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Indicators related to Water Accounts in the context of communication and awareness raising

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Statistical Committee of RA

Joint OECD/UNECE Seminar on Implementation of SEEA

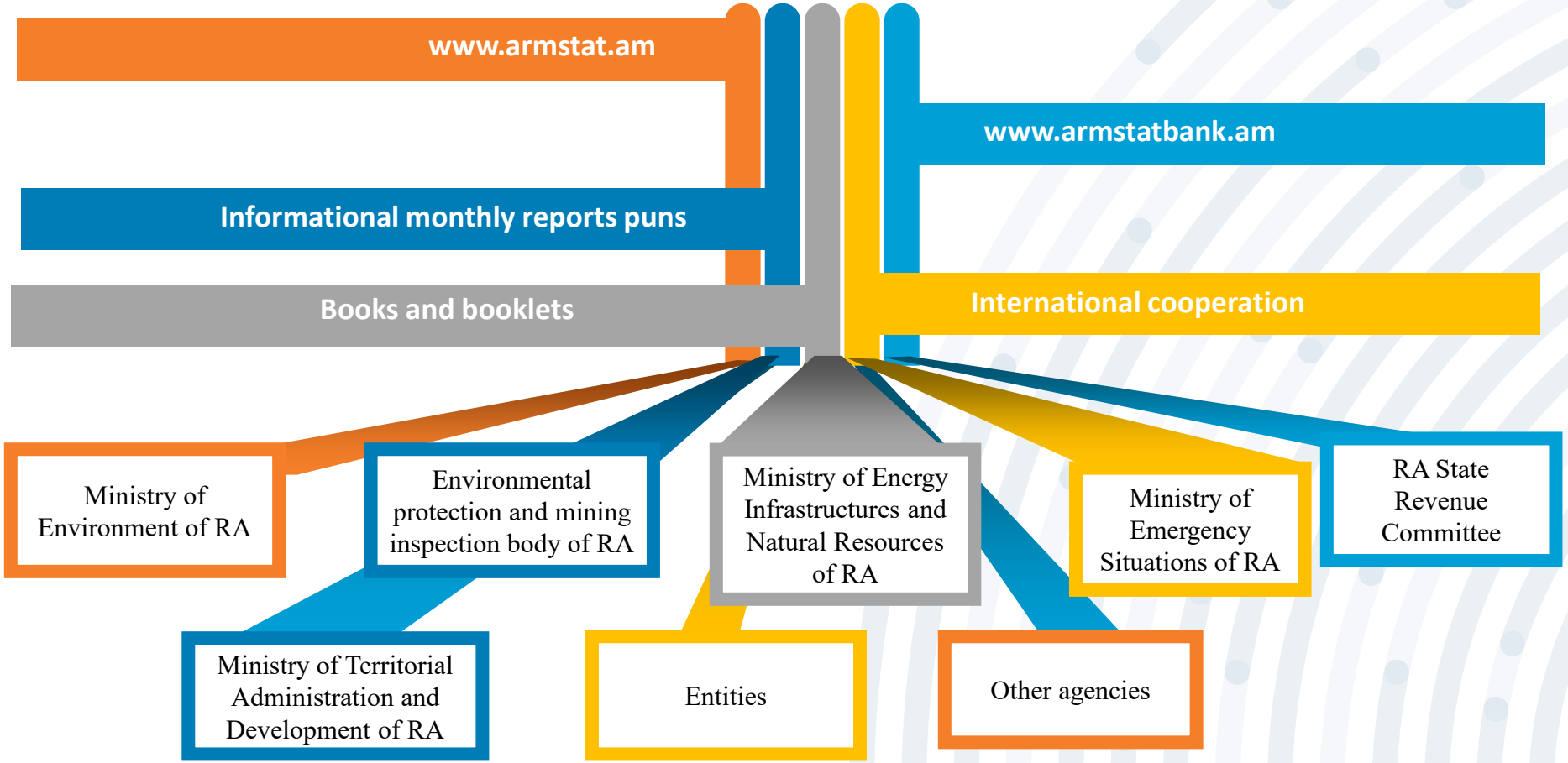
13-15 March,
Geneva

Environmental Data exchange agreements

- Inter-institutional protocols
- Inter-sectorial Committee
- Regular official and working meetings with contact persons

