

# Indicator metadata: Technological Affinity

The indicator "technological affinity" displays the output in economic activities of a given region.

The indicator is benchmarked across ESPON space, as data availability allows. Gross value added approximates the value of goods and services produced in a given geographical dimension (in this case NUTS-3) over a defined timeperiod. The composite indicator reflects the gross value added of knowledge intensive services and industries in a given area.

The synthetic indicator is composed of several sub-indicators which are individually picking up characteristics of the overall territorial dimensions in the framework of knowledge-intensive economic activities. The indicator is calculated in the following manner:

$$GVA_{(i,t)} = 1/2 * Y_{(i,t)} + 1/2 * E_{