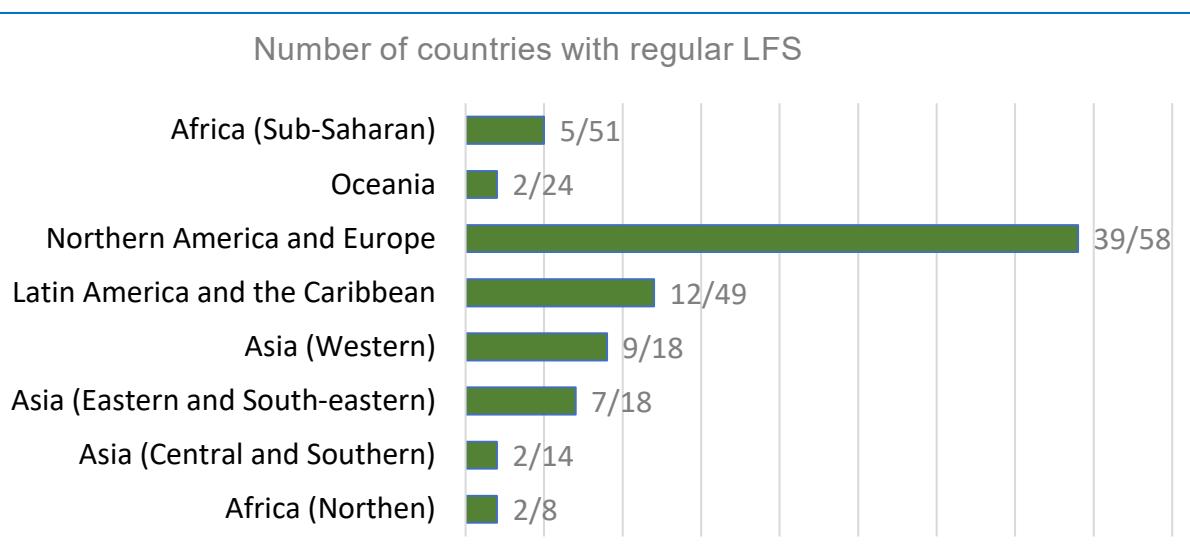


The potential use of LFS data to
increase the coverage of SDG 4.3.1

Over the period 2010-2021:

- 165 out of 240 countries conduct/conducted at least one Labour Force Survey (LFS).
- 78 countries carry out LFS regularly (either continuously, quarterly, or annually). This number includes some countries with non-consecutive survey years.
- 24 countries continue using ISCED-97 in their LFS but have ISCED mapping in the UIS webpage.



Countries using ISCED-97 in their LFS

- | | |
|------------------|-------------------------------|
| • Algeria | • Guatemala |
| • Argentina | • India |
| • Cayman Islands | • Jamaica |
| • Colombia | • Japan |
| • Costa Rica | • Macau, China |
| • Cuba | • Moldova, Republic of |
| • Ecuador | • Nauru (to be verified) |
| • El Salvador | • Paraguay |
| • Gabon | • Russian Federation |
| • Singapore | • Saint Lucia |
| • Suriname | • United Republic of Tanzania |
| • Uruguay | • Thailand |

SDG 4.3.1: Participation rate of youth and adults in formal and non-formal education and training in the last 12 months, by sex.

Following the discussions of TCG4 and TCG5 for SDG4.3.1, Labour Force Surveys provide the most comprehensive data source for this indicator. Therefore, it is needed to increase the coverage of countries that can potentially use their LFS data.

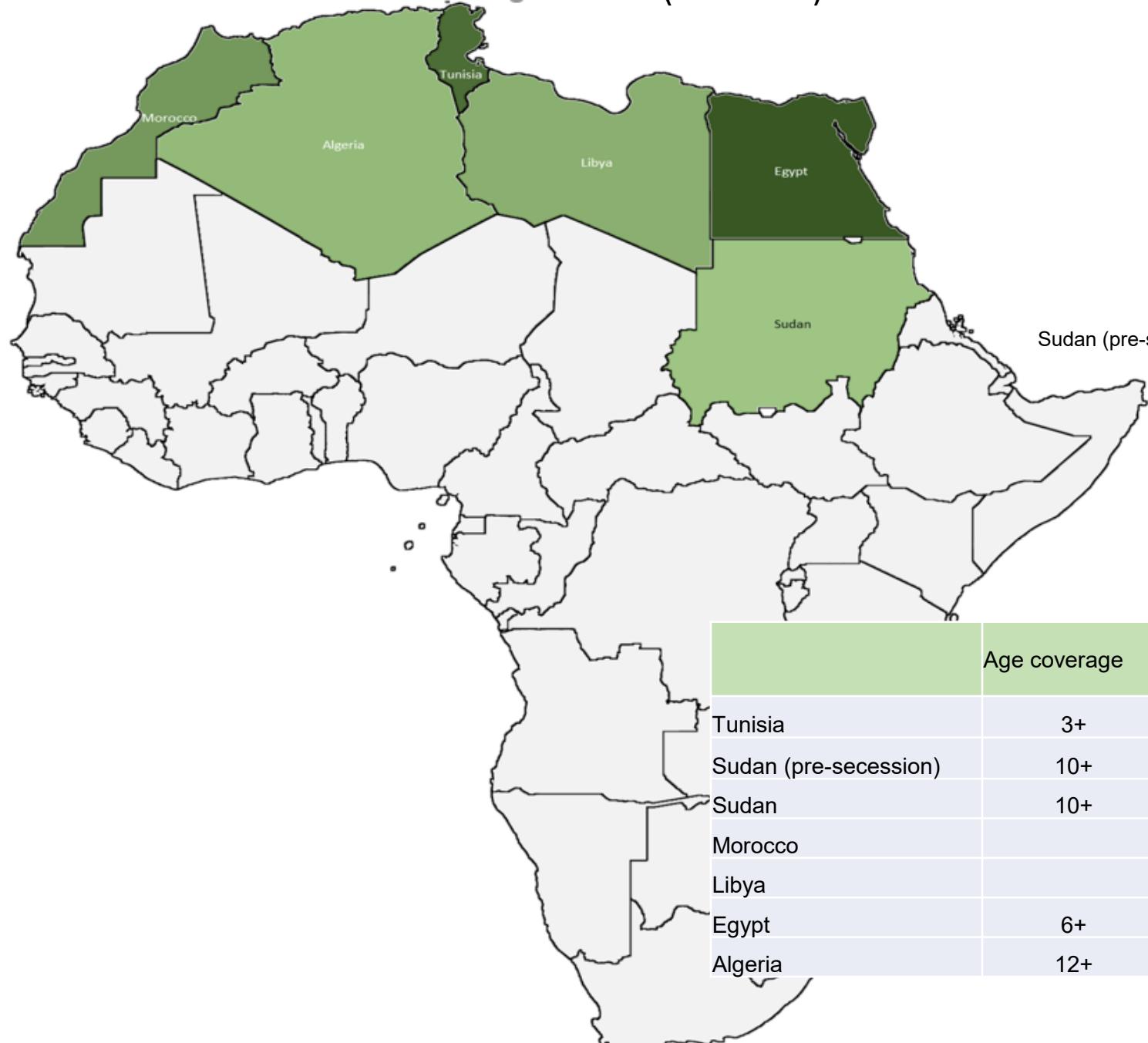
In the subsequent slides are presented:

- LFS Geographical coverage
- LFS utilization and underutilization for the calculation of SDG 4.3.1
- Methodological differences observed for each country.

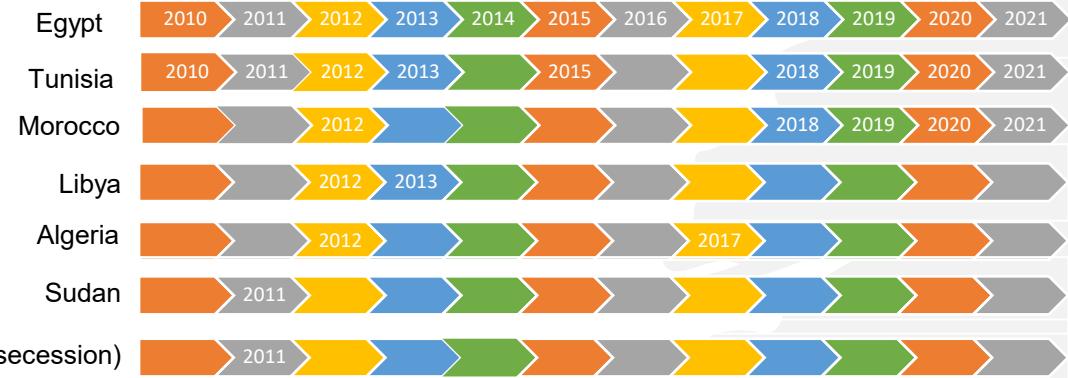
For some countries it was not possible to access their LFS questionnaires.

In the inventory of countries' LFS-es are included the last available LFS questionnaires. That is, the questionnaire year does not mean that it was the last year a given country carried out the LFS.

