to intensify communication and coordination to ensure the success of water resources management and water security program.

Participant also mentioned about the need to include additional information regarding **Gender mainstreaming** in water resources management based on GAP (Gender Action Program) on World Bank loan in Flood Management in Selected River Basins (FMSRB). This information increase score of question 2.2.d from 70 to 75.



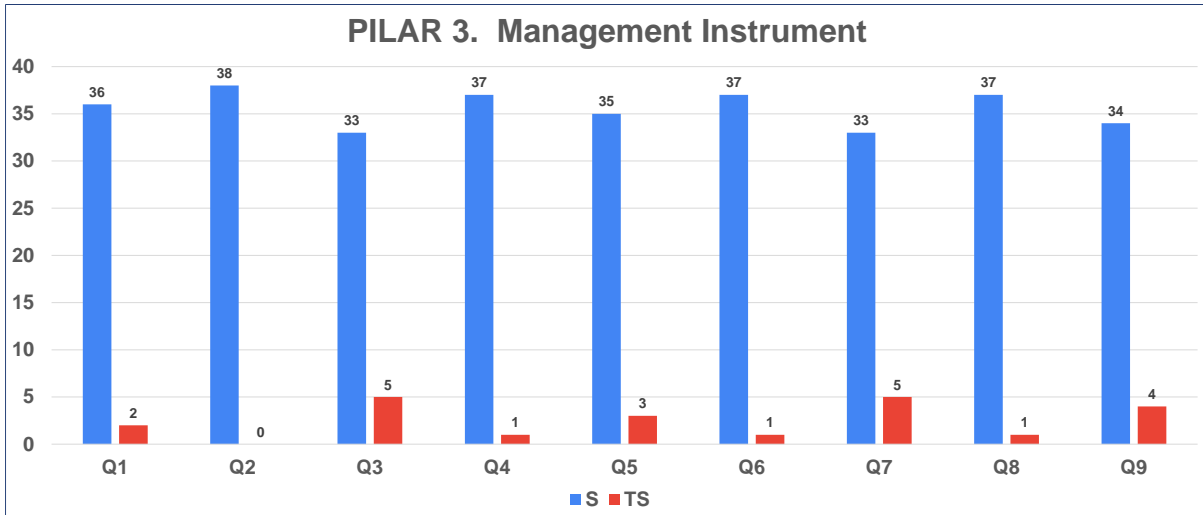
Graph 3. Summary of scoring results for 11 questions on pillar 2 IWRM: Institution and Participation, blue color bar = participant agree to the suggested score, red = participant do not agree to the suggested score.

3. Conclusions from facilitated discussions on Section 3: 'Management Instruments'

For IWRM pillar on Management Instrument, participants mentioned the need to accelerate utilization of recently completed multipurpose reservoirs in an integrated manner. (this concern has been accommodated in the pillar 3 *Management instrument*).

Participant from provincial level also mentioned the need to extend regulation to ensure integration of extraction on watersurface and ground water in province, district and river basin using joint ministerial decrees of between 3 ministries, ie, Ministry of Public Works and Housing, Ministry of Energy and Mineral Resources, and Ministry of Investment. This suggestion increased the score on question 3.2.b) on Aquifer = groundwater basin management instruments from 70 (previous) to 80 due to proposing a real required action.

Participant from National Research and Innovation Agency (BRIN) mentioned that the term aquifer is not suitable for the Indonesian context, because Indonesia is a big archipelago country with young aquifer rocks that are usually connected between one aquifer and another aquifer. What is more appropriate for the Indonesian context is the groundwater basin. He suggested to change the terminology in the SDG 6.5.1 survey for *aquifer* into *groundwater basin* instead, because this term is more representative for Indonesia groundwater condition.