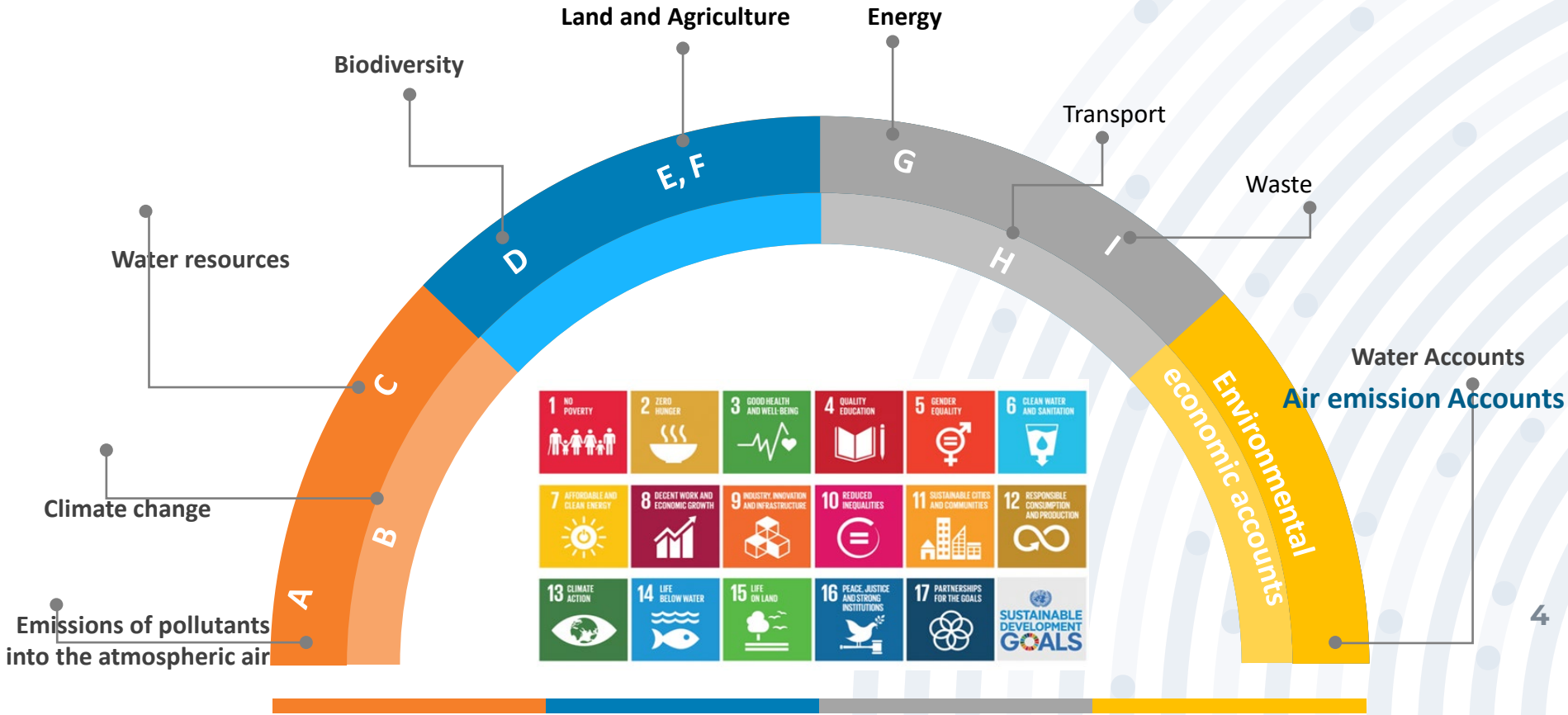
Letter of Intent signed (30.08.2017) between the Ministry of Nature Protection, the National Statistical Service of the Republic of Armenia and the European Environment Agency by Order of the Minister of Nature Protection of the Republic of Armenia No. 122-A of May 6, 2018

Environmental Data Flows

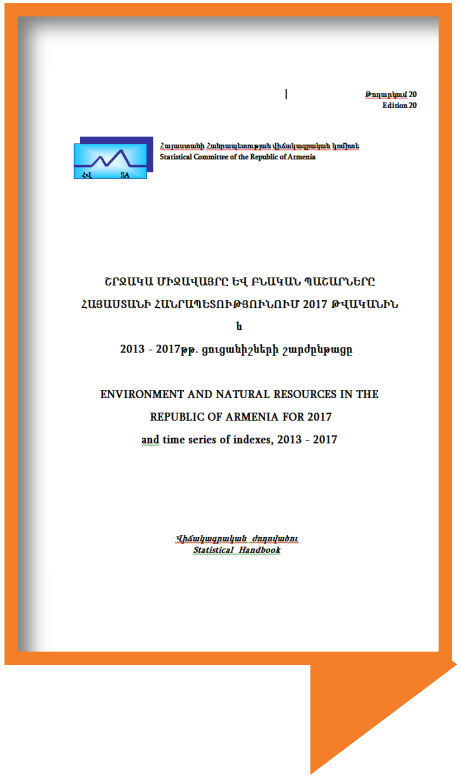


Aligning with UNECE Indicators

43 assessed UNECE environmental indicators of Armenia (2022)