Africa (Northern) 2010-2021



Years in which countries have collected LFS data



Under covered in terms of time series data:

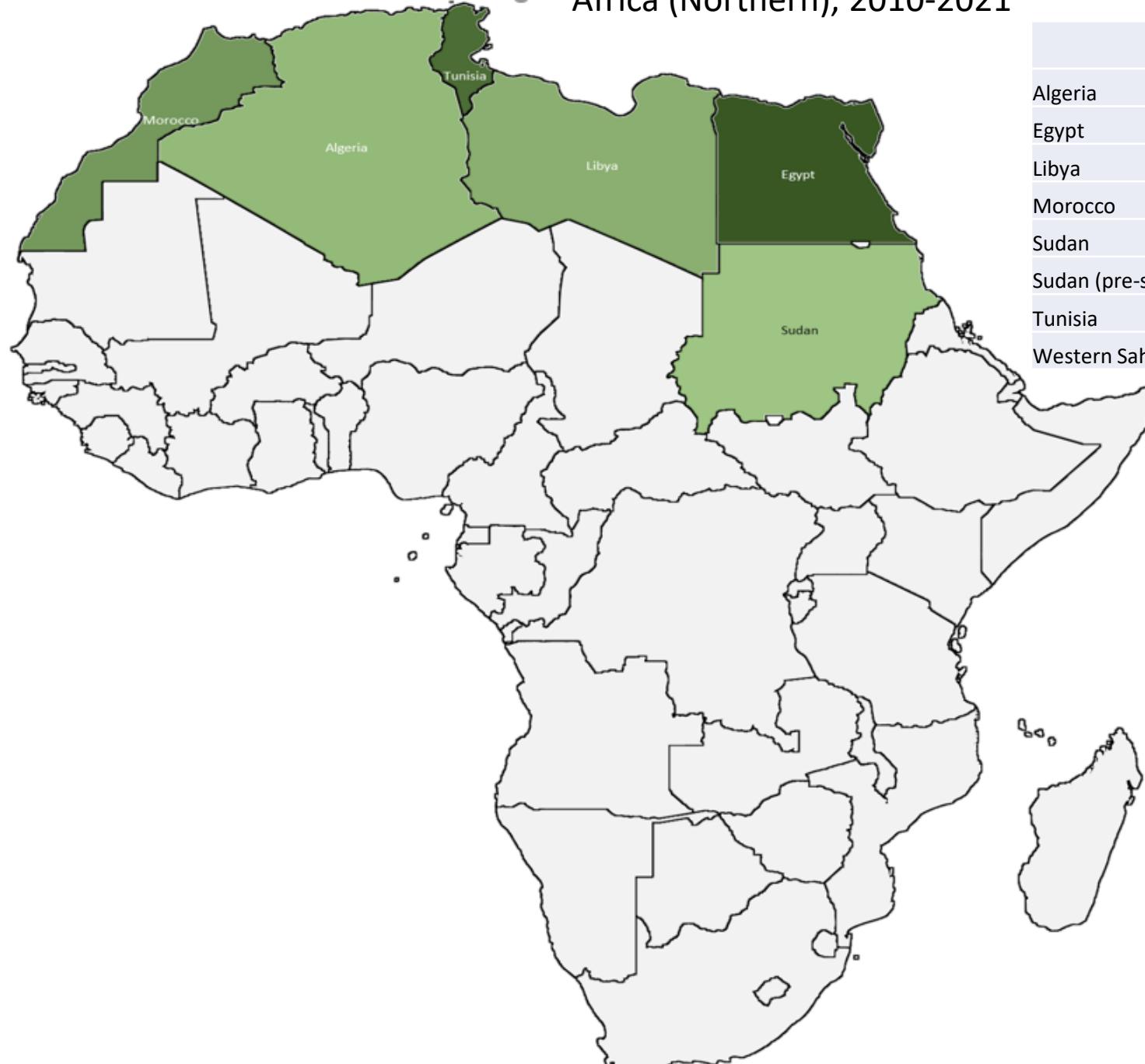
Sudan

Libya

Algeria

	Age coverage	Literacy	Attendance	Attending Formal Education	Attending non formal Education
Tunisia	3+	+	+	-	-
Sudan (pre-secession)	10+	+	+	-	-
Sudan	10+	+	+	-	-
Morocco					
Libya					
Egypt	6+	+	+	-	-
Algeria	12+	+	+	-	-

Africa (Northern), 2010-2021

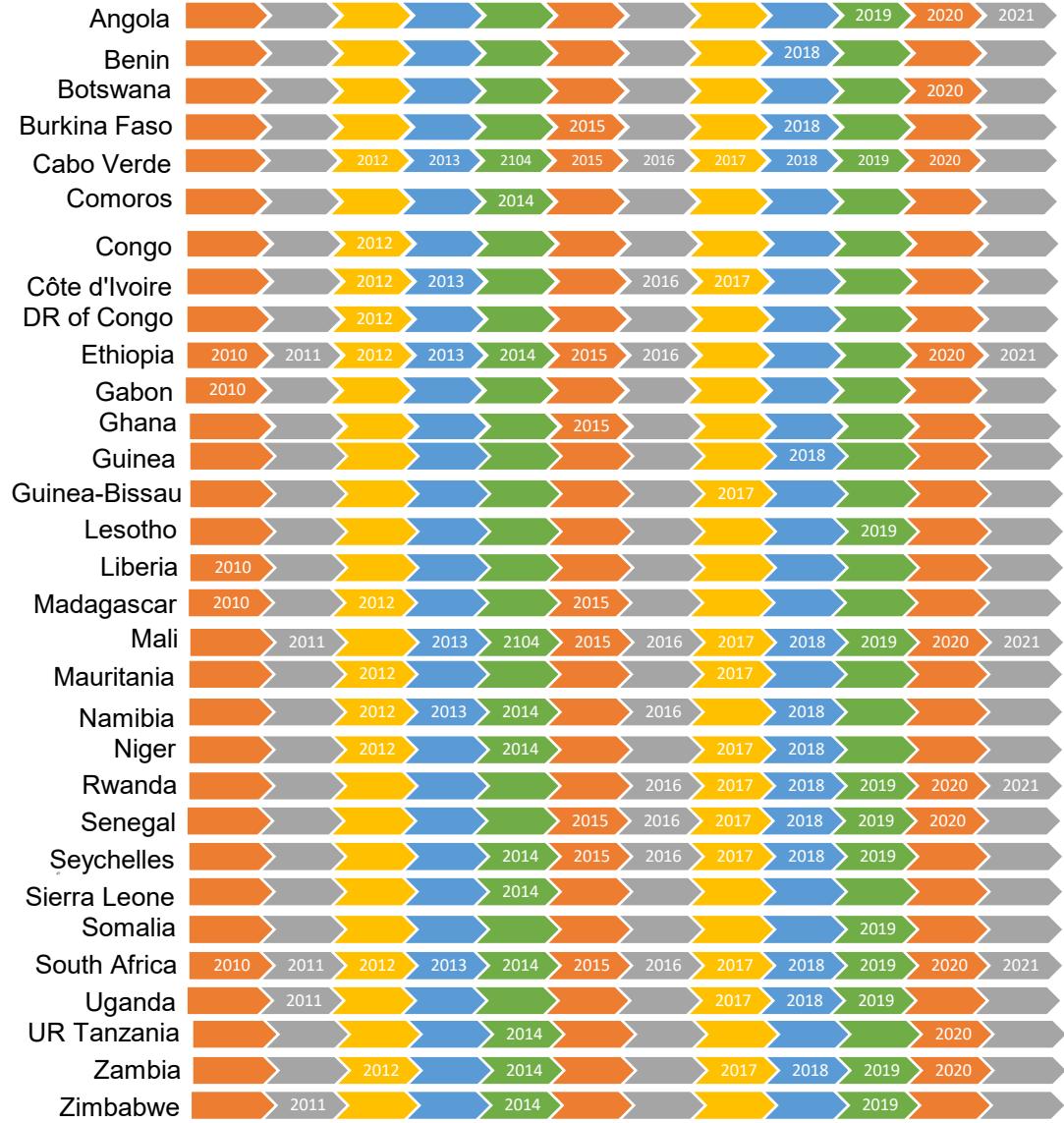
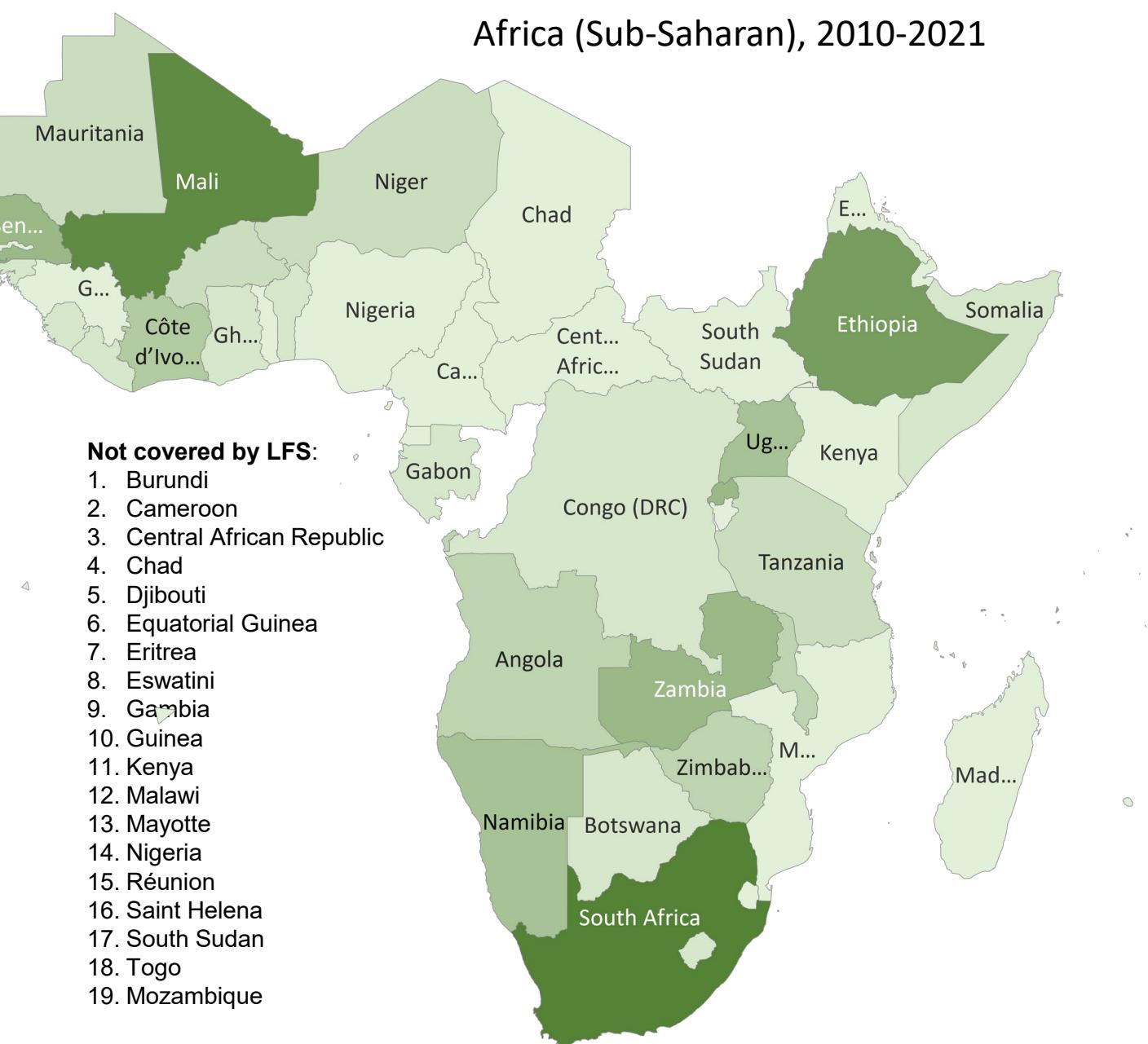


