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UIS database coverage for the 43 global and thematic indicators

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Outline

- Methodology used to calculate coverage rates
- Coverage by target and region
- Conclusions



Methodology used to calculate coverage rates

- The rate of coverage for each indicator is defined based on the number of countries in each region where an indicator has at least one available data point between 2010-2016.
- If an indicator has several components (e.g. levels of education), the rate of coverage is based on the combined rates of its components.
- This assessment is based on the latest UIS education data release of **June 2017**. The regional grouping is based on SDG regions (<https://unstats.un.org/sdgs/indicators/regional-groups/>).



Data coverage for Target 4.1 (primary and secondary education)

Regions\Indicators	4.1.1	4.1.2	4.1.3	4.1.4	4.1.5	4.1.6	4.1.7
Central and Southern Asia	5	43	86	57	86	93	100
Eastern and South-Eastern Asia	16	49	83	33	74	78	100
Latin America and the Caribbean	30	56	76	55	75	93	98
Northern Africa	17	42	83	67	56	75	100
Northern America and Europe	31	55	76	10	73	68	93
Oceania	4	36	76	0	76	85	97
Sub-Saharan Africa	25	42	94	71	63	84	97
Western Asia	27	45	92	17	85	86	100
World	24	48	83	39	73	82	97

Orange=assessments; Blue=administrative data; Green=HHS. Red=coverage rate < 35%.

- Good level of coverage in 5 out of 7 indicators
- 4.1.1: low coverage; but wide presence of national and international assessments with work plan to address comparability issues.

Data coverage for Target 4.2 (early childhood)

Regions\Indicators	4.2.1	4.2.2	4.2.3	4.2.4	4.2.5
Central and Southern Asia	36	57	50	86	100
Eastern and South-Eastern Asia	28	72	28	83	100
Latin America and the Caribbean	33	79	33	83	98
Northern Africa	33	50	56	83	100
Northern America and Europe	14	76	14	86	93
Oceania	0	71	0	86	97
Sub-Saharan Africa	38	67	38	89	97
Western Asia	33	78	33	87	100
World	27	72	28	86	97

Blue=administrative data; Green=HHS. Red=coverage rate < 35%.

- Indicators from administrative data with good coverage

Data coverage for Target 4.3 (TVET and higher education)

Regions\Indicators	4.3.1	4.3.2	4.3.3
Central and Southern Asia	0	100	79
Eastern and South-Eastern Asia	0	94	78
Latin America and the Caribbean	0	67	86
Northern Africa	0	83	33
Northern America and Europe	58	86	70
Oceania	0	35	82
Sub-Saharan Africa	0	83	50
Western Asia	11	83	78
World	15	79	70

→ AAE and PIAAC

Orange=assessments; Blue=administrative data. Red=coverage rate < 35%.

- Challenge of global indicator: possibilities expanding coverage on existing data sources?



Data coverage for Target 4.4 (skills for work)

Regions\Indicators	4.4.1	4.4.2	4.4.3
Central and Southern Asia	10	0	37
Eastern and South-Eastern Asia	4	17	46
Latin America and the Caribbean	2	2	50
Northern Africa	22	0	8
Northern America and Europe	63	24	69
Oceania	0	6	25
Sub-Saharan Africa	0	0	34
Western Asia	11	6	69
World	18	8	48

Orange=assessments; Green=HHS; UIS Survey based on HHS and population census.

Red=coverage rate < 35%.



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Data coverage for Target 4.5 (equity)

- Coverage for indicator **4.5.1** was assessed based on gender, location (rural/urban) and Socio-Economic Status. Rate of coverage is **30%** without big differences between regions.
- No data for indicators **4.5.2** (language) and **4.5.3** (formula-based policies for resources). Further development.
- Data for **4.5.4** (expenditure on education): collected annually by UIS, OECD and Eurostat. UIS working to improve the coverage of component on household expenditure on education by using available household surveys data. Data available for around 50% of countries.
- Data for **4.5.5** (education aid to least developed countries): compiled by the Development Assistance Committee (DAC) of OECD. Rate of coverage not currently assessed because the indicator is presented in UIS database by recipient country while it should be presented by donor country.