Environment related publications



- Socio- Economic Situation of RA
- Housing resources and public utility of the Republic of Armenia
- Marzes of the Republic of Armenia and Yerevan city in figures
- Armenia in figures
- Statistics for Schools
- Atlas the Republic of Armenia by the regions and Yerevan city

Environment and Natural Resources in the Republic of Armenia

Statistical yearbook of Armenia

Other publications

Water Accounts

Physical Water Supply and Use Tables

- By types of water sources
- Years
- Indicators
- NACE categories

National Accounts

- Product output and supply
- Intermediate consumption and use

Formation of the System of Water Satellite Accounts in Armenia (arm. version)

Physical flows

Physical use table 1 *(millions of cubic meters), by NACE categories and households*
1. Total abstraction from the environment (= 1.a + 1.b = 1.1 + 1.2)
1.a. Abstraction for own use
1.b. Abstraction for distribution
1.1. Surface water
1.2. Groundwater
2. Use of water received from other economic units
3. Total use of water (= 1 + 2)
3.1. Total abstraction from the environment (= 1.a + 1.b = 1.1 + 1.2)

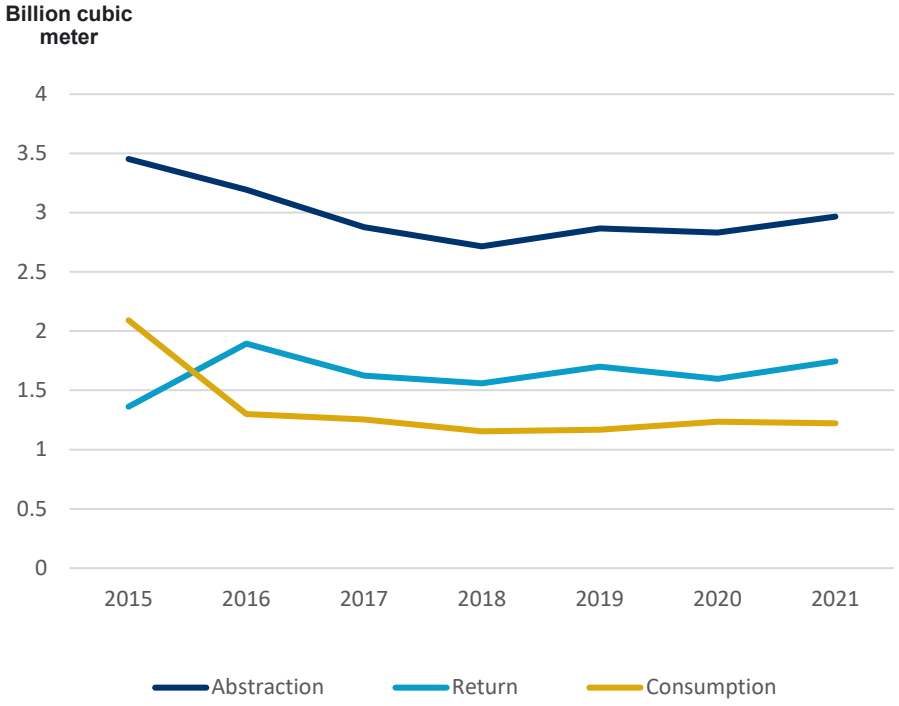
Physical supply table 2 *(millions of cubic meters), by NACE categories and households*
4. Supply of water to other economic units of which:
4.1. Wastewater to sewerage
5. Total returns into the environment (= 5.a + 5.b)
of which: 5.a. Losses in distribution because of leakages
5.b.1. Surface water
5.b.2. Groundwater
5.b.3. Soil water
6. Total supply of water (= 4 + 5)
7. Consumption (= 3 - 6)