	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Algeria												
Egypt	+	+	+	+	+	+	+	+				
Libya												
Morocco												
Sudan			+									
Sudan (pre-secession)												
Tunisia	+											
Western Sahara												

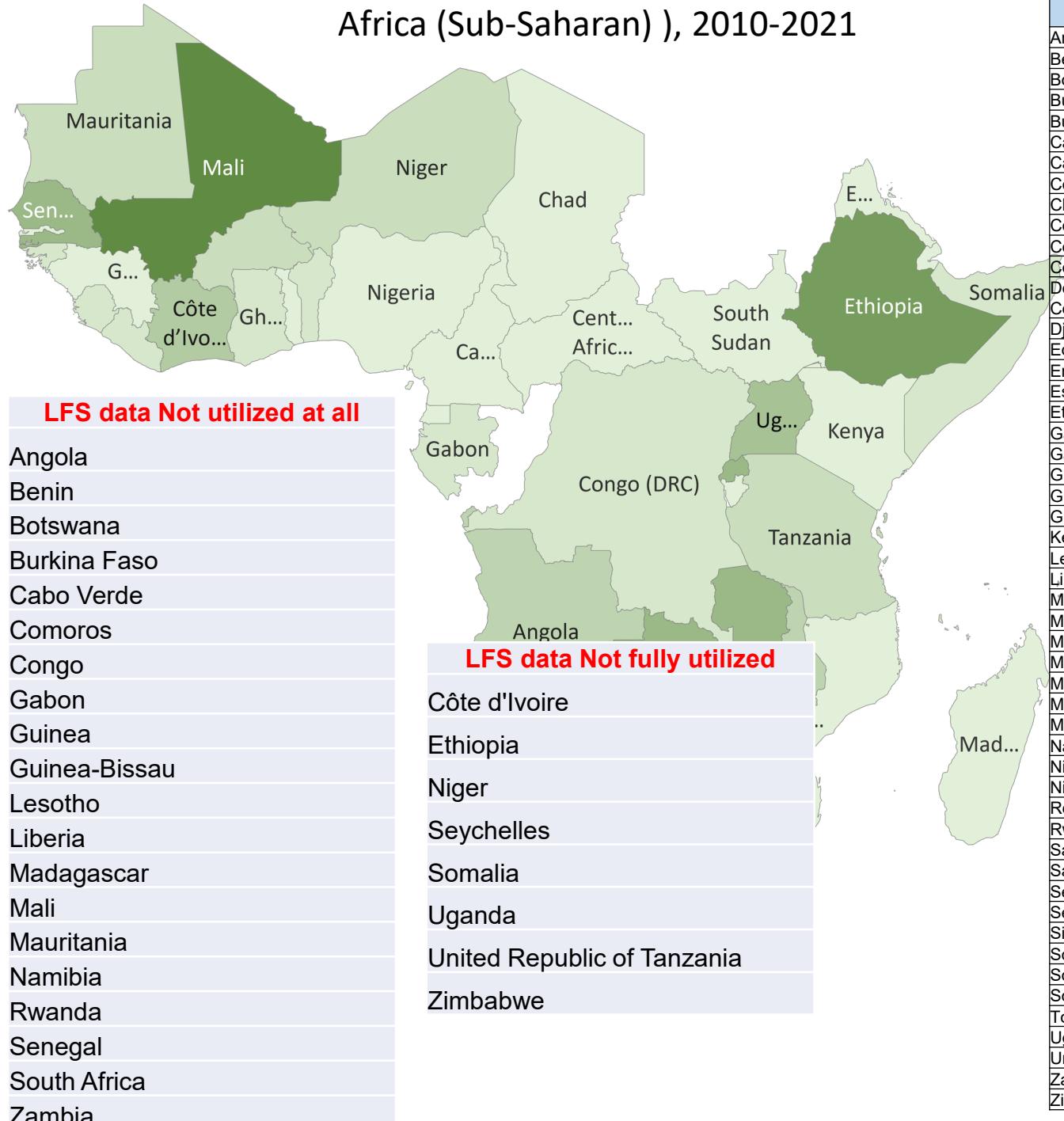
- Green boxes show countries with LFS for each year during the period 2010 – 2021.
- The plus sign (+) in green boxes shows that LFS has been used as a source for SDG 4.3.1 indicator (retrieved from UIS dashboards).
- Unfilled boxes show the lack of LFS.

- In UIS database, the SGD 4.3.1 indicator is available only for 3 out of 8 countries of Northern Africa.
 1. LFS not fully utilized for Tunisia and Egypt.
 2. LFS not utilized at all for Algeria, Libya, Morocco.

Africa (Sub-Saharan), 2010-2021



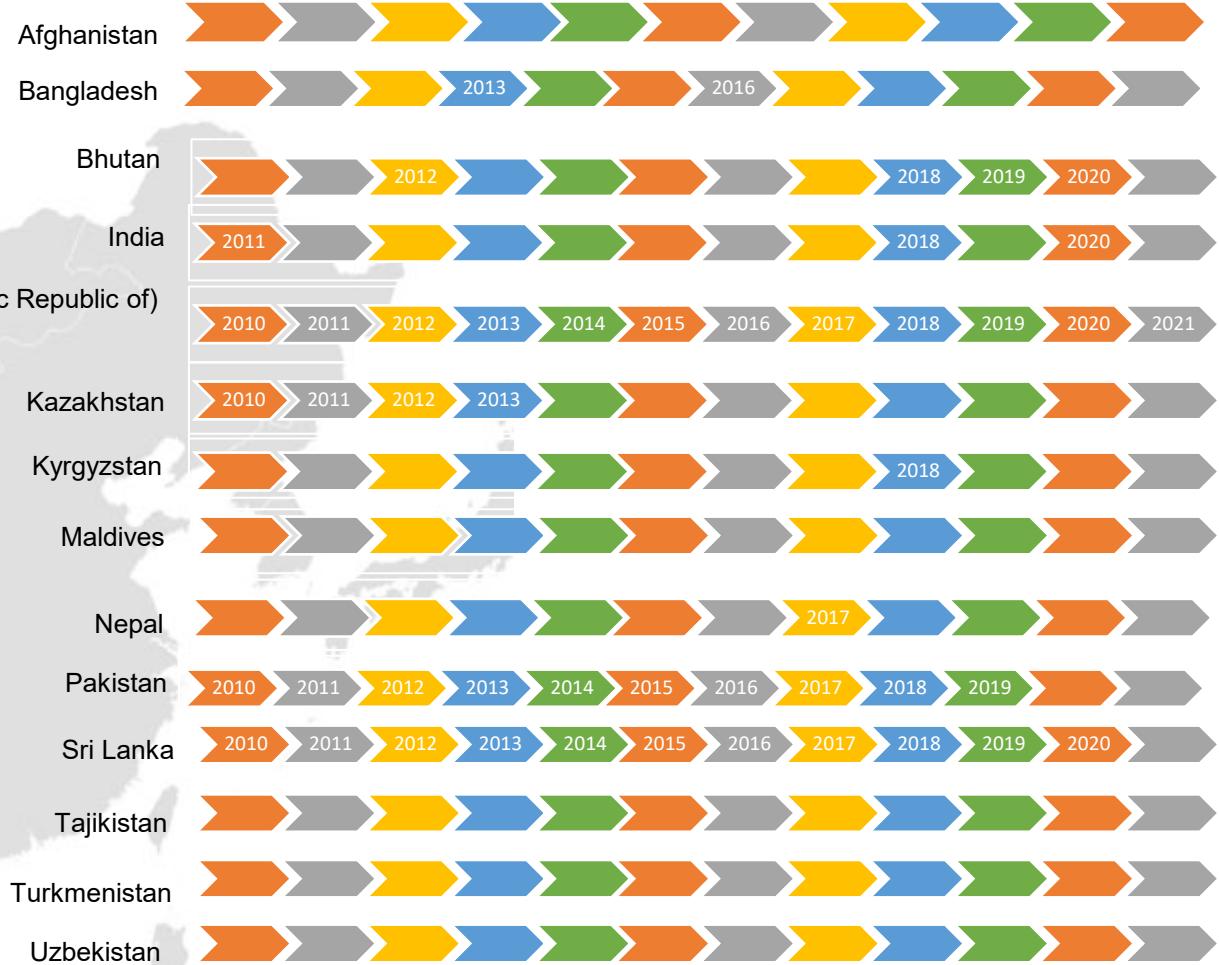
Africa (Sub-Saharan)), 2010-2021



SGD: Africa (Sub-Saharan)

