



## Indicator 1.4.1

“Proportion of population living in households with access to basic services”

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# Background and international standards

- This indicator is dependent on many other existing SDG indicators
- The concepts and applicable data principles thus rely on existing international standards, which have been developed and tested for more than 20 years

## What is “Basic Services”?



Safe drinking water



Improved sanitation



Solid waste collection



Transport & mobility



Modern energy



ICT



Social welfare



Health care



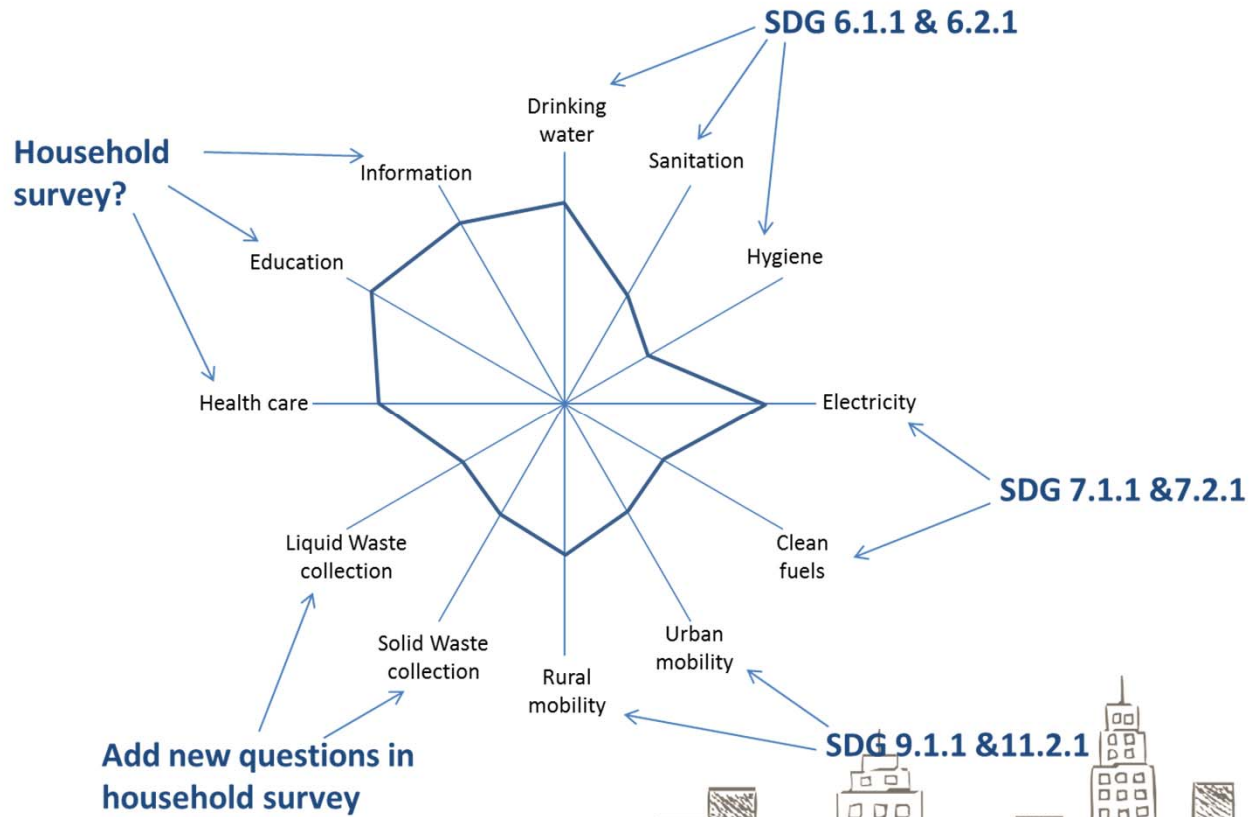
Education



Public and open space



# Visualization



# NSO and expert consultations

## EGMs held between 2016 and 2017

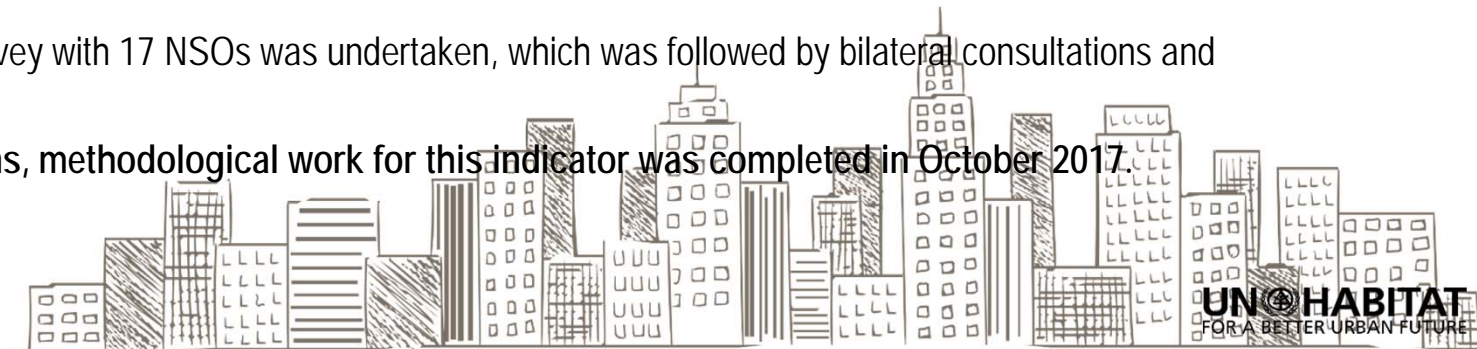
- Methodology development started with the review of various basic services.
- The first high level expert group discussion was held in Dec 2016 followed by March 2017
- Monthly consultations by a group of experts for specific basic services from diverse professional backgrounds and agencies to review and refine the metadata followed
- The final expert group meeting was held in May 2017.

## During these EGMs;

- Consulted experts included: NSOs, city teams, regional bodies, international experts, CSO and experts working on poverty and access to basic services.
- NSOs were consulted on methodology, feasibility and data collection tools (e.g.s Colombia, India, Jamaica, Tanzania, Uganda, Cameroon, USA, Belgium, Brazil, Colombia, Democratic Republic of Korea, Mexico, Netherlands, Rumania, Spain, United Arab Emirates, Uganda, Africa Centre for Statistics/UNECA)
- Other experts included regional bodies (African Regional Institute for Geospatial Information Science and Technology, Union of Arab surveyors, Regional Center for Mapping and Resources Development - RCMRD), UNGGIM and other UN bodies (WHO, UNICEF and UNDP)

