

Online reporting using the SDMX global Data Structure Definition



What's SDMX?





Internationally recognised and supported by



















Data exchange formats

ime stamp	15/02/2017											
ata provider	ILO											
arget Name	8.5 By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value											
ndicator Name	8.5.2 Unemploym	ent rate, b	y sex, age	and perso	ons with disabil	ities						
eries Name	Unemployment ra			•								
	Not available disaggregated by disability status. Unemployment defined as persons not in employment, available and seeking, unless otherwise stated in the footnotes. Unemployment rate corresponds to the unemployed as a percentage of the labour force.											
Country code (M49)	Country name	Year ▼	Sex	Age group	Observation value	Footnotes about age coverage	Footnotes	Footnotes about source	Unit	Nature of data	Data source	
4	Afghanistan	2005	Total	15+	8.5			Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
4	Afghanistan	2005	Male	15+	7.6			Data reference	Percentage	С	ILOSTAT - Labour Force Survey	
4	Afghanistan	2005	Female	15+	9.5			Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2007	Total	25+	10.7	Nonstandard age	Break in series	Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2007	Total	15+	13.5	Nonstandard age	Break in series	Data reference	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2007	Total	15-24	19.8	Nonstandard age	Break in series	Data reference	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2007	Male	25+	10.7	Nonstandard age	Break in series	Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2007	Male	15+	14.4	Nonstandard age	Break in series	Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2007	Male	15-24	22.8	Nonstandard age	Break in series	Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2007	Female	25+	10.6	Nonstandard age	Break in series	Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2007	Female	15+	12.2	Nonstandard age	Break in series	Data reference	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2007	Female	15-24	15.8	Nonstandard age	Break in series	Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2008	Total	25+	10.0	Nonstandard age		Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2008	Total	15+	13.0	Nonstandard age		Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2008	Total	15-24	24.7	Nonstandard age		Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2008	Male	25+	9.1	Nonstandard age		Data reference	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2008	Male	15+	12.5	Nonstandard age		Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2008	Male	15-24	25.5	Nonstandard age		Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2008	Female	25+	11.2	Nonstandard age		Data reference	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2008	Female	15+	13.5	Nonstandard age		Data referenc	Percentage	С	ILOSTAT - Labour Force Survey	
8	Albania	2008	Female	15-24	23.8	Nonstandard age		Data reference	Percentage	С	ILOSTAT - Labour Force Survey	