	Age coverage	Literacy	Attendance	Attending Formal Education	Attending non formal Education
Angola	5+	-	+	+	-
Benin	3+	+	+	+	-
Comoros		+	+		
Congo	3+	+	+	-	-
Democratic Republic of the Congo	3+	+	+	-	-
Ethiopia	5+	+	+	-	-
Ghana	3+	+	+	-	-
Liberia	15+	+	+	-	-
Malawi	5+	+	+	+	-
Mali	not clear	+	+	-	-
Mauritania	6+	+	+		
Mauritius	all	+	+	-	-
Namibia	6+	+	+	-	-
Rwanda	14+	+	+	-	-
Senegal	10+	+	+	-	-
Seychelles	15+	-	+	-	-
Sierra Leone	5+	+	+	-	-
Somalia	0+	+	+		
South Africa	15+	-	+	-	-
Uganda	5+	-	+	-	-
Zambia	5+	+	+	-	-
Zimbabwe	3+	-	+	-	-

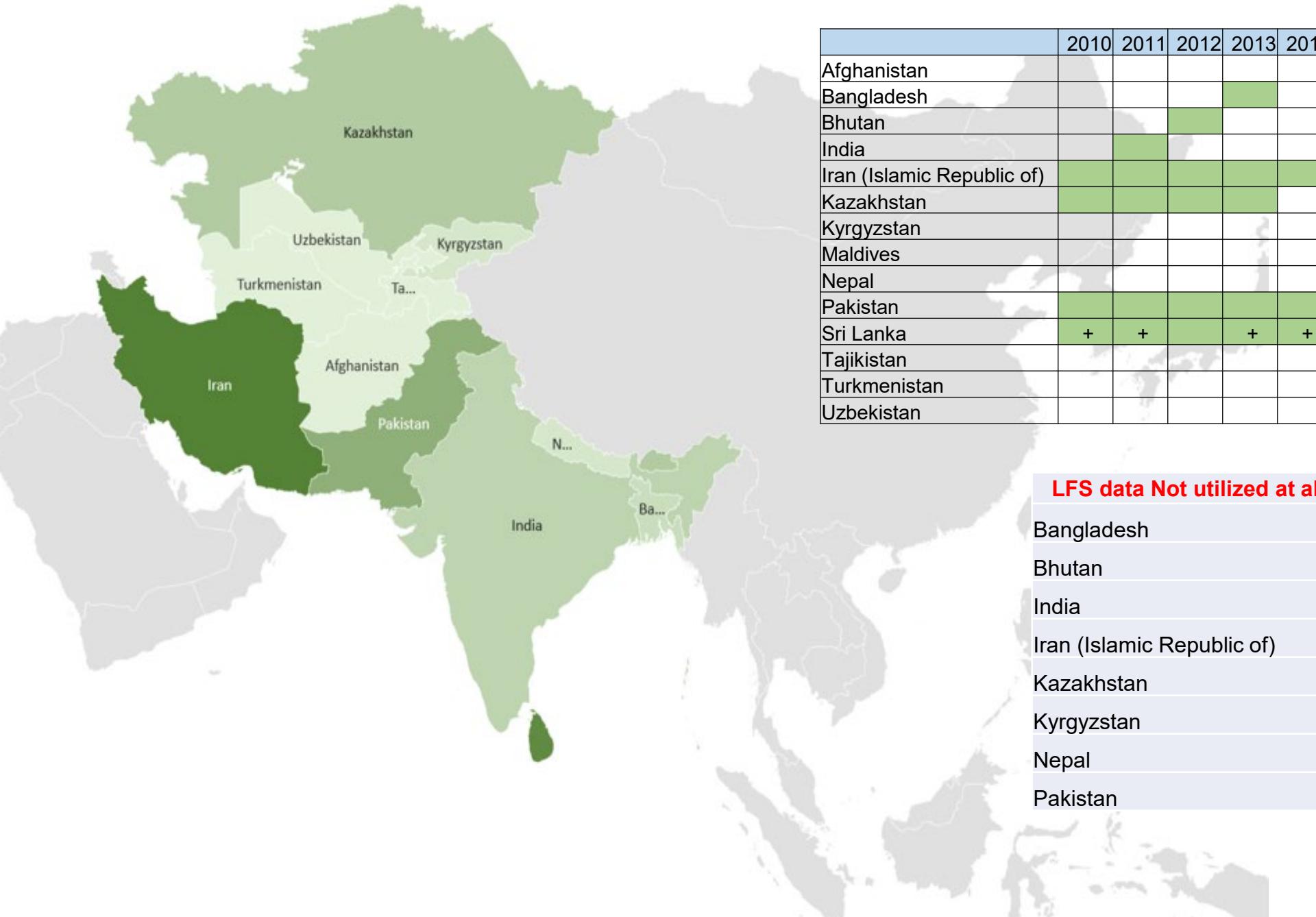
Asia (Central and Southern), 2010-2021



	Age coverage	Literacy	Attendance	Attending Formal Education	Attending non formal Education
Afghanistan	6+	+	+	-	-
Bangladesh	5+	+	+	-	-
Bhutan	3+	+	+	-	-
India	0+	-	+	-	-
Nepal	14+	+	+	-	-
Pakistan	0+	+	+	-	-
Sri Lanka	5+	+	+	-	-

Under covered:
 Afghanistan
 Tajikistan
 Turkmenistan
 Uzbekistan
 Maldives
 Nepal
 Kyrgyzstan
 Kazakhstan

Asia (Central and Southern), 2010-2021



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Afghanistan												
Bangladesh				#90EE90			#90EE90					
Bhutan			#90EE90									
India		#90EE90										
Iran (Islamic Republic of)												
Kazakhstan								+				
Kyrgyzstan									#90EE90			
Maldives							+					
Nepal								#90EE90				
Pakistan		#90EE90	#90EE90	#90EE90	#90EE90	#90EE90	#90EE90		#90EE90	#90EE90		
Sri Lanka	+	+		+	+	+	+					
Tajikistan												
Turkmenistan												
Uzbekistan												

LFS data Not utilized at all

Bangladesh
Bhutan
India
Iran (Islamic Republic of)
Kazakhstan
Kyrgyzstan
Nepal
Pakistan

LFS data Not fully utilized

Sri Lanka



Asia (Eastern and South-eastern)), 2010-2021



	Age coverage	Literacy	Attendance	Attending Formal Education	Attending non formal Education
Brunei Darussalam	15+	0	+	-	-
Cambodia	5+	0	+	-	-
Indonesia	5+	0	+	-	-
Japan	15+	0	+	-	-
Lao People's Democratic Republic	5+	+	+	-	-
Malaysia	15+	+	+	-	-
Mongolia	15+	+	+	-	-
Myanmar	5+	+	+	-	-
Philippines	5+	0	+	-	-
Republic of Korea	15+	0	+	-	-
Thailand	15+	0	+	-	-
Timor-Leste		+	+	-	-
Viet Nam	15+	0	+	-	-

Not covered by LFS

China

China, Hong Kong Special Administrative Region

China, Macao Special Administrative Region



Asia (Eastern and South-eastern)), 2010-2021

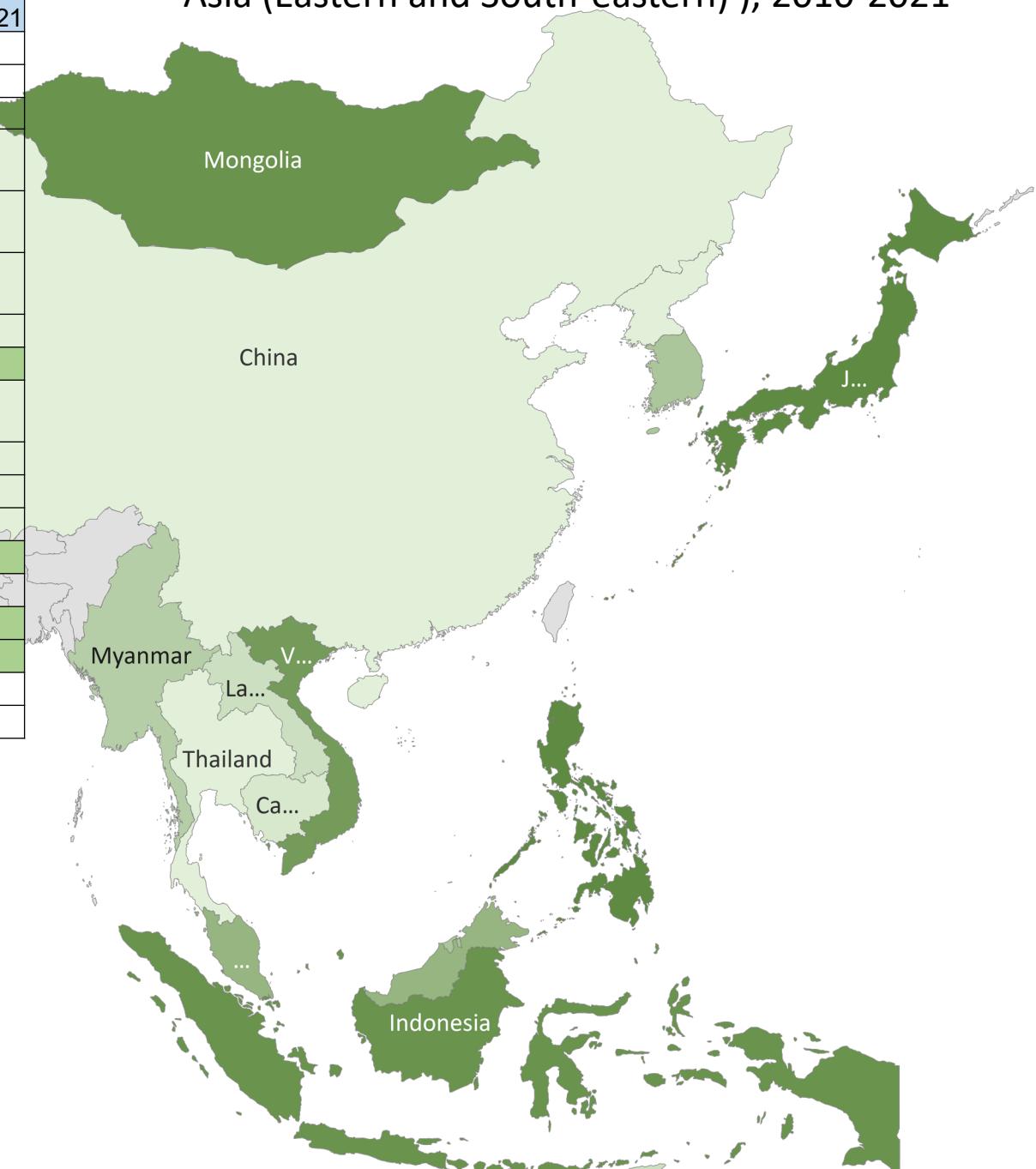
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Brunei Darussalam					+							
Cambodia	+		+									
China												
China, Hong Kong Special Administrative Region												
China, Macao Special Administrative Region												
Democratic People's Republic of Korea												
Indonesia	+	+	+	+	+							
Japan			+									
Lao People's Democratic Republic								+				
Malaysia												
Mongolia	+	+	+					+				
Myanmar					+			+				
Philippines												
Republic of Korea												
Singapore						+						
Thailand				+				+				
Timor-Leste	+				+							
Viet Nam				+	+	+	+	+				