Data coverage for Target 4.6 (literacy and numeracy)

Regions\Indicators	4.6.1	4.6.2	4.6.3
Central and Southern Asia	4	79	0
Eastern and South-Eastern Asia	17	67	0
Latin America and the Caribbean	2	52	24
Northern Africa	0	50	0
Northern America and Europe	38	40	0
Oceania	6	24	0
Sub-Saharan Africa	1	77	0
Western Asia	11	72	0
World	13	57	5

Orange=assessments; Blue=administrative data; Green=UIS annual survey based on HHS and census data. Red=coverage rate < 35%.



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Target 4.7 (GCE and ESD)

The coverage of the target is nil as no data are currently available in UIS database for the coverage period (2010-2016). However:

- Data for indicator **4.7.1** are expected to be derived from a survey conducted by UNESCO in 2016 on the implementation of the 1974 Recommendation.
- UIS included in its 2017 data collection a variable to be able to produce indicator **4.7.2**. First results will be published in February 2018.
- No data for indicator **4.7.3**.
- **4.7.4**: some data in UIS database based on International Civic and Citizenship Education Study (ICCS) of (IEA). But these data refer to 2009 which is too old to be considered in this coverage assessment.
- **4.7.5**, some data in UIS database from PISA 2006 but these data are too old to be considered in the coverage study.
- None of these indicators were targeted to report in 2017



Data coverage for Target 4.a (school environment)

Regions\Indicators	4.a.1	4.a.2	4.a.3
Central and Southern Asia	20	14	0
Eastern and South-Eastern Asia	29	44	0
Latin America and the Caribbean	30	33	0
Northern Africa	36	50	0
Northern America and Europe	0	0	0
Oceania	1	65	0
Sub-Saharan Africa	37	15	0
Western Asia	24	33	0
World	21	24	0

Blue=administrative data; Green=School-based survey. Red=coverage rate < 35%.

- UIS modified Survey of Formal Education 2017 to obtain the data for 4.a.1 from all regions; increase in the coverage expected in the years coming.
- Data for indicator 4.a.2 component on bullying are based on national surveys conducted under the World Health Organization (WHO)



Target 4.b (scholarships, by 2020)

- Indication **4.b.1**: Data are compiled by the Development Assistance Committee (DAC) of the Organization for Economic Co-operation and Development (OECD). OECD is the custodian agency for the indicator. The coverage of the indicator is **70% ***.
- No data for indicator **4.b.2**.

* Data coverage of the indicator should ideally be assessed from two perspectives: coverage of donor's countries and coverage for recipient countries. Based on the latest data compiled by the OECD and assuming all recipient countries are covered by this database, the rate of coverage for recipients countries is high for all regions as said above. But from the donor perspective, data from 7 OECD countries are not included for the most recent year (2015), which impacts the amount for each recipient country and the rate of coverage. Moreover, the rate of coverage above should be interpreted with great caution because data on important non-OECD donors might not be covered by the CRS database.