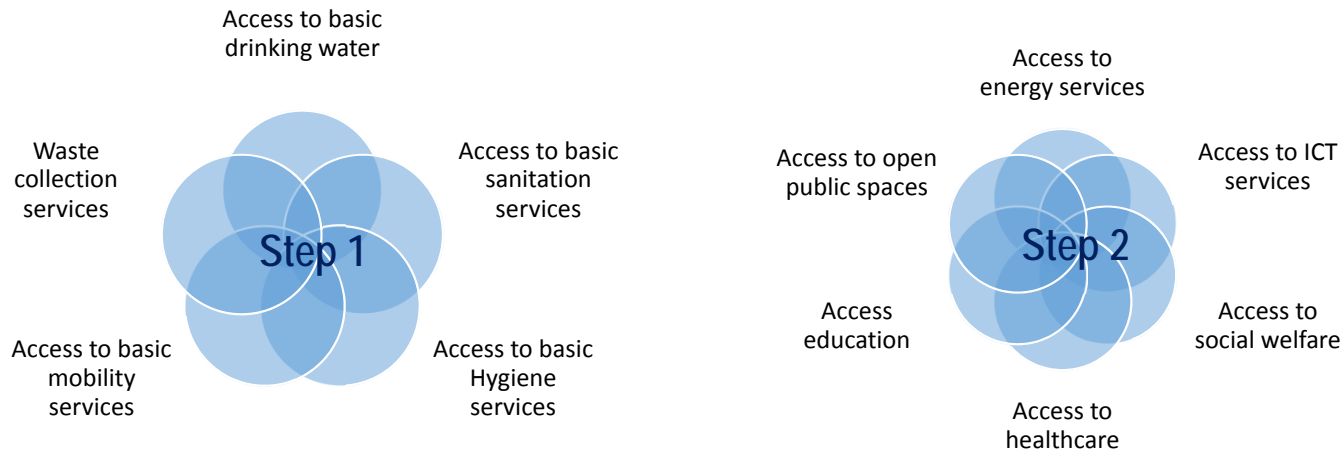
A capacity assessments survey with 17 NSOs was undertaken, which was followed by bilateral consultations and administrative data reviews

Following the consultations, methodological work for this indicator was completed in October 2017.



# Discussions on method of computation

The indicator computations discussed two stages, applied depending on the level at which data is collected.

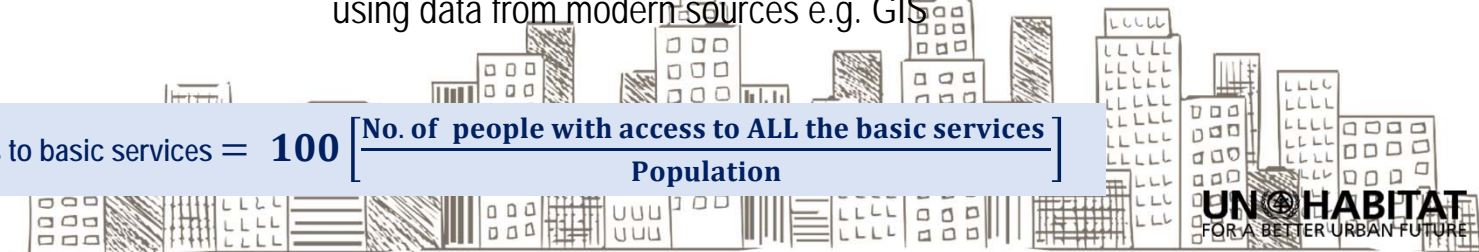


Individual components of access to basic services are computed first, followed by an aggregation of the components with no weights.

Getting proportion of population with access to **ALL the basic services** from primary data sources e.g. HH surveys and census.

Computing metrics for **other components** that are not measured at the household level e.g. access to health, education, transport using data from modern sources e.g. GIS

$$\text{Proportion of Population with access to basic services} = 100 \left[ \frac{\text{No. of people with access to ALL the basic services}}{\text{Population}} \right]$$



# 5 Basic services markers

These 5 basic services markers were agreed upon through expert and NSO consultations;