LFS data Not fully utilized

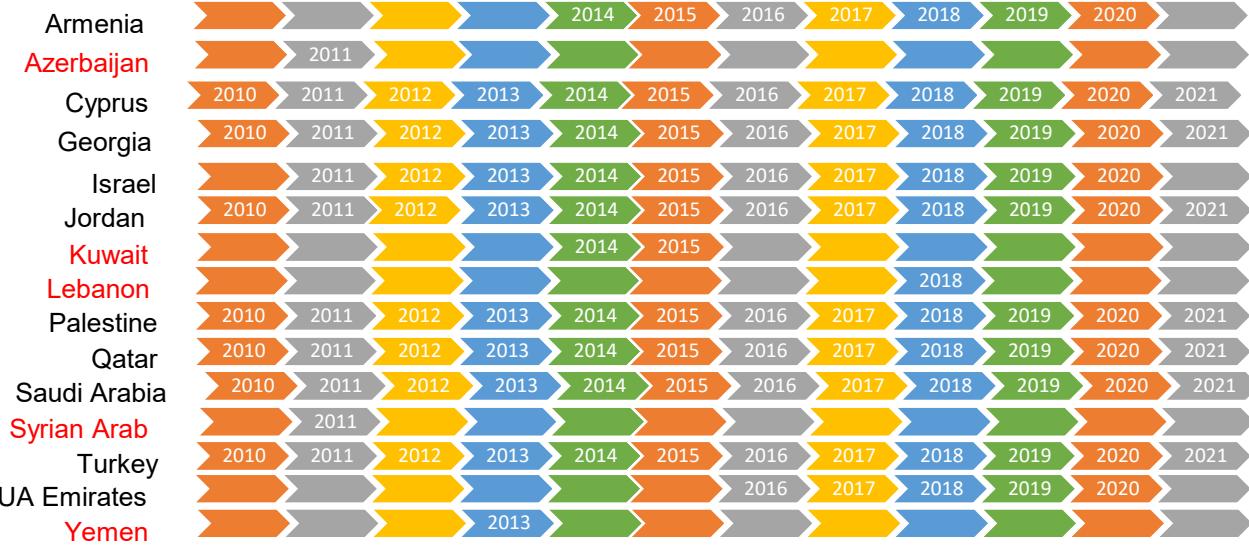
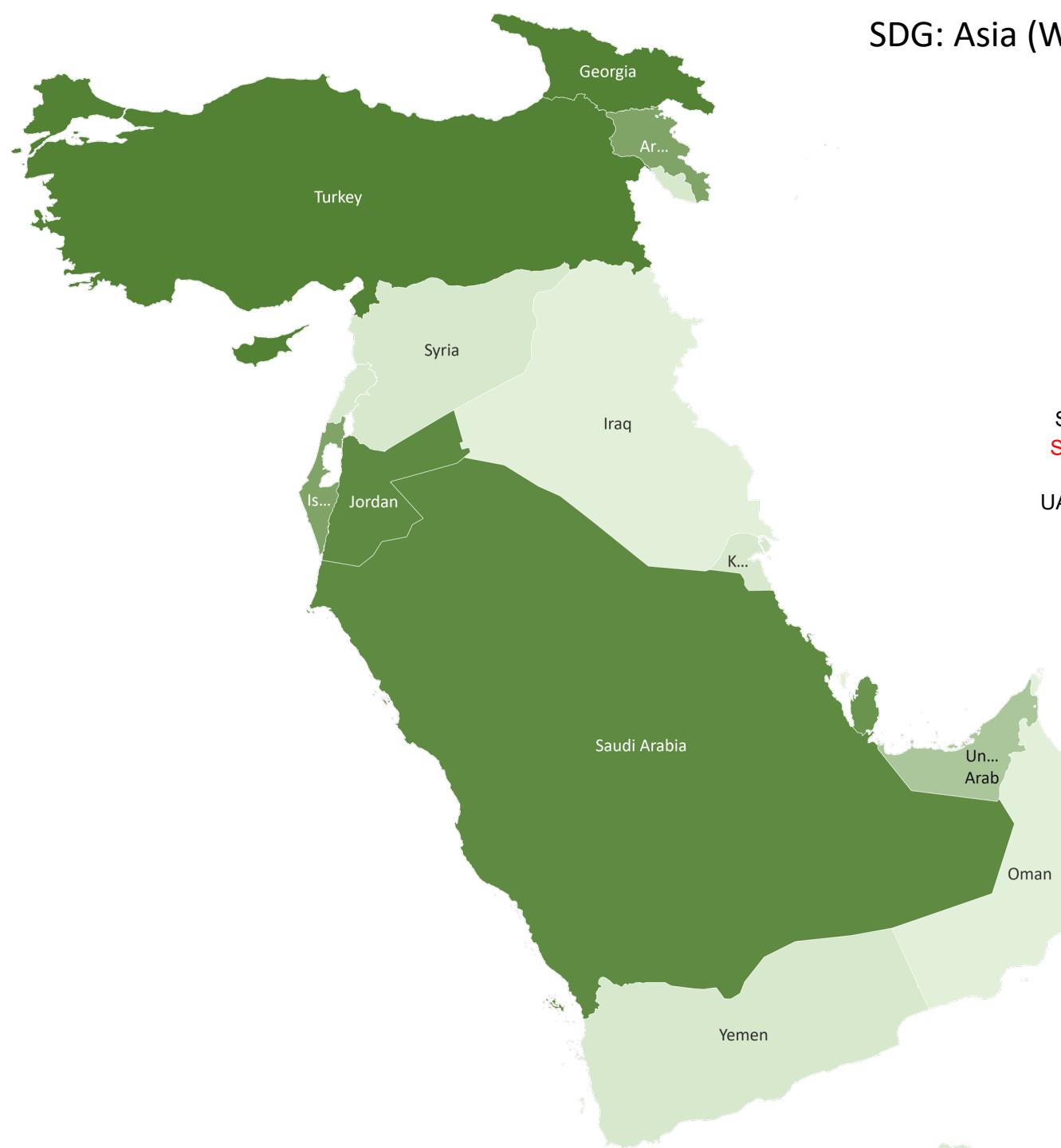
Brunei Darussalam
Cambodia
Indonesia
Lao People's Democratic Republic
Mongolia
Myanmar
Thailand
Timor-Leste
Viet Nam

LFS data Not utilized at all

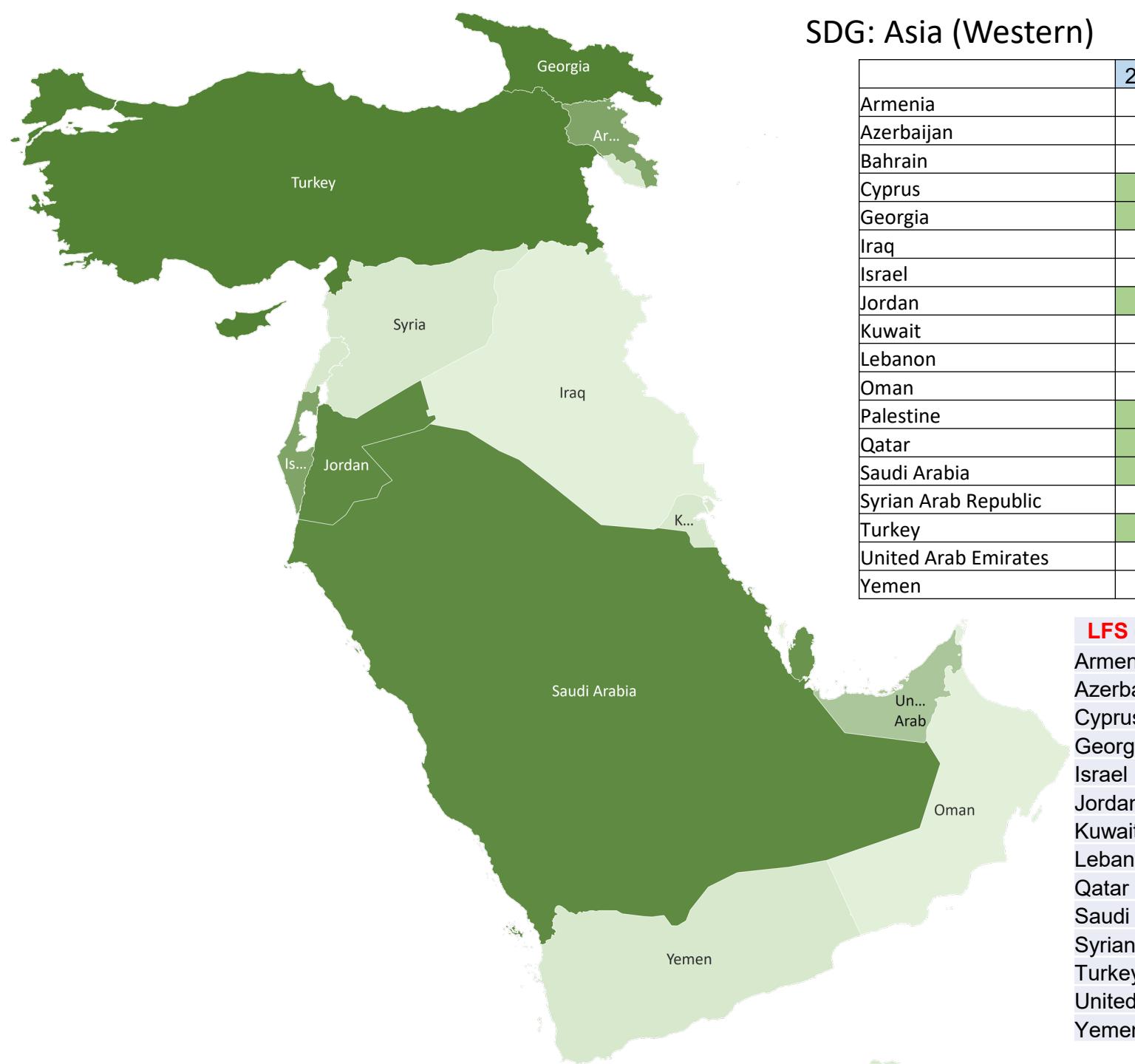
Japan
Malaysia
Philippines
Republic of Korea
Singapore