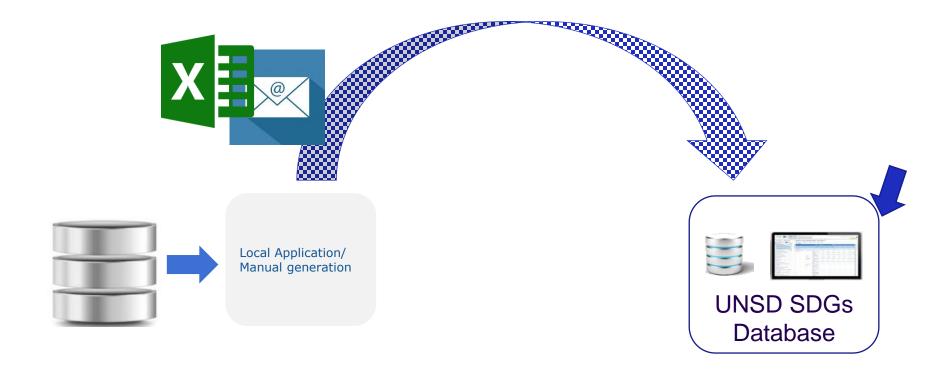


Data exchange formats

Series Code	Series Name	Indicator F	Reference Reference	Reference Area Name	Time Period	Observation Value	Unit of Me	Nature of	Sex	Age group	Classification notes	Source Detail	Time Detail	Footnotes
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	4	Afghanistan	2005	8.4	7 %	С	Total	15+		ILOSTAT - LFS - Labour force survey		Data reference period: Annual
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	4	Afghanistan	2005	7.5	9 %	C	Male	15+		ILOSTAT - LFS - Labour force survey		Data reference period: Annual
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	4	Afghanistan	2005	9.4	5 %	C	Female	15+		ILOSTAT - LFS - Labour force survey		Data reference period: Annual
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2007	13.	5 %	C	Total	15+	Nonstandard age group: Excluding	ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2007	14.	4 %	C	Male	15+	Nonstandard age group: Excluding	ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2007	12.	2 %	С	Female	15+	Nonstandard age group: Excluding	ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2008	13.0	5 %	C	Total	15+	Nonstandard age group: Excluding	ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncal
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2008	12.4	9 %	C	Male	15+	Nonstandard age group: Excluding	ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncale
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2008	13.7	4 %	C	Female	15+	Nonstandard age group: Excluding	ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncal
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2009	13.7	6 %	C	Total	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncal
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2009	27.1	.7 %	C	Total	15-24		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncal
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2009	11.2		С	Total	25+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2009	12.1	5 %	С	Male	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncal
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2		Albania	2009	26.2		С	Male	15-24		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2009	9.5		С	Male	25+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncal
SL_TLF_UEM		8.5.2	8	Albania	2009	15.8		С	Female			ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncal
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2		Albania	2009	28.3		С	Female	15-24		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2009	13.3		C	Female			ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncal
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2010			С	Total	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncal
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2010			С	Male	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncal
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2010			С	Female			ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2		Albania	2011	13.9		С	Total	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2		Albania	2011	13.6		С	Male	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2		Albania	2011	14.4		С	Female	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2		Albania	2012	13.4		С	Total	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2		Albania	2012	14.4		С	Male	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM		8.5.2		Albania	2012	12.0		С	Female	15+	Nonstandard age group: Excluding	ILOSTAT - LFS - Labour Force Survey		Data reference period: Noncali
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2		Albania	2013	15.6		С	Total	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM		8.5.2	_	Albania	2013	30.2		С	Total	15-24		ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2		Albania	2013	13.6		С	Total	25+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM		8.5.2	8	Albania	2013	17.5		С	Male	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2013	32.5		С	Male	15-24		ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM		8.5.2		Albania	2013	15.1		С	Male	25+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania	2013			С	Female			ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM		8.5.2	_	Albania	2013	26.1		С	Female			ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM		8.5.2	8	Albania	2013	11.7		C	Female	25+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM		8.5.2	_	Albania	2014	17.4		C	Total	15+ 15-24		ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM	. , , , , , , , , , , , , , , , , , , ,	8.5.2	8	Albania Albania	2014	39.0		C	Total			ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM		8.5.2	8		2014	14.7 19.1		C	Total	25+ 15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM		8.5.2	8	Albania	2014			C	Male	15-24		ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	8	Albania Albania	2014 2014	42.5 15.7		C	Male	15-24 25+		ILOSTAT - LFS - Labour Force Survey ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	-					C						Data reference period: Annual
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	-	Albania Albania	2014	15.2 32.5		C	Female Female	15+ 15-24		ILOSTAT - LFS - Labour Force Survey ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2		Albania	2014			C	Female			,		Data reference period: Annual
SL_TLF_UEM	Unemployment rate, total and by sex and age (%)	8.5.2	-	Albania	2014	17.0		C	Total	15+		ILOSTAT - LFS - Labour Force Survey ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual
SL_TLF_UEM SL_TLF_UEM	Unemployment rate, total and by sex and age (%) Unemployment rate, total and by sex and age (%)	8.5.2 8.5.2		Albania	2015			C	Total	15+		ILOSTAT - LFS - Labour Force Survey		Data reference period: Annual Data reference period: Annual
I SE TEF UEW	onemblovment rate, total and by sex and age (%)	0.3.2	0	Albania	2015	39.	0 70		Total	113*24		ILUSTAT - LFS - Labour Force Survey		Data reference beriod: Annual



Reporting using Excel worksheets



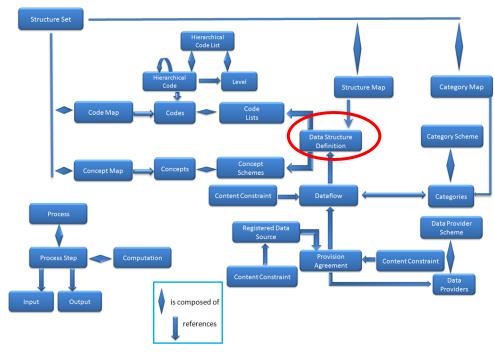


Statistical Data and Metadata eXchange



Global DSD for SDGs

- A Working Group on SDMX was established by the Inter-Agency and Expert Group on SDG Indicators, composed of statisticians and technical experts on SDMX from national statistical systems, UN specialized agencies and other international organizations.
- Version 1.0 of the global SDMX artefacts for SDG indicators and guidelines for its use and customization were released in May 2019
- A set of guidelines on how to use and customize the artefacts was released short afterwards