**Basic Drinking Water Services**  
(definition and standards based on SDG 6.1.1)



**Basic Sanitation Services**  
(definition and standards based on SDG 6.2.1)



**Basic Hygiene Facilities**  
(definition and standards based on SDG 6.2.1)

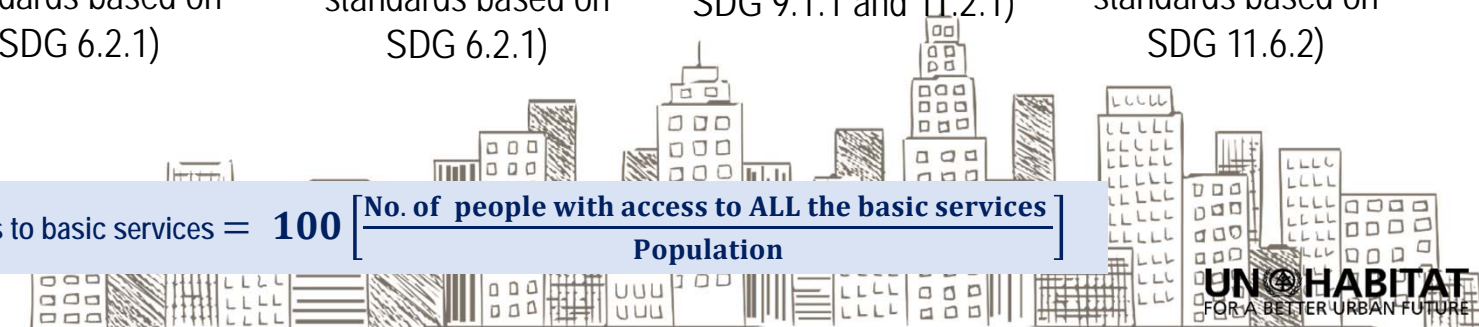


**Basic Mobility**  
(definition and standards based on SDG 9.1.1 and 11.2.1)



**Basic Waste Collection Services**  
(definition and standards based on SDG 11.6.2)

$$\text{Proportion of Population with access to basic services} = 100 \left[ \frac{\text{No. of people with access to ALL the basic services}}{\text{Population}} \right]$$



# Feedback from consultations

1<sup>st</sup> High level expert group discussion

2<sup>nd</sup> High level expert group meeting

UN Habitat with NSO

Global Surveys

NSO Consultants

Consultations and country level piloting with NSOs

- Refinements to the indicator methodology and a substantially updated Metadata document

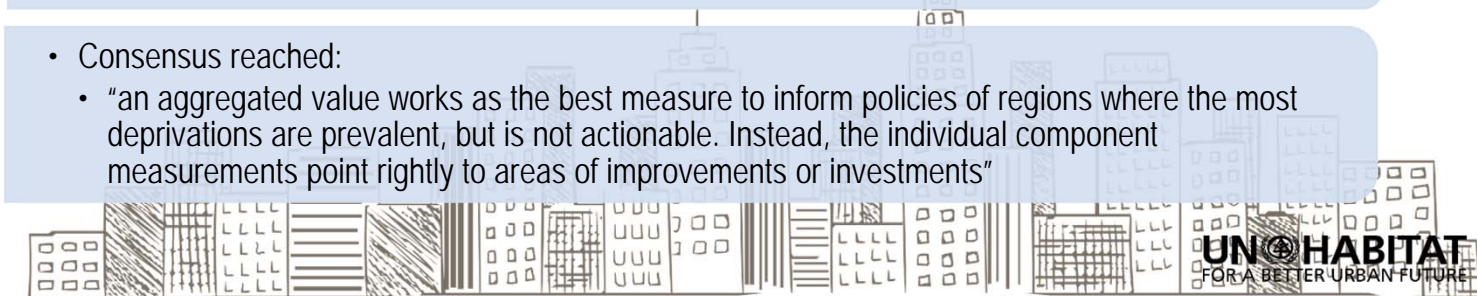
- Experts from various backgrounds and agencies met on a monthly basis and **refined the Metadata, until consensus was reached** in late May.

- **Computation of data points for relevant variables** for this indicator for several countries on a pilot basis.
- Results of the pilot studies and list of countries consulted that are regionally representative have been compiled into a database with 150 countries

- **80% of the indicator relevant questions are available** in major household survey programs such as LSMS and DHS, and MICS

- Confirmed that the **indicator data can be collected through global survey modules**, although some targeted technical assistance may be needed in the earlier stages

- Consensus reached:
  - “an aggregated value works as the best measure to inform policies of regions where the most deprivations are prevalent, but is not actionable. Instead, the individual component measurements point rightly to areas of improvements or investments”