SDG: Asia (Western)



	Age coverage	Literacy	Attendance	Attending Formal Education	Attending non formal Education
Armenia	6+	+	+	-	-
Bahrain	5+	+	+	+	-
Cyprus	15+	-	+	+	+
Georgia	15+	+	+	+	+
Israel	15+	-	+	-	-
Lebanon	3+	+	+	-	-
Palestine	10+	+	+	-	-
Saudi Arabia	15+	-	+	+	+
Turkey	5+	+	+	+	+
United Arab Emirates	3+	+	+	-	-
Yemen	5+	+	+	-	+



SDG: Asia (Western)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Armenia												
Azerbaijan		+										
Bahrain												
Cyprus	+						+					
Georgia							+					
Iraq			+									
Israel						+						
Jordan												
Kuwait												
Lebanon									+			
Oman												
Palestine				+	+	+	+	+	+	+	+	
Qatar												
Saudi Arabia												
Syrian Arab Republic												
Turkey	+						+	+				
United Arab Emirates												
Yemen					+							

LFS data Not utilized at all

Armenia

Azerbaijan

Cyprus

Georgia

Israel

Jordan

Kuwait

Lebanon

Qatar

Saudi Arabia

Syrian Arab Republic

Turkey

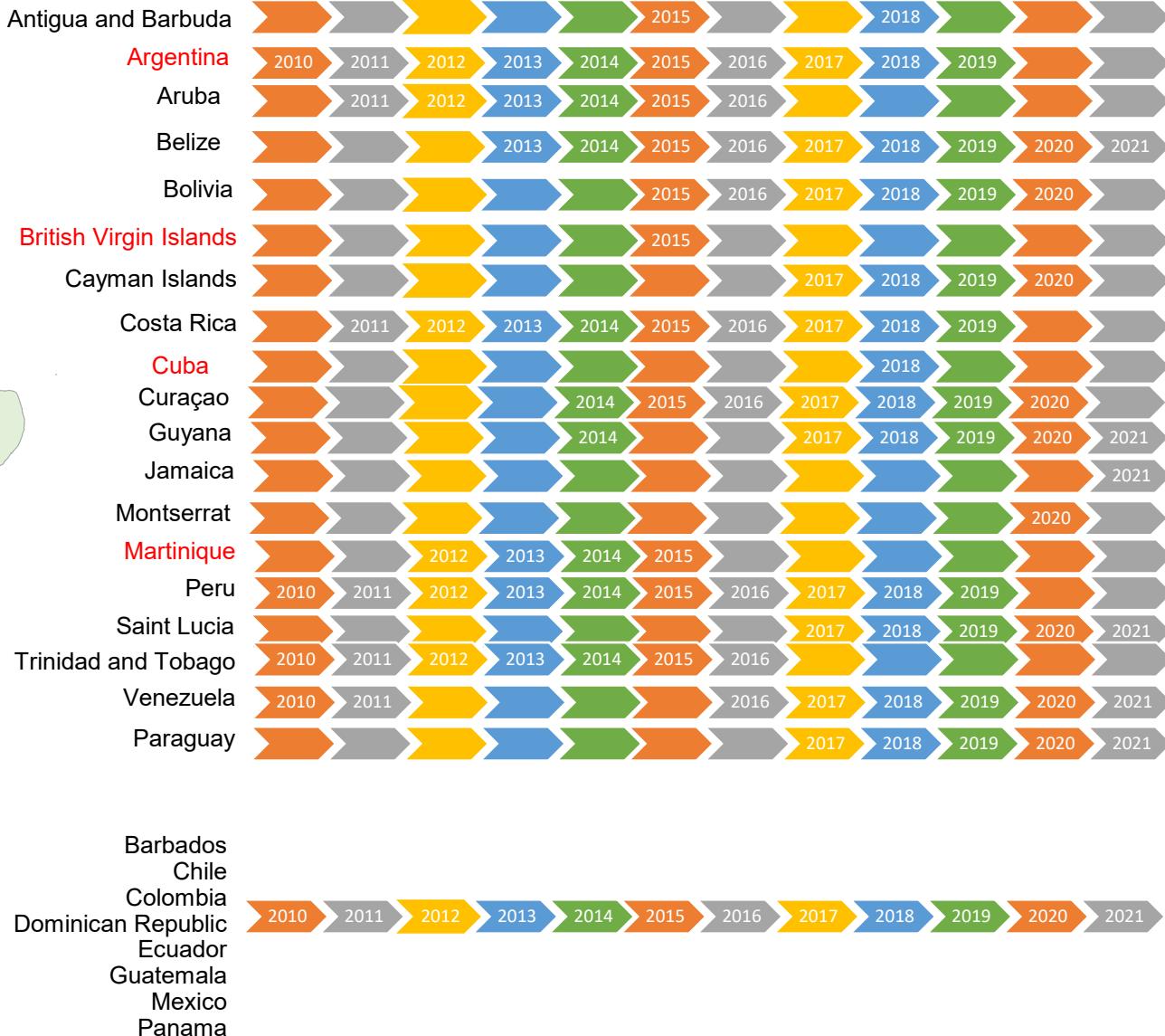
United Arab Emirates

Yemen

LFS data Not fully utilized

Palestine

SDG: Latin America and the Caribbean



SDG: Latin America and the Caribbean

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Honduras	+	+	+	+	+	+	+	+				
Jamaica												+
Martinique												
Mexico								+				
Montserrat												
Nicaragua				+		+						
Panama	+	+	+						+			
Paraguay	+		+									
Peru	+	+	+	+	+	+	+	+				
Puerto Rico												
Saint Kitts and Nevis												
Saint Lucia												
Saint Vincent and the Grenadines												
Saint-Barthélemy												
Saint-Martin (French part)												
Sint Maarten (Dutch part)												
Suriname												
Trinidad and Tobago												
Turks and Caicos Islands												
United States Virgin Islands												
Uruguay	+							+	+			
Venezuela (Bolivarian Republic of)	+	+	+									

Not fully utilized

Argentina
Belize
Dominican Republic
Ecuador
Guatemala
Guyana
Panama
Paraguay
Venezuela (Bolivarian Republic of)

Not utilized at all

Antigua and Barbuda
Aruba
Barbados
Bolivia (Plurinational State of)
British Virgin Islands
Cayman Islands
Chile
Colombia

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Anguilla												
Antigua and Barbuda												
Argentina	+	+	+	+	+							
Aruba												
Bahamas												
Barbados												
Belize						+						
Bolivia (Plurinational State of)												
Brazil												
British Virgin Islands												
Cayman Islands												
Chile								+				
Colombia												
Costa Rica												
Cuba												
Curaçao												
Dominica												
Dominican Republic	+	+	+	+	+	+	+	+	+			
Ecuador	+	+	+	+	+	+	+	+	+	+		
El Salvador	+	+	+	+	+	+						
Falkland Islands (Malvinas)												
French Guiana												
Grenada												
Guadeloupe												
Guatemala	+	+	+	+					+	+		
Guyana										+		
Haiti												

Not utilized at all

Costa Rica
Cuba
Curaçao
Jamaica
Martinique
Mexico
Montserrat
Peru
Saint Lucia
Trinidad and Tobago



This box shows that country has LFS in that year but has used another source for the calculation of SDG 4.3.1

SDG: Latin America and the Caribbean

	Age coverage	Literacy	Attendance	Attending Formal Education	Attending non formal Education
Argentina	3+	+	+	-	-
Bolivia (Plurinational State of)	10+	+	+	-	-
Chile	15+	-	+	-	-
Colombia	3+	+	+	-	-
Dominican Republic	3+	+	+	-	-
Ecuador	5+	+	+	-	-
Guatemala	7+	+	+	+	-
Mexico	5+	+	+	-	-
Panama	4+	-	+	-	-
Paraguay	5+	+	+	-	-
Peru	5+	-	+	-	-
Venezuela (Bolivarian Republic of)	3+	+	+	-	-
Antigua and Barbuda	15+	-	+	+	-
Barbados	15+	-	+	-	-
Belize	14+	-	-	-	-
Cayman Islands	15+	-	+	-	-
Costa Rica	15+	-	+	-	-
Guyana	15+	-	+	-	-
Jamaica	14+	-	+	-	-
Montserrat	15+	-	+	-	-
Saint Lucia	15+	-	+	-	-
Trinidad and Tobago	0+	+	+	-	-

