

## ANNEX to the Inception Report

This annex contains statistical tables referred to in Subchapter 3.2.1 of the Inception Report:  
Quantitative approach: data availability and collection.

**Table 1: Proposed Indicators at Nuts 2 level for Youth unemployment (“internal variables”)**

<i>Dimension</i>		<i>Type of indicators</i>	<i>Source</i>	<i>Period</i>	<i>Gender</i>	<i>Ages</i>	<i>Comments</i>
<b>Unemployment</b>	1	Youth Unemployment rates	Eurostat-Regional Statistics (lfst_r_lfu3rt)	1999-2016	T,M,F	15-24*	Directly available from Eurostat
	2	Ratio of Youth Unemployment (15-24 years old) for 100 Unemployment (25+ years old)	Eurostat-Regional Statistics (lfst_r_lfu3pers)	1999-2016	T,M,F	15-24*  25+	<i>Easily measured from Eurostat data. It gives us the number of Youth unemployed for 100 unemployed persons 25 years &amp; + We suggest not to take at the denominator the 15+ due to the fact that it includes the 15-24</i>
	3	Ratio of Youth Unemployment Rate (15-24) / Total Unemployment Rate	Eurostat-Regional Statistics (lfst_r_lfu3rt)	1999-2016	T,M,F	15-24* 15+	It allows to evaluate in which extend the Youth Unemployment Rate is higher than the Total Unemployment Rate
<b>Employment</b>	4	Youth Employment rate (15-24 years)	Eurostat-Regional Statistics (lfst_r_lfe2empntp)	1999-2016	T,M,F	15-24*	Directly available from Eurostat
<b>NEETs</b>	5	Young people neither in employment nor in education and training (NEET rates) – 18-24	Eurostat-Regional Statistics (edat_lfse_22)	2000-2016	T,M,F	18-24*	Directly available from Eurostat
<b>Economic activity</b>	6	Youth economic activity rate	Eurostat-Regional Statistics lfst_r_lfp2actrt	1999-2016	T,M,F	15-24*	Directly available from Eurostat

*Note: Eurostat produced specific statistics concerning Youth employment (Yth\_empl) at NUTS 2 (for ex Youth long-term unemployment rates /12 months or longer) by sex and NUTS 2 regions [yth\_empl\_130] with disaggregation by gender for the ages 15-29. Nevertheless, excepting that such data present*

limited level of availability, most of them are characterized by low reliability. Consequently, it is suggested to not report these data in the table.

\* The suggested indicators refer to the age group 15-24 years and not to 15-19 and 20-24 separately. This is due to the low reliability/ representativeness of available data when they are given separately for the those two groups (see attached table C / excel file)

**Table 2: Nuts 2 level, other labour and non-labour statistics / other data to be used (“external factors”)**

<b>Dimension</b>		<b>Type of variables / indicators</b>	<b>Source</b>	<b>Period</b>	<b>Gender</b>	<b>Ages</b>	<b>Comments</b>
<b>Unemployment</b>	1	LT unemployment % of Unemployment LT unemployment % of active population	Eurostat-Regional Statistics  (lfst_r_lfu2ltu)	1999-2016	T	no age	
<b>Employment</b>	2	Employment by age, economic activity	Eurostat-Regional Statistics  (lfst_r_lfe2en2)	2008-2016	T	15-24 and other classes	<b>12 NACE</b> (including Total NACE and no Response) Data available for 1999-2007 with former NACE classification
	3	Employment by age, professional status	Eurostat-Regional Statistics  (lfst_r_lfe2estat)	1999-2016	T	15-24 and other classes	<b>5 Categories</b> of Prof status (including no Response)
	4	Employment by full-time/part-time, sex	Eurostat-Regional Statistics  (lfst_r_lfe2eftpt)	1999-2016	T	no age	Total, FT, PT and no response
	5	Employment by sex, age, educational attainment level	Eurostat-Regional Statistics  (lfst_r_lfe2eedu)	1999-2016	T,M,F	15-24 and other classes	5 ISCED11 (Including Total and no Response) (Levels 0-2, 3-4 and 5-8)
	6	Average number of usual weekly hours of work in main job by sex, age	Eurostat-Regional Statistics  (lfst_r_lfe2ehour)	1999-2016	T,M,F	15-24 and other classes	
<b>Economic activity</b>	8	Economically active population by sex, age, educational attainment level	(edat_lfse_22)  (lfst_r_lfp2acedu)	1999-2016	T,M,F	Limited number of ages	5 ISCED11 (Including Total and no Response) (Levels 0-2, 3-4 and 5-8)
<b>Labour Market</b>	9	Job vacancy rates by occupation and NACE Rev. 2 activity	Eurostat-Regional Statistics  (jvs_a_nace2)	2008-2016	T	No age	NACE rev.2 in detail
<b>Macro-economy</b>	10	Gross domestic product (GDP) per inhabitant at current market prices	Eurostat-Regional Statistics  (nama_10r_2gdp)	2000-2015			In PPS
	11	Real growth rate of regional gross value added (GVA) at basic prices,	Eurostat-Regional Statistics  (nama_10r_2gvagr)	2000-2015			percentage change on previous year