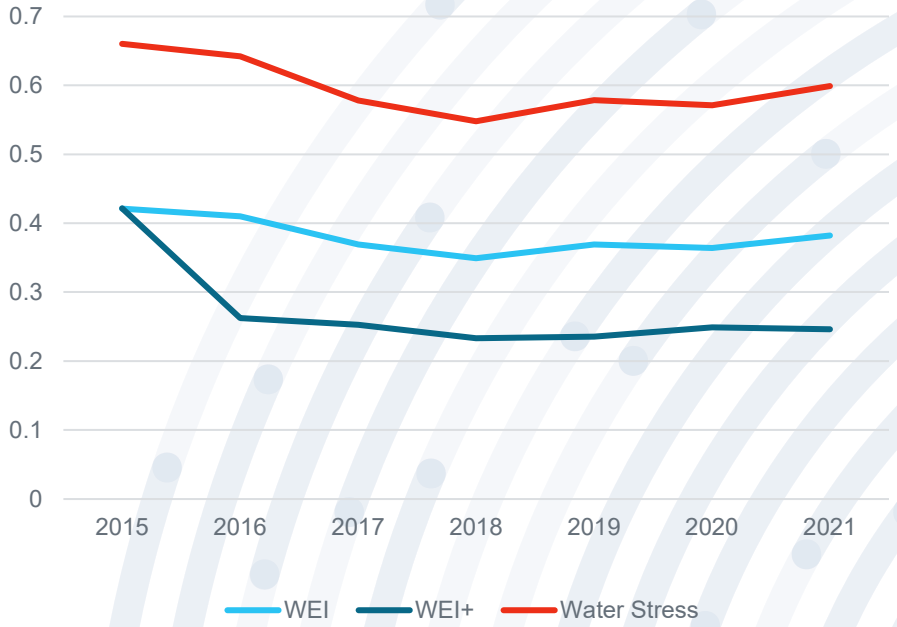
The Matrix table 3

A. Physical use table (millions of cubic meters)	Industries (by NACE)	House holds	Supply of water to other economic units (row 4 of table 2)
Industries (by NACE)	X	X	X
Households	X	X	X
Use of water received from other economic units (row 2 of table1)	X	X	X

Hybrid supply table 4	Hybrid use table 5	Key indicators
1. Total output and supply (billion of drams) of which:	1. Total intermediate consumption and use (billion of drams) of which:	Water consumption [million m^3]
1.a. Natural water (CPC 1800)	1.a. Natural water (CPC 1800)	Water consumption per GVA (gross value added) [m^3 per 1000 drams]
1.b. Sewerage services (CPC 941)	1.b. Sewerage services (CPC 941)	Water consumption per Production Output [m^3 per 1000 drams]
2. Total supply of water (millions of cubic meters)	2. Total use of water (millions of cubic meters)	Water use [million m^3]
2.a. Supply of water to other economic units of which:	2.a. Total abstraction of which:	Water use per GVA (gross value added) [m^3 per 1000 drams]
2.a.1.Wastewater to sewerage	2.a.1.Abstraction for own use	Water use per Production Output [m^3 per 1000 drams]
2.b. Total returns	2.b. Use of water received from other economic units	Water consumption/ water use
		Losses in distribution / total water use