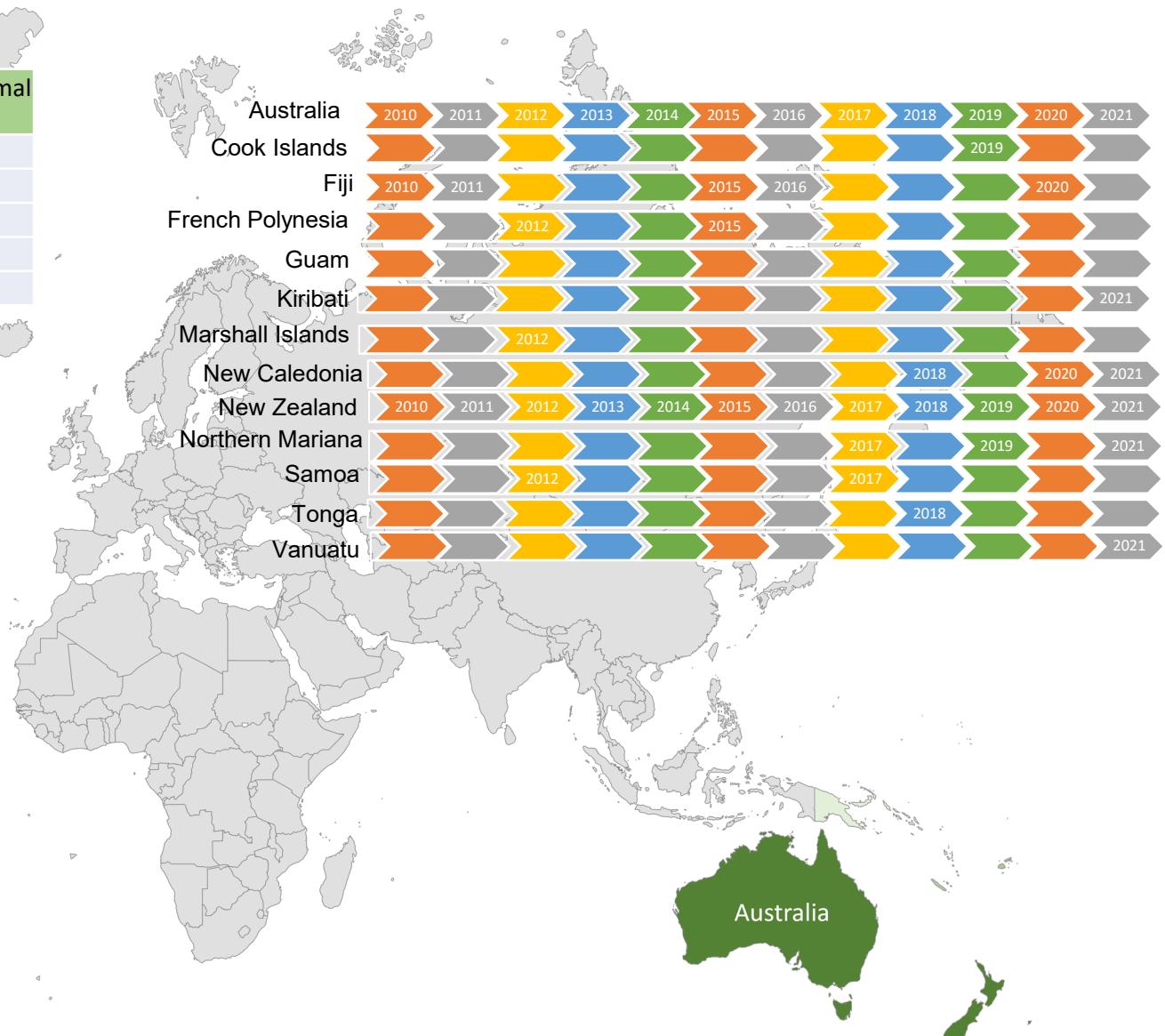
	Age coverage	Literacy	Attendance	Attending Formal Education	Attending non formal Education
Australia	15+	-	+	-	-
Fiji	3+	-	+	-	-
Guam	3+	-	+	-	-
Samoa	3+	+	+	+	+
Tonga	3+	+	+	-	-

Countries without LFS

Micronesia (Federated States of)
 Nauru
 New Zealand
 Niue
 Norfolk Island
 Palau
 Papua New Guinea
 Pitcairn
 Solomon Islands
 Tokelau
 Tuvalu
 Wallis and Futuna Islands



SDG: Oceania

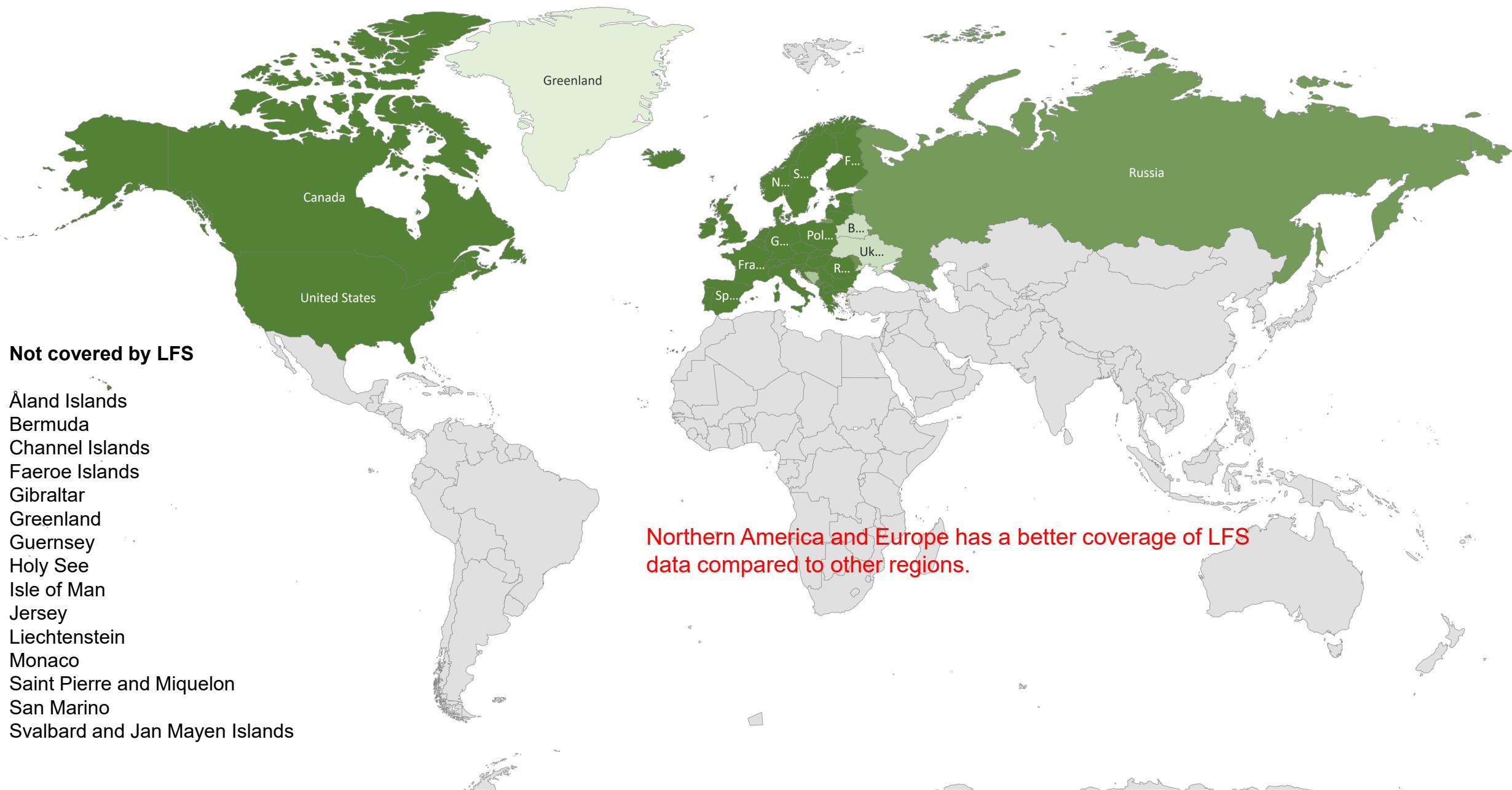


	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Australia			+									
Cook Islands							+					
Fiji		+						+				
French Polynesia												
Guam												
Kiribati												
Marshall Islands												
Micronesia (Federated States of)												
Nauru												
New Caledonia												
New Zealand					+							
Niue												
Norfolk Island												
Northern Mariana Islands												
Palau												
Papua New Guinea	+											
Pitcairn												
Samoa		+										
Solomon Islands			+									
Tokelau												
Tonga												
Tuvalu												
Vanuatu												
Wallis and Futuna Islands												