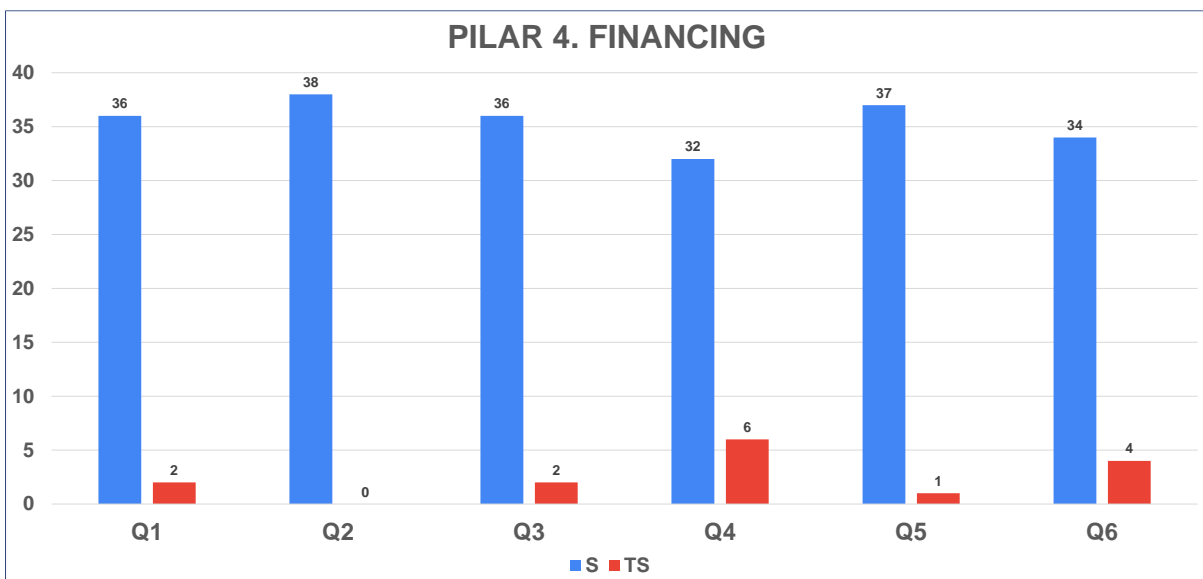


Graph 4. Summary of scoring results for 9 questions on pillar 3 IWRM: Management Instrument, blue color bar = participant agree to the suggested score, red = participant do not agree to the suggested score.

4. Conclusions from facilitated discussion on Section 4: 'Financing'

On IWRM pillar for Financing, participant mentioned that sincronization of policy and regulation and law for water resources are available, however, implementation in the fields still constrained by the availability of budget. The suggestion way forward to tackle this challenge have been define in the *way forward* in the Financing section.

Participant also mentioned about the investment of private sector in an on going projects on regional drinking water supply system (SPAM Regional) using Public Private Partnership (KPBU) scheme. He mentioned the need to further investigate the learning and evaluation from the projects and considered carefully before scaling up in other location. Data and information on SPAM REGIONAL is available in the Directorate General of Infrastructure Financing in the Ministry of Public Works and Housing.



Graph 5. Summary of scoring results for 6 questions on pillar 4 IWRM: Financing, blue color bar = participant agree to the suggested score, red = participant do not agree to the suggested score.

5. Next steps

The following are priority actions of the next steps to advance IWRM implementation in Indonesia:

- Expedite completion of required laws, government regulations (GR), presidential and ministerial decrees, for example, law on natural resources, completion implementing GRs, presidential and ministerial decrees for Water Law 17/2019 and policy and provincial regulations relater to water resources, etc
- Formulate a road map, including its implementing actions and monitoring and evaluation measures and its remedial measures and relevant capacity development to advance IWRM implementation for the period of 2025- 2030 and beyond
- Expedite application of national water security index recently develop by MWRC (National Water Resources Council)
- Encourage conduction of annual multi-stakeholders platform meeting to monitor and evaluate the progress and challenges of road map of implementation of IWRM including relevant remedial measures as mention in each part of « **way forward** » of 33 questions on the survey form
- Provide sufficient budget to implement the 4 above mention priority actions

Annexes

Annex 1: List of Participants

Annex 2: Agenda

Annex 3: Facilitator's Comments

Annex 4: Photos

Annex 1: List of participants

Workshop participants

Name	Organisation	Position
1. Muhammad Irfan Saleh	Water Resources, National Development Planning Agency	Director
2. Juari	Water Resources, National Development Planning Agency	Coordinator of Natural Resources Utilization Activities
3. Siti Amira	Water Resources, National Development Planning Agency	Staff
4. Cintya sitanggang	Water Resources, National Development Planning Agency	Staff on Urban Planning
5. Herland Simanjuntak	Water Resources, National Development Planning Agency	staff

Name	Organisation	Position
6. Anindita Pratiwi	Water Resources, National Development Planning Agency	
7. Eva Afifah	Water Resources, National Development Planning Agency	staff
8. Dede Widia	Water Resources, National Development Planning Agency	
9. Batara R	Water Resources, National Development Planning Agency	Staff
10. Imam Mustofa	HKTI (non government member)	Head of water resources
11. Atie Tri Juniati	Pancasila University / GWP Indonesia	Secretary of Executive Board
12. Aldo	BWS (River Basin Authority) Kalimantan V	
13. Daniel Sinambela	Ministry of Public Work and Housing (Directorate for Operation and Maintenance for Water Resources)	Staff for technical planning
14. Gemilang	DSDA (water resources council) for West Java Province	Head Section
15. Rahman Hidayat	Hathi Pusat / A3 D3 Kemenkomarves (Coordinating Ministry for Maritime Affairs and Investment of the Republic of Indonesia)	Head of HATHI V / Deputy Assistant
16. Mochammad Amron	Kemitraan Air Indonesia (KAI)	Chief Executive
17. Muhamad Taufiq	BWS (River Basin Authority) Kalimantan V	Head KPI for Water Resources
18. Okta	Ministry of Public Work and Housing	
19. Ulthari	PPA KLHK (Ministry of Environment and Forestry)	staff
20. Kuswanto Sumo Atmojo	National Water Resources Council Secretariat (DSDAN)	member
21. Airlangga Mardjono	SDA, Kem. PUPR	General Directore Secretary
22. Siti Rodiah	Ministry of Public Work and Housing	Staff
23. Sovia Revina	BWS (River Basin Authority) Kalimantan V	Decision authority for Planning and program
24. Sri Sudjarwati	National Water Resources Council Secretariat (DSDAN)	Functional (Jafung)
25. Sumudi	Gerakan Nasional Kemitraan Penyelamatan Air (GNKPA)	
26. Sutardi	KAI – GWP Indonesia	Member
27. Syaiful Mahdi	KNI - ID	
28. Usman Gunadi	KAI – GWP Indonesia	Member
29. Menti	KAI – GWP Indonesia	Secretariat
30. Zahrotul	Coordinating Ministry for Economy	Staff
31. Adenira Hargianintya	National Secretariat for SDGs	Manager assistand for Monev
32. Aditya Wirayasa	GWP SEA	Communication and KM officer
33. Agus Santoso		
34. Amin Widada	Geospatial Information Agency (BIG)	Surveyor
35. Riska	BBWS (River Basin Authority) for Citarum river	Program