SDMX Information Model

Image source: Metadata Technology

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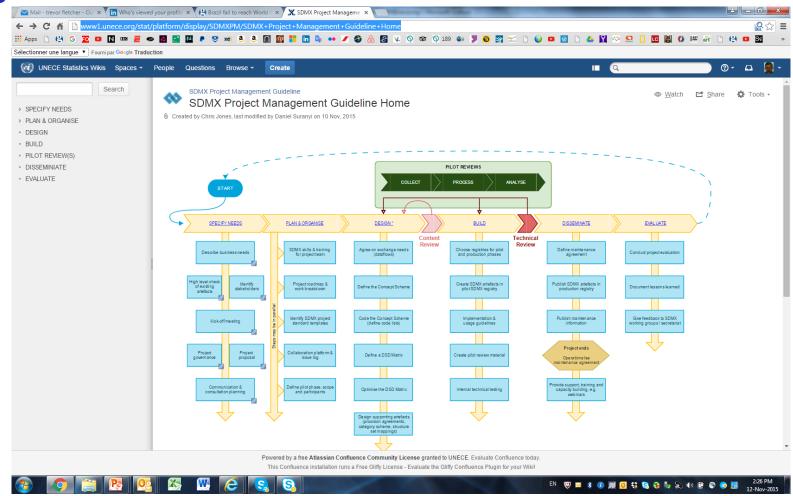


Deriving a Data Structure from a table or dataset

Time stamp Data provider ILO Target Name 8.5 By 2030 and equal provider for work of equal v		t work for all women and men, including for young peop	ATTRIBUTES		
Concept Name	Role	Identifier	Code list		
COUNTRY	Dimension				
VARIABLE	Dimension	REPRESENTED_VARIABLE	CL_REPRESENTED_VARIABLE		
SEX	Dimension	SEX	CL_SEX		
AGE	Dimension	AGE	CL_AGE		
TIME	Dimension	TIME_PERIOD			
OBS_VALUE	Measure				
UNIT OF MEASURE	Attribute	UNIT_MEAS	CL_UNIT_MEASURE		
AGE_COVERAGE	Attribute	AGE_COV	CL_AGE_COV		
FOOTNOTES	Attribute	FOOTNOTES			
NATURE_OF_DATA	Attribute	NATURE	CL_NATURE		
SOURCE	Attribute	SOURCE			
8 Albania 2008 Male 8 Albania 2008 Femal	 	Nonstandard age Data referend Percentage C Nonstandard age Data referenc Percentage C	ILOSTAT - Labour Force Survey ILOSTAT - Labour Force Survey		
8 Albania 2008 Fema	 	Nonstandard age Data referenc Percentage C	ILOSTAT - Labour Force Survey		
8 Albania 2008 Femal	e 15-24 23.8 N	Nonstandard age Data referend Percentage C	ILOSTAT - Labour Force Survey		
DIN	MENSIONS	ATTRIBUTES MEASU	RE		



Creating a global DSD





SDG DSD Matrix

Concept Name	Role	Type	Code List	Lead Member	Comment
FREQ	Dimension	String	CL_FREQ	UNSD	Cross Domain; value set to A (annual)
DATASET_TYPE	Dimension	String	CL_DATASET_TYPE	UNSD	
SERIES	Dimension	String	CL_SDG_SERIES	UNSD	SDG Indicator or Series. Uses the CETS convention for encoding
REF_AREA	Dimension	String	CL_AREA	UNSD	Country or region code (M49 or ISO-3166)
SEX	Dimension	String	CL_SEX	UNSD	Cross Domain
AGE	Dimension	String	CL_AGE	UNSD	Cross Domain
URBANISATION	Dimension	String	CL_URBANISATION	UNSD	Degree of urbanisation (urban/rural)
INCOME_WEALTH_QUANTILE	Dimension	String	CL_QUANTILE	WB, UNICEF	Income or wealth quantile
EDUCATION_LEV	Dimension	String	CL_EDUCATION_LEV	DANE, UNICEF, ILO	Education level
OCCUPATION	Dimension	String	CL_OCCUPATION	ILO	Cross Domain; ISCO
CUST_BREAKDOWN	Dimension	String	CL_SDG_CUST_BREAKDOWN		Custom breakdown
COMPOSITE_BREAKDOWN	Dimension	String	CL_SDG_COMP_BREAKDOWN	UNSD	Composite breakdown (for rarely used disaggregation)
DISABILITY_STATUS	Dimension	String	CL_DISABILITY_STATUS	UNSD	Disability status (reserved for future use)
TIME_PERIOD	Dimension	Date/Time			Time period (must refer to a year)
OBS_VALUE	Measure	Float?			Observation value
UNIT_MULT	Attribute (mandatory, obs)	Integer	CL_UNIT_MULT	UNSD	Cross Domain; unit multiplier
UNIT_MEASURE	Attribute (mandatory, obs)	String	CL_UNIT_MEASURE	UNSD	Unit of measure
OBS_STATUS	Attribute (mandatory, obs)	String	CL_OBS_STATUS	UNSD	Cross domain; observation status
NATURE	Attribute (optional, obs)	String	CL_NATURE	UNSD	
TIME_DETAIL	Attribute (optional, obs)	String			Further detail on time period (free text)
COMMENT_OBS	Attribute (optional, obs)	String			Observation-level footnotes (free text)
TIME_COVERAGE	Attribute (optional, obs)	Date/time			ISO8601 representation of the actual time interval of the observation
UPPER_BOUND	Attribute (optional, obs)	Float			Upper bound, when applicable
LOWER_BOUND	Attribute (optional, obs)	Float			Lower bound, when applicable
BASE_PER	Attribute (optional, obs)	Date/time			Base period (for constant price data)