SDG: Oceania



Northern America and Europe, 2010-2021



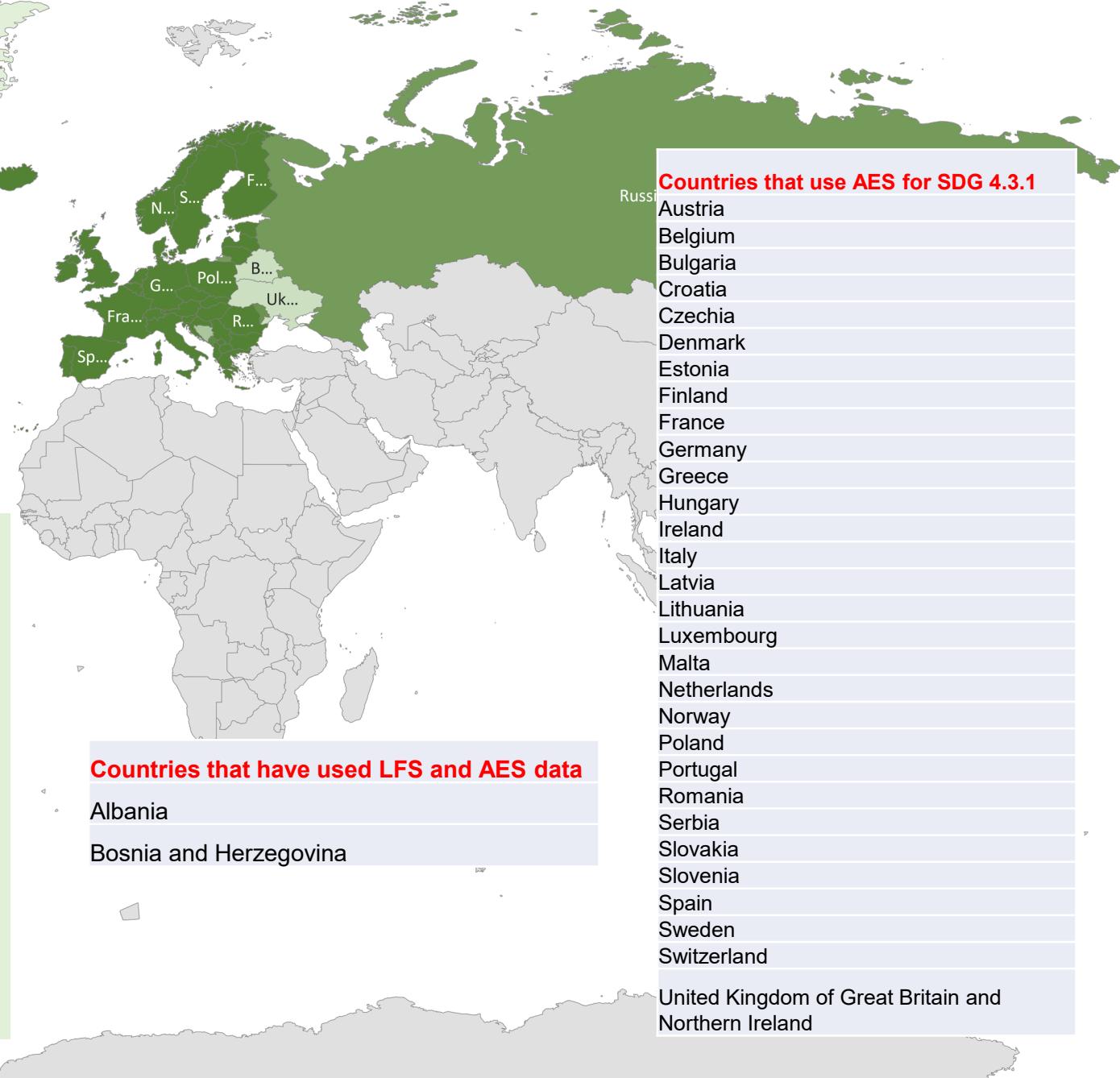
SDG: Northern America and Europe



Countries that conduct EU-LFS have not used LFS data for the calculation of SDG 4.3.1. Instead, these countries are using the Adult Education Survey.

For countries that have used LFS and AES or other data sources, the estimates differ significantly, especially between LFS and AES estimates.

Therefore, it would be of great value to study EU-LFS data and AES data for a thorough analysis of methodological gaps that lead to these significant differences in estimates and affect the cross-country comparability.



	Age coverage	Literacy	Attendance	Attending Formal Education	Attending non formal Education
Albania	15+	-	+	+	+
Austria	15+	-	+	+	+
Belgium	15+	-	+	+	+
Bosnia and Herzegovina	15+	-	+	+	+
Bulgaria	15+	-	+	+	+
Canada	15+	-	+	+	-
Croatia	15+	-	+	+	+
Czechia	15+	-	+	+	+
Denmark	15+	-	+	+	-
Estonia	15+	+	+	+	+
Finland	15+	-	+	+	+
France	15+	-	+	+	+
Germany	15+	-	+	+	+
Greece	15+	-	+	+	+
Hungary	15-74	-	+	+	+
Iceland	16-74	-	+	+	+
Ireland	15+	-	+	+	+
Italy	15+	-	+	+	+
Kosovo	15+	-	+	+	+
Latvia	15-74	-	+	+	+
Lithuania	15+	-	+	+	+
Luxembourg	15+	-	+	+	+
Malta	15+	-	+	+	+
Montenegro	15+	-	+	+	+
Netherlands	15-74	-	+	+	+
North Macedonia	15-79	-	+	+	+
Norway	15+	-	+	+	+
Poland	15+	-	+	+	+
Portugal	15+	-	+	+	+
Romania	15+	-	+	+	+
Russian Federation	15-72	-	+	-	+
Serbia	15+	+	+	+	+
Slovakia	15+	-	+	+	+
Slovenia	15+	-	+	+	+
Spain	16+	+	+	+	+
Sweden	15-74	-	+	+	+
Switzerland	15+	-	+	+	+
UK	16+	-	+	+	+
USA	all	-	+	-	-

Northern America
and Europe

SDG: Northern America and Europe

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Åland Islands												
Albania	+				+							
Andorra												
Austria		+					+					
Belarus												
Belgium		+					+					
Bermuda												
Bosnia and Herzegovina	+	+	+	+	+		+					
Bulgaria		+					+					
Canada			+									
Channel Islands												
Croatia							+					
Czechia		+					+					
Denmark		+					+					
Estonia		+					+					
Faeroe Islands												
Finland		+					+					
France		+					+					
Germany		+					+					
Gibraltar												
Greece		+					+					
Greenland												
Guernsey												
Holy See												
Hungary		+					+					
Iceland												
Ireland		+										
Isle of Man												
Italy		+					+					

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Jersey												
Kosovo												
Latvia		+					+					
Liechtenstein												
Lithuania		+					+					
Luxembourg		+					+					
Malta		+					+					
Monaco												
Montenegro												
Netherlands		+					+					
North Macedonia							+					
Norway		+	+				+					
Poland		+					+					
Portugal		+					+					
Republic of Moldova												
Romania		+					+					
Russian Federation			+									
Saint Pierre and Miquelon												
San Marino												
Serbia		+					+					
Slovakia		+					+					
Slovenia		+					+					
Spain		+					+					
Svalbard and Jan Mayen Islands												
Sweden		+					+					
Switzerland		+					+					
Ukraine												
United Kingdom of Great Britain and Northern Ireland		+					+					
United States of America			+					+				

- In summary, only 43% of countries have reported to UIS the global SDG indicator 4.3.1, at least for one year for the timespan 2010 to 2021.
- At first glance, 113 countries could have used the LFS data to calculate SDG 4.3.1 indicator.
- Only 32 countries have used LFS data for obtaining SDG 4.3.1 estimates but have not used the whole LFS time series data.

	No of countries for which the LFS data is not utilized at all	No of countries for which the LFS data is not fully utilized	Number of countries with SDG 4.3.1 in UIS database
Africa (Northern)	2	3	3 out of 8
Africa (Sub-Saharan)	20	8	16 out of 51
Asia (Central and Southern)	8	1	3 out of 14
Asia (Eastern and South-eastern)	9	5	11 out of 18
Asia (Western)	14	1	11 out of 18
Latin America and the Caribbean	18	9	17 out of 49
Northern America and Europe	33	2	35 out of 58
Oceania	9	3	7 out of 24
Total	113	32	103 out of 240

Education related questions in LFS questionnaires

	Literacy	Attendance	Questions on formal education	Questions for non-formal education
Africa (Northern)	5	all	0	0
Africa (Sub-Saharan)	18	all	3	0
Asia (Central and Southern)	6	all	0	0
Asia (Eastern and South-eastern)	5	all	0	0
Asia (Western)	8	all	5	5
Latin America and the Caribbean	10	all	2	0
Northern America and Europe	3	all	36	36
Oceania	2	all	1	1
Total	57	all	47	42

Based on the available questionnaires retrieved either from countries NSO's webpage, ILO, IHSN or WB data catalogs results that:

- Only 57 countries ask literacy related questions. None of them asks about the participation in literacy programs.
- The question on school attendance (highest level of education successfully completed) is asked in all countries.
- Only 47 countries define the participation in formal education or training (mostly the EU-LFS).
- 42 countries do ask questions about participating in non-formal education or training.

Methodological differences

Indicator 4.3.1 looks at the percentage of youth/adults participating in formal and non-formal education and training in the previous 12 months.

- There are 118 countries for which the questionnaire is available (either in English, French, Spanish, Russian, or German).
- 76 out of 118 questionnaires analyzed have a separate module dedicated to Education and Training questions.
- The reference period differs from country to country. The EU-LFS asks education questions for the last four weeks; mainly all Latin America and the Caribbean LFS-es ask education questions for the current time; in other surveys the reference period is not specified.

Region	Reference period for attending education or training						Total
	<i>last 4 weeks</i>	<i>currently</i>	<i>last 12 months</i>	<i>last week</i>	<i>last 3 months</i>	<i>not specified</i>	
Africa (Northern)	0	0	0	0	0	3	3
Africa (Sub-Saharan)	1	10	3	0	0	7	21
Asia (Central and Southern)	0	6	0	0	0	1	7
Asia (Eastern and South-eastern)	1	5	0	0	0	7	13
Asia (Western)	4	2	0	0	0	5	11
Latin America and the Caribbean	1	11	0	0	0	10	22
Northern America and Europe	30	0	2	1	0	3	36
Oceania	0	3	0	0	1	1	5
Total	37	37	5	1	1	37	118

Methodological differences

- In some countries, Attendance and attending questions are clasped in the same question: for example:
 - (Belize) “Have you/Has Name ever received, or are you/is Name receiving training for any occupation whether formal or informal?”;
 - (Bhutan) – ‘Has [Name] attended/attending any training?’
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- Around 67% of LFS questionnaires analyzed do not contain relevant questions about non-formal education. In most cases, the question includes both formal and informal education.
 - Disaggregation: sex, private/public (20% of analyzed questionnaires); disability (25% of analyzed questionnaires); urban/rural (26% of analyzed questionnaires) – EULFS used the degree of urbanization; ethnicity and religion (14% of analyzed questionnaires).