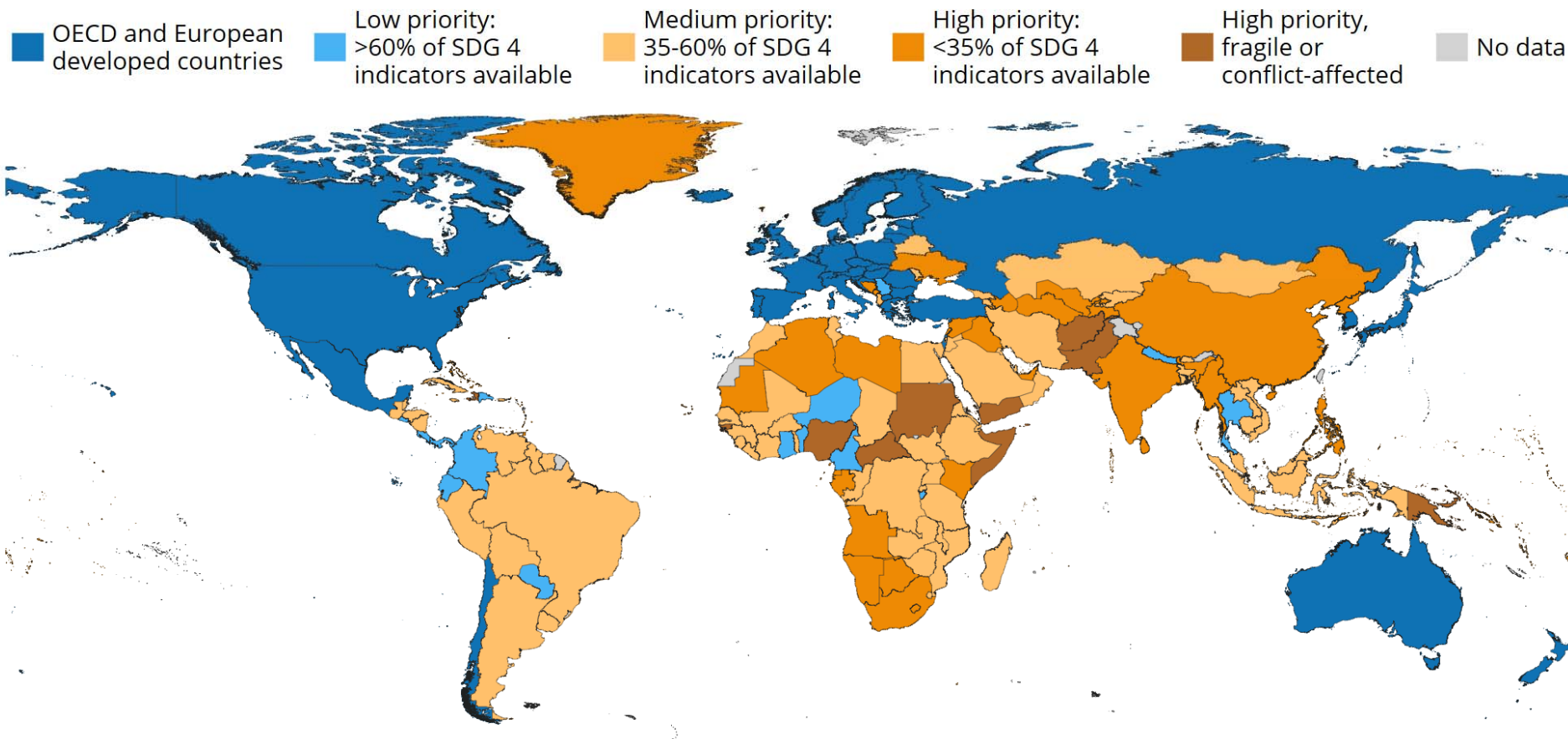
Data coverage for Target 4.c (teachers)

Regions\Indicators	4.c.1	4.c.2	4.c.3	4.c.4	4.c.5	4.c.6	4.c.7
Central and Southern Asia	51	51	48	49	0	0	0
Eastern and South-Eastern Asia	44	44	44	42	0	0	0
Latin America and the Caribbean	61	61	41	39	0	0	0
Northern Africa	47	40	36	30	0	11	0
Northern America and Europe	14	11	13	12	0	0	0
Oceania	42	45	43	40	0	0	0
Sub-Saharan Africa	59	60	49	53	0	24	0
Western Asia	48	43	40	37	0	0	0
World	44	44	37	36	0	6	0

Blue=administrative data. Red=coverage rate < 35%.

- UIS modified Survey of Formal Education 2017 to obtain the data for 4.c.5, 4.c.6 and 4.c.7; increase in the coverage expected in the years coming.

Average data availability for SDG 4 indicators: global picture



Note: The depiction and use of boundaries and related data shown on this map are not warranted to be error free nor do they necessarily imply official endorsement or acceptance by UNESCO.

Source: UNESCO Institute for Statistics database.



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Conclusions

- UIS and partners efforts have contributed to improve substantially the coverage of the SDG indicators since the beginning of monitoring the agenda in 2016.
- Coverage is still low for many indicators but different situations in terms of short-term perspectives: review state of development and implementation.
- Six targets where more than half of their indicators have coverage lower than 40%: 4.4, 4.5, 4.6, **4.7**, 4.a and 4.c. Therefore, those areas are priority to assess possibilities for indicator dropping and adding new ones to improve monitoring capacity of the indicator framework.