Water Key indicators



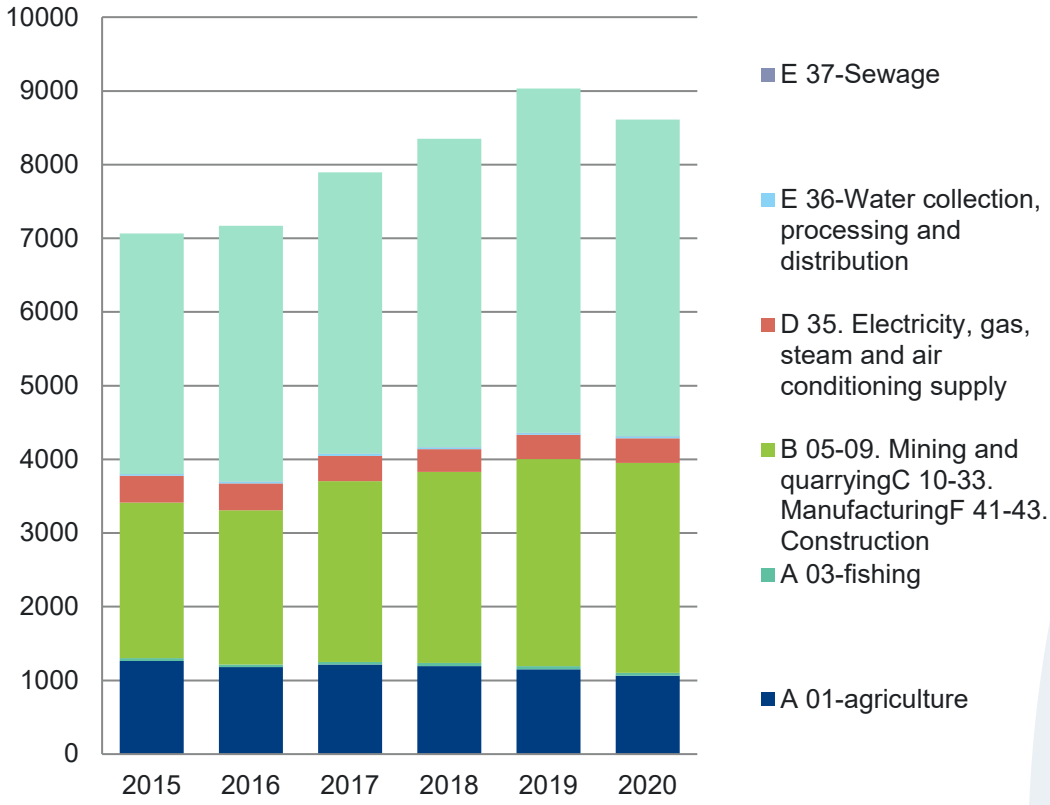


WEI+ = (Abstraction- Return)/(Total renewable freshwater resources-Environmental flow requirements)

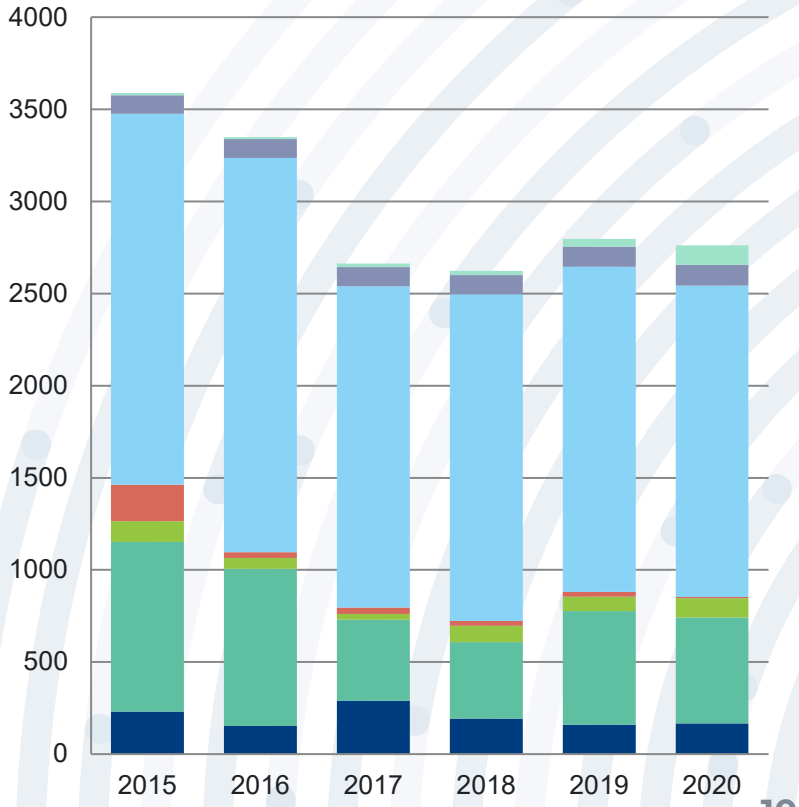
Water Stress = (Abstraction)/(Total renewable freshwater resources-Environmental flow requirements)

SEEA Water - Key indicators

Total output and supply (billion of drams)