	1 2	Total intramural R&D expenditure (GERD) by sectors of performance	Eurostat-Regional Statistics (rd_e_gerdreg)	2000-2015		2 alternative indicators : PPS per inhabitant, % of GDP
<b>Population</b>	1 3	% of 15-24 years to the total population	Eurostat-Regional/population Statistics	2000-2016		
	1 4	% of 15-19 years to 15-24 years	Eurostat-Regional/population Statistics	2000-2016		

*N.B Some other "external variables" influencing effectively the intensity of Youth Unemployment as level of mobility, ethnic distribution of population, wages' level etc , should be - in principle - introduced in this Table. The non-availability of such statistics at NUTS 2 level justify that these variables are not included in this table.*

Similar approach as this developed at NUTS 2 level can't be implemented at NUTS 3 level as most (if not all) indicators concerning youth unemployment and employment are not available. Instead, a similar analysis can probably be done for *the metropolitan areas*<sup>1</sup>, as two indicators are available. These indicators - desegregated by gender- for Youth unemployment ("internal variables") are listed in *Table 3* and the additional data that can be used for the interpretative analysis of the youth unemployment at this level are given in *Table 4*.

**Table 3: Metropolitan Regions, proposed Indicators for Youth unemployment ("internal variables")**

<b>Dimension</b>		<b>Type of indicators</b>	<b>Source</b>	<b>Period</b>	<b>Gender</b>	<b>Ages</b>	<b>Comments</b>
<b>Unemployment</b>	1	Unemployment rates by sex, age and metropolitan regions (%)	Eurostat-Regional Statistics met_lfu3rt	1999-2016	T,M,F	15-24	Also 15+, 20-64 and 25+. <b>No data for France for the period 2000-2012 and a lot of non-available data for Germany between 2005-2016</b>
<b>Employment</b>	2	Employment rates by sex and age and metropolitan regions (%)	Eurostat-Regional Statistics met_lfe3emprrt	1999-2016	T,M,F	15-64 20-64	<b>No data for 15-24 but can be produced from the existing files</b> No data for Belgium: 2006-2011 For France: 2007-2016 and Germany: 2016