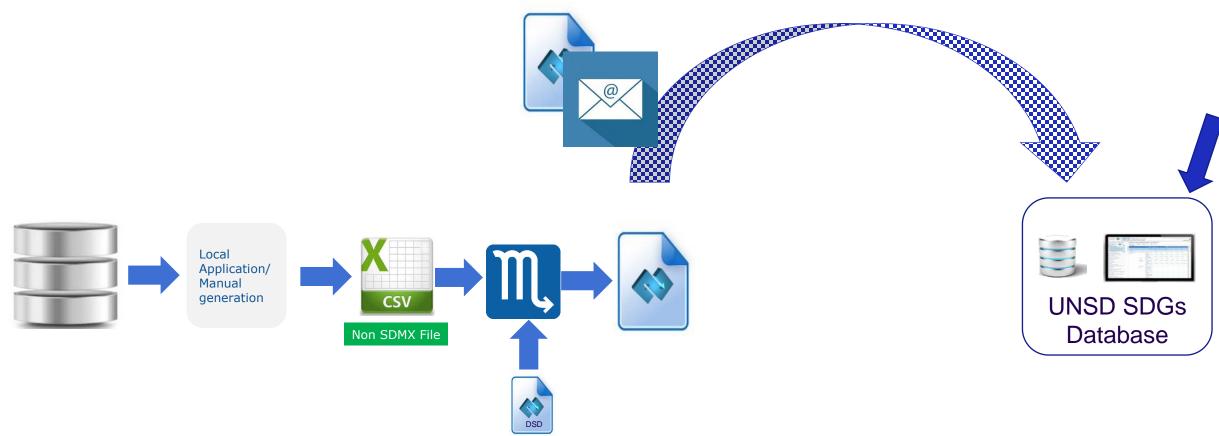


SDMX DSD for SDGs

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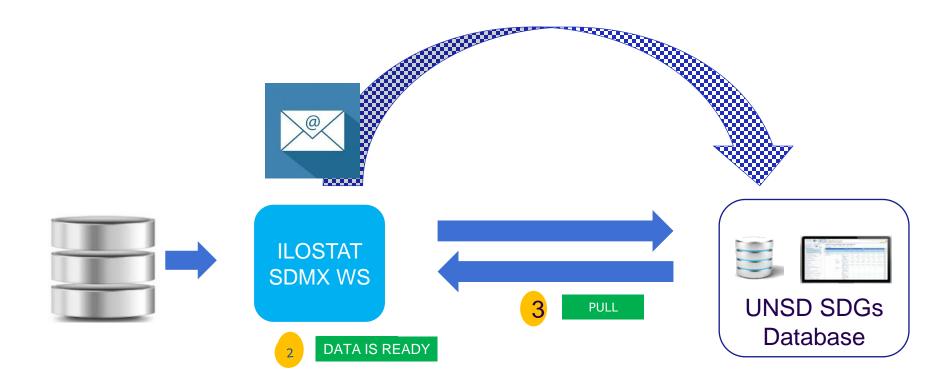


Reporting using SDMX files





Reporting using SDMX "pull mode" queries





Thank you!