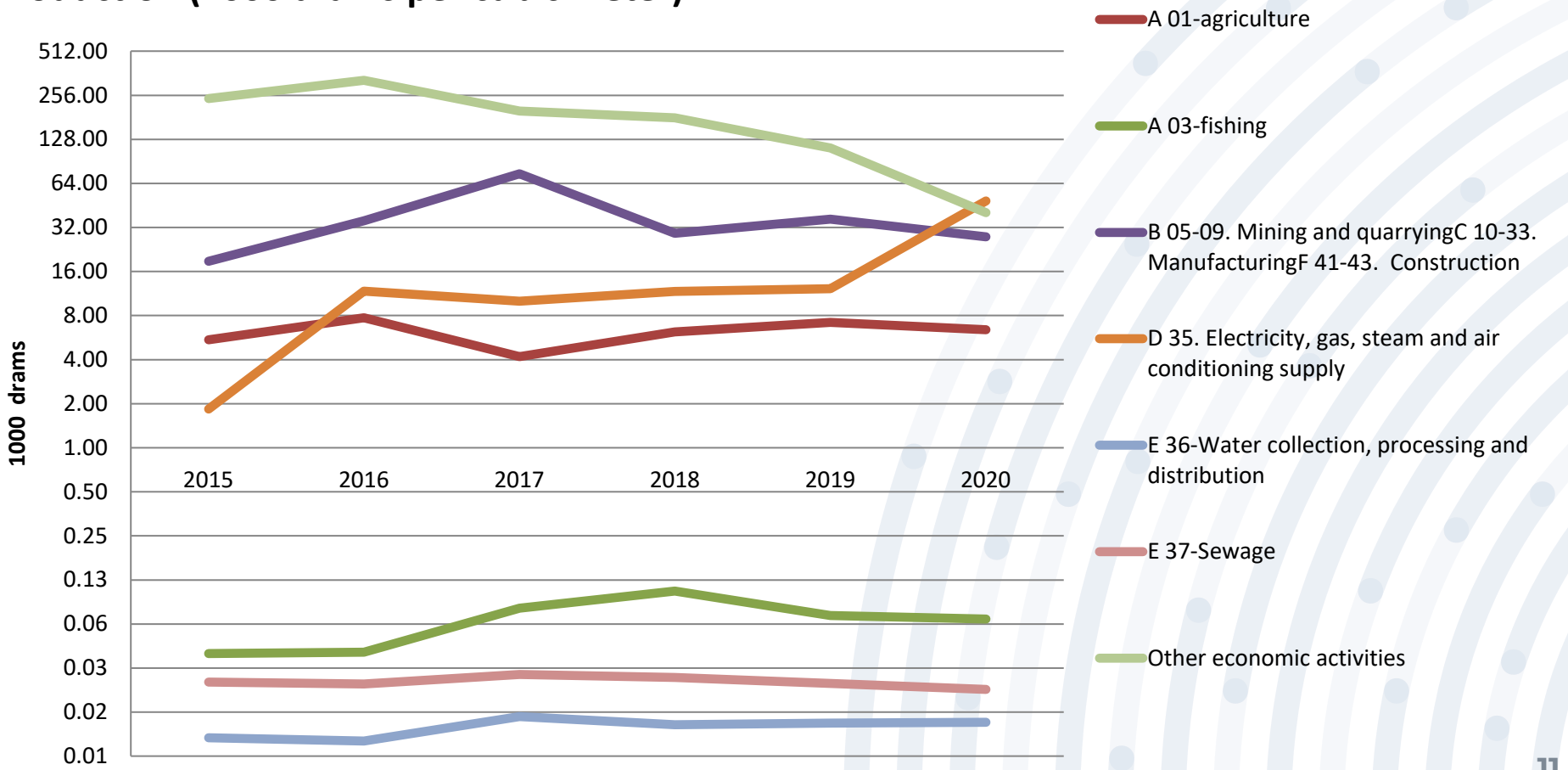


Supply of water (millions of cubic meters)