<sup>1</sup> But not for the other territorial types, see below & 4.5

**Table 4: Other labour and non-labour statistics at Metropolitan regions to be used (“external factors”)**

<b>Dimension</b>		<b>Type of indicators</b>	<b>Source</b>	<b>Period</b>	<b>Gender</b>	<b>Ages</b>	<b>Comments</b>
<b>Unemployment</b>	1	Unemployment by sex, age and metropolitan regions (Thousands)	Eurostat-Regional Statistics (met_lfu3pers)	1999-2016	T,M,F	15-24, 15+, 20-64, 25+	<b>No data for France for the period 2000-2012 and a lot of non-available data for Germany between 2005-2016</b>
<b>Employment</b>	2	Employment by sex, age and metropolitan regions (Thousands)	Eurostat-Regional Statistics met_lfe3emp	1999-2016	T,M,F	15-64 20-64	<b>No data for 15-24. Estimations can be obtained because data for this age are available for Economically active population and Unemployment.</b> No data for Belgium: 2006-2011 For France: 2007-2016 and Germany: 2016
	3	Employment by NACE Rev. 2 activity and metropolitan typology (Thousands)	Eurostat-Regional Statistics met_10r_3emp	2000-2016	T	No age	<i>Distinction between employed persons and employees</i> <i>For all NACE, quite good availability. Problem with disaggregated data, especially for Germany, France, Spain, Austria</i>
<b>Economic activity (active population)</b>	4	Economically active population by sex, age and metropolitan region (Thousands)	Eurostat-Regional Statistics (met_lfp3pop)	1999-2016	T,M,F	15-24, 15+, 20-64, 25+	<b>No data for France for the period 2000-2012.</b> Not data for Germany 2016.
<b>Education level</b>	5	Population aged 25-64 by educational attainment level, sex and metropolitan regions (%)	Eurostat-Regional Statistics met_edat_lfse4	2009-2016	T,M,F	25-64	<b>Very high percent of non-available data, concerning a lot of countries as for example:</b> No data for Belgium: 2009-2011 For France: 2009 and 2014-2016 and UK: 2009-2015
<b>Macro-economy (Growth)</b>	6	Per capita Gross domestic product (GDP) at current market prices by metropolitan regions [met_10r_3gdp]	Eurostat-Regional Statistics met_10r_3gdp	2000-2015			<b>In euro, in PPS, in % of the EU average</b> <b>Good availability</b>
	7	Gross value added at basic prices by metropolitan regions	Eurostat-Regional Statistics met_10r_3gva	2000-2015			<b>In million euros, disaggregated by NACE R2</b> <b>Good availability</b>
<b>Population</b>	8	Population by sex, age and	Eurostat-Regional	1999-2016	T,M,F	15-64 20-64	

<i>Dimension</i>	<i>Type of indicators</i>	<i>Source</i>	<i>Period</i>	<i>Gender</i>	<i>Ages</i>	<i>Comments</i>
	metropolitan regions	Statistics met_lfsd3pop				

### Other Territorial typologies

If the classification by EUROSTAT/ESPON of EU Regions in Metropolitan/non metropolitan is not the only one (see Table 5) and if some labour market statistics are available for some of those territorial types, these statistics are not given at NUTS 2 but at national level (Table 6). Therefore, these statistics can be used only at NUTS 0 level in order to compare the situation and evolution of Youth Unemployment / Employment between these different types in order to detect in which extend these main characteristics are influencing the phenomena in each country (Descriptive / comparative analysis).

**Table 5: List of territorial typologies (ESPON)**

	Variables	Codification	Access to labour market statistics
1	Urban/rural regions	1 = Predominantly urban regions, 2 = Intermediate regions 3 = Predominantly rural regions	YES
2	Border-regions	1 = Non border-region 2 = Border region	YES
3	Island-regions	1 = Non island-region 2= Island region	YES
4	Sparsely-populated regions	1 = Non-sparsely populated region 2 = Sparsely-populated region	NO
5	Mountain-regions	1 = Non mountain-region 2 = Mountain region	YES
6	Coastal regions;	1 = Non- Coastal region 2 = Coastal region	YES
7	Regions in industrial transition	1 = Industrial region not in transition 2 = Region in industrial transition	NO
<i>Number of typologies (except Metro Regions) with access to labour market statistics at NUTS 0 level=11</i>			

**Table 6: Set of Labour Market Statistics available at aggregated level (EU – NUTS 0)**

Set of data	Eurostat Regional DataBase	Number of Tables	Period	Gender	Ages
Economically active population by sex, age (Thousands)	urt_lfp3pop	132	1999-2016	T,M,F	15-25, 15+, 20-64, 25+
Unemployment by sex, age (Thousands)	urt_lfu3pers	132	1999-2016	T,M,F	15-25, 15+, 20-64, 25+
Unemployment rates by sex, age (%)	urt_lfu3rt	132	1999-2016	T,M,F	15-25, 15+, 20-64, 25+
Employment by sex, age (Thousands)	urt_lfe3emp	66	1999-2016	T,M,F	15-64,20-64
Employment rates by sex, age (%)	urt_lfe3emprrt	66	1999-2016	T,M,F	15-64,20-64
Population aged 25-64 by educational attainment level, sex (%)	urt_edat_lfse4	132	2009-2016	T,M,F	25-64 with 4 level of educational attainment (ISCED11)
Population by sex, age (Thousands)	urt_lfsd3pop	66	1999-2016	T,M,F	15-64,20-64