# Selected countries with data for 1.4.1

		1.4.1- Access to Basic Services																									
Country	Type	Proportion of Population using Improved Water Supplies										Proportion of population using improved sanitation facilities (excluding shared)															
		Safely managed		Accessible on premises		Available when needed		Free from contamination		Piped		Non-piped		Safely managed		Disposed in situ		Emptied and treated		Wastewater treatment plants and other		Septic tanks		Sewer connections			
		2010	2015	2010	2015	2010	2015	2010	2015	2010	2015	2010	2015	2010	2015	2010	2015	2010	2015	2010	2015	2010	2015	2010	2015		
Algeria	National	-	-	77.51	81.07	-	-	-	-	78.06	76.53	19.63	22.14	19.88	19.14	7.24	5.87	0.00	0.00	12.63	13.28	4.14	3.91	10.35	7.83	72.07	75.75
Algeria	Rural	-	-	65.78	74.11	-	-	-	-	64.74	63.63	30.73	33.81	24.03	24.27	15.70	15.19	0.00	0.00	8.33	9.08	9.03	10.07	22.36	20.31	47.52	51.83
Algeria	Urban	-	-	83.15	83.95	82.26	82.62	-	-	84.47	81.88	14.29	17.31	17.73	16.89	2.96	1.80	0.00	0.00	14.78	15.08	1.66	1.22	4.25	2.39	84.33	86.07
Mexico	National	41.38	42.61	89.28	94.07	69.80	69.47	41.38	42.61	91.38	95.16	4.49	3.56	35.74	45.16	8.56	8.39	0.00	0.00	27.18	36.77	12.30	13.33	13.25	13.42	68.05	72.43
Mexico	Rural	-	-	73.20	81.93	60.36	60.73	-	-	77.50	85.24	11.17	10.03	-	-	-	-	-	-	10.69	15.90	1.42	0.71	31.57	36.08	26.76	31.33
Mexico	Urban	-	-	93.87	97.24	72.49	71.76	-	-	95.34	97.76	2.59	1.86	36.61	46.35	4.67	4.04	0.00	0.00	31.94	42.31	3.87	3.37	7.93	7.36	79.98	83.36
United States	National	98.99	99.02	99.17	99.20	98.99	99.02	99.06	99.08	98.66	98.70	0.52	0.50	89.35	89.50	9.26	9.00	0.00	0.00	80.08	80.50	0.00	0.00	18.52	17.99	81.45	81.98
United States	Rural	-	-	96.68	96.68	95.71	95.71	-	-	94.60	94.60	2.08	2.08	-	-	-	-	-	-	30.48	30.44	0.00	0.00	68.88	68.88	31.00	31.00
United States	Urban	99.65	99.65	99.77	99.77	99.77	99.77	99.65	99.65	99.62	99.62	0.14	0.14	95.16	95.04	3.27	3.27	0.00	0.00	91.89	91.78	0.00	0.00	6.53	6.53	93.46	93.46
Bangladesh	National	55.82	55.67	71.51	76.83	-	-	55.82	55.67	11.64	14.25	86.04	84.24	-	-	-	-	-	-	28.58	34.40	8.76	9.21	2.59	3.31	-	-
Bangladesh	Rural	60.74	61.44	68.08	74.39	-	-	60.74	61.44	1.36	1.89	95.82	96.40	26.48	32.11	26.42	32.06	0.00	0.00	0.05	0.05	30.62	37.21	5.07	6.10	0.11	0.10
Bangladesh	Urban	44.59	44.62	79.35	81.52	-	-	44.59	44.62	35.10	37.95	63.72	60.93	27.61	-	27.55	-	0.00	0.00	0.05	-	31.94	29.69	5.28	14.88	0.11	9.09
Iraq	National	-	-	70.60	70.51	55.48	69.23	-	-	80.13	82.06	11.06	13.10	28.84	31.94	12.61	14.91	0.00	0.00	16.22	17.03	34.78	40.19	37.04	33.30	24.14	25.34
Iraq	Rural	-	-	55.14	66.14	37.82	45.58	-	-	57.06	65.10	19.96	21.55	22.70	25.89	20.89	23.69	0.00	0.00	1.82	2.20	16.58	21.36	41.13	42.35	2.71	3.28