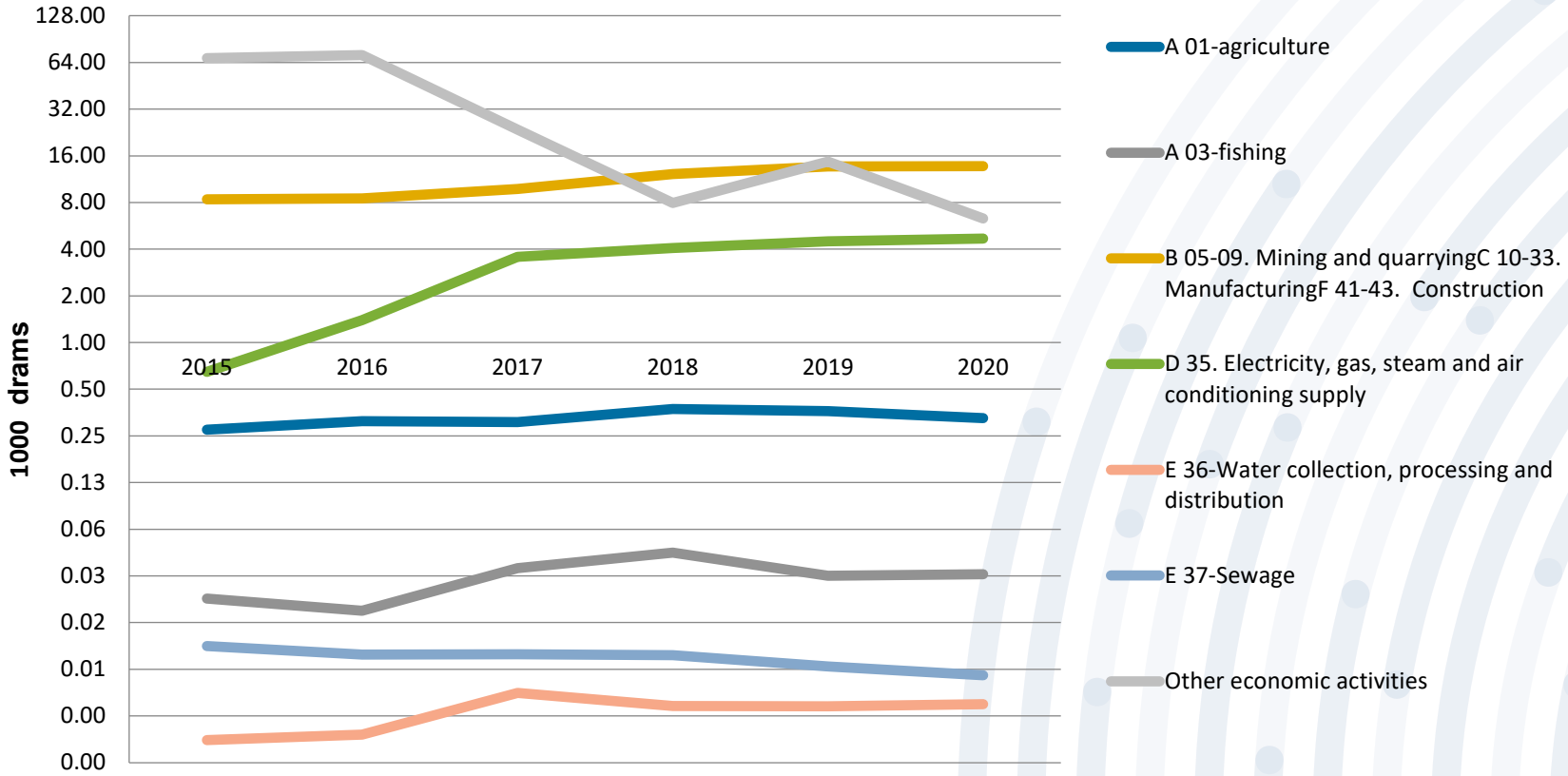
SEEA Water - Key indicators

Production (1000 drams per cubic meter)