Name	Organisation	Position
36. Doddy M.Y	Geospatial Information Agency (BIG)	Staff
37. Cucu H		
38. Dwi Ariyani	Universitas Pancasila	Lecturer
39. Edi Irawan	PJT II	
40. Fany Wedahuditama	GWP SEA	Regional Coordinator
41. Louise Desrainy Maryonoputri	GWP SEA	Regional Coordinator Deputy
42. Fathia Shabrina		
43. Fitriyani Yasir	National Secretariat for SDGs	Manager Assistant
44. Galuh K		
45. John Pantouw	KAI – GWP Indonesia	
46. Kuswanto SA	LP3ES	
47. Lusia Galuh	PJT II	Staff
48. Maharani P		
49. Niendyawati	Coordinating Ministry for Economy	
50. Peni Susanti	Gerakan Ciliwung Bersih (Clean Ciliwung Movement)	Chair
51. Putri Irina Mayang	Ministry of Public Work and Housing	Analyst
52. Revananda		
53. Solestiana Bintang	National Water Resources Council Secretariat (DSDAN)	
54. Titih Danielaini	BAPPENAS	Planner
55. Tito Susanto	Gerakan Ciliwung Bersih (Clean Ciliwung Movement)	Secretary
56. Uly Hary Rusady	Yayasan Garuda Nusantara	
57. Unika Merlin Sianturi	Bappenas	
58. M. Napitupulu	KAI – GWP Indonesia	Member
59. Achmadi P	KAI – GWP Indonesia	member
60. Leonarda	KAI – GWP Indonesia	member
61. Ninik R	KAI – GWP Indonesia	Member
62. Andri Setiawan	National Board for Disaster Management (BNPB)	Analyst
63. Aldi	Dit. Sanitasi	
64. Budi Joko Purnomo	Department of Geologi, Ministry of Energy and Mineral Resources	Researcher
65. Muharom Rusdiana	Coordinating Ministry for Economy	Analyst
66. Erwin Tunas	GAPKINDO	Executive Directore
67. Luluk Azkarini	National Water Resources Council Secretariat (DSDAN)	Expert
68. Niendyawati	Geospatial Information Agency (BIG)	Atlas Coordinator
69. Zulharman Djusman	KTNA Nasional	General Secretary
70. Rizky Kurniawan Putro	Water Resources Department - Jakarta Province	staff
71. NOFI MUHAMMAD ALFAN ASGHAF	Department of Geologi, Ministry of Energy and Mineral Resources	Researcher

Other stakeholders engaged (not in workshops)

Name	Organization/Position	Email address	Summary of inputs provided
Prof. Waluyo Hatmoko	Research Center for Water Resources, Ministry of Public Works and Housing	whatmoko@yahoo.com	
Kadarsah	Meteorological, Climatological, and Geophysical Agency		

[Please note that this Annex is supplemented by information in Annex E of the SDG 6.5.1 survey, which reflects on the level of engagement from different stakeholder groups.]

Annex 2: Agenda

Time	ACARA (agenda)	PIC
09.00 – 09.15	Opening remarks	Director of Water Resources, Bappenas
09.15 – 09.25	Presentation on SDG 6.5.1 Monitoring in Indonesia	DR. Sutardi (country facilitator)
09.25 – 10.00	Pengisian Kuisisioner	DR. Sutardi (country facilitator)
10.00 – 10.30	Diskusi	Ir. Juari – BAPPENAS (country focal point)
10.30 – 10.40	Penyampaian hasil pengisian Kuisisioner	DR. Atie (GWP Indonesia)
10.40 – 10.50	Penutupan	Bappenas & GWP Indonesia

Annex 3: Facilitator's Comments

For a large archipelagic country like INDONESIA with more than 17,000 of small and big islands, with thousand of rivers involving 34 provinces, more than 400 districts and about more than 50 RBOS and about 20 ministries and related government institutions more time

and funds need to be devoted to monitor and evaluate implementation of IWRM principles and processes especially they related to implementation of SDGS 2030 Agendas

Annex 4: Photos

[Please include any photos from the consultations here, or email as attachment. People included in the shared pictures should have at least vocally consented to being pictured.]