Iraq	Urban	-	-	77.54	72.43	63.40	79.62	-	-	90.47	89.52	7.07	9.39	31.86	34.93	9.31	11.53	0.00	0.00	22.55	23.40	22.12	27.02	35.26	29.41	33.56	34.83
Japan	National	96.98	97.19	96.98	97.19	-	-	98.73	98.95	97.54	97.79	1.19	1.15	99.60	99.80	0.13	0.04	-	-	72.06	77.75	-	-	18.09	18.27	72.17	77.93
Japan	Rural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Japan	Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.41	22.02	-	-	-	-	9.74	3.80	-	-	-
Singapore	National	100.00	100.00	100.00	100.00	-	-	100.00	100.00	100.00	100.00	0.00	0.00	###	100.00	0.00	0.00	0.00	0.00	100.00	100.00	-	-	-	-	100.00	100.00
Austria	National	98.40	98.69	99.79	99.79	98.84	98.84	98.40	98.69	-	-	-	-	96.78	96.78	3.21	3.19	0.00	0.00	93.57	93.59	1.15	1.15	5.26	5.24	93.57	93.59
Austria	Rural	-	-	-	-	99.40	99.40	-	-	-	-	-	-	92.16	92.16	7.84	7.84	0.00	0.00	84.33	84.33	0.27	0.27	15.40	15.40	84.33	84.33
Austria	Urban	-	-	-	-	98.55	98.55	-	-	-	-	-	-	99.17	99.16	0.81	0.80	0.00	0.00	98.36	98.36	1.61	1.59	0.00	0.00	98.36	98.36
Belgium	National	98.83	98.37	99.11	98.67	-	-	99.52	99.52	100.00	100.00	0.00	0.00	85.74	97.10	13.75	2.39	0.00	0.00	71.99	94.71	9.07	0.00	18.43	4.77	71.99	94.71
Belgium	Rural	-	-	98.13	97.20	-	-	-	-	100.00	100.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	Urban	-	-	99.13	98.70	-	-	-	-	100.00	100.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	National	96.01	96.74	96.75	96.74	-	-	96.01	97.57	100.00	100.00	0.00	0.00	93.21	93.21	4.76	4.76	-	-	88.44	88.44	-	-	9.52	9.52	90.08	90.08
Denmark	Rural	-	-	97.70	97.70	-	-	-	-	100.00	100.00	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	Urban	-	-	96.60	96.60	-	-	-	-	100.00	100.00	0.00	0.00	-	-	-	-	0.00	0.00	-	-	0.00	0.00	-	-	-	-
Australia	National	-	-	97.56	97.73	95.37	95.87	-	-	89.40	91.48	10.51	8.49	71.03	74.21	5.75	5.75	0.00	0.00	65.28	68.46	11.50	11.50	-	-	88.50	88.50
Australia	Rural	-	-	88.39	88.71	-	-	-	-	76.30	83.95	23.49	16.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia	Urban	98.71	98.80	98.71	98.80	-	-	99.83	99.87	91.04	92.37	8.88	7.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-





# Conclusions

- The **indicator methodology has been finalized**, in partnership with NSOs and other partners and disseminated for application globally
- **Data points were generated for select countries**, and a database containing relevant data from 150 countries has been compiled
- **Training modules on the methodology developed and disseminated** to all NSOs
- **Data collection for indicator will be possible through a variety of regular surveys**, availing up to date and disaggregated data more frequently
- The **concepts used in this indicator are based on other well developed indicators** which were endorsed by the IAEG-SDGs.





Thank You