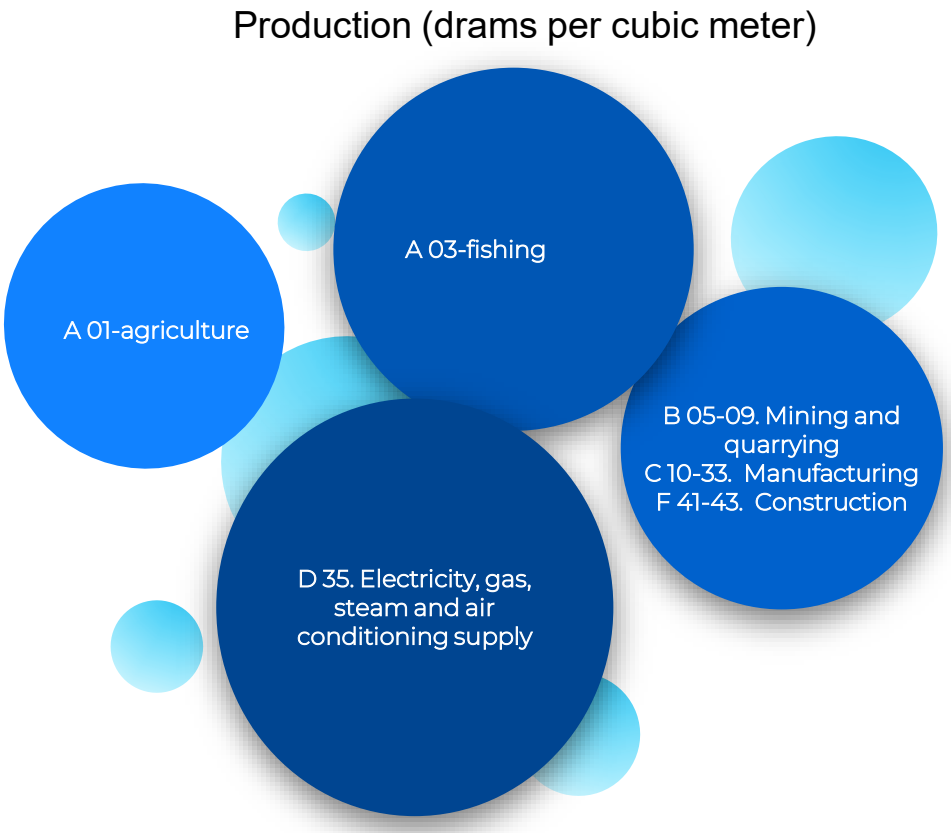


SEEA Water - Key indicators

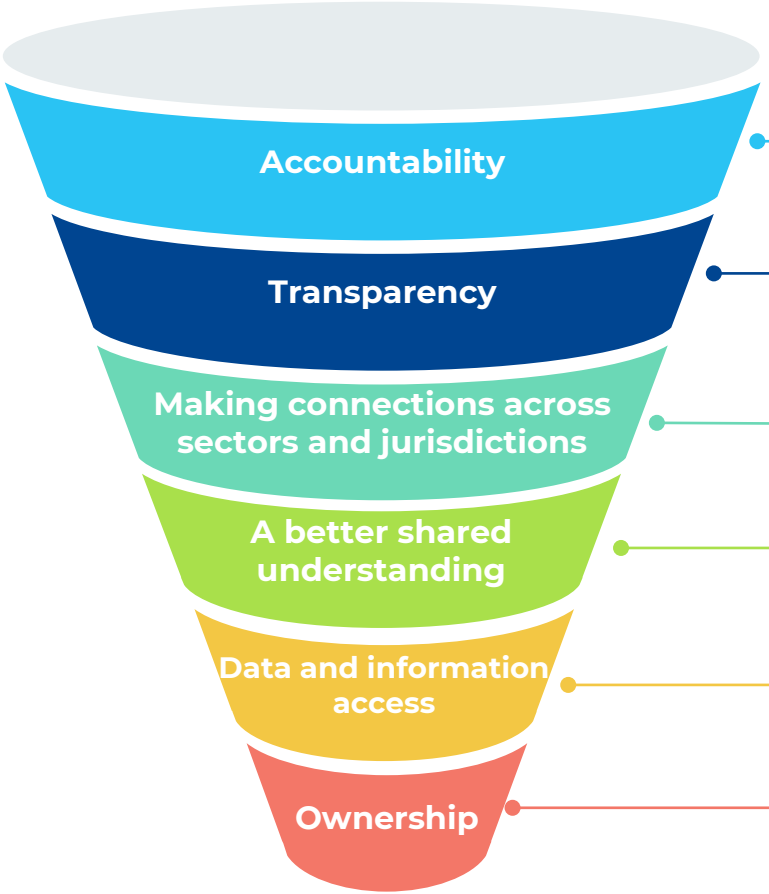
Intermediate consumption (1000 drams per cubic m)



Useing infograghs to communicate key messeges



Stakeholder engagement in the process



Stakeholder involvement in indicator selection and application increases the accountability demands to those authorities that implement the key activities

Stakeholder participation in the process of selecting and ultimately applying the indicators is important to ensure transparency.

The diversity of stakeholders involved makes connections across sectors and administrative boundaries on a basin level

The process of co-creating indicator frameworks also allows for the involved parties to build an understanding of the issues to be addressed through the use of indicators and to negotiate priorities among these issues

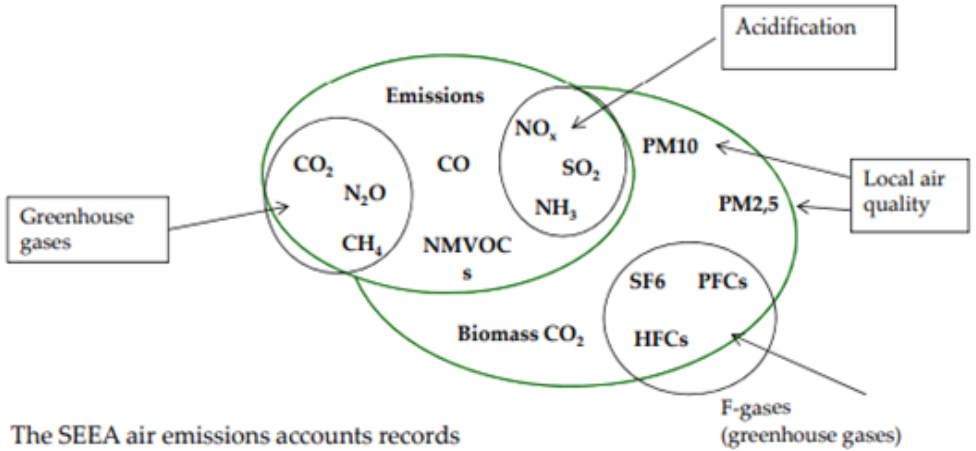
Involving critical data owners can play an important role in facilitating access to the information that is necessary to calculate indicators, or to spur the collection of new information

indicators represent the information that the users require and deem to be relevant

… next up

Air Emissions Accounts for Armenia – Data evaluation and road map for implementation

Scope of the accounts: Gaseous and particulate substances released to the atmosphere by establishments and households as a result of production, consumption and accumulation processes.



The SEEA air emissions accounts records the generation of air emissions by resident economic units and by type of substance.

Building Armenia's National Transparency Framework under the Paris Agreement UNDP-GEF project

UN Framework Convention on Climate Change (UNFCCC)

Convention on Long-Range Transboundary Air Pollution (LRTAP)

Thanks!

Any questions?

You can find at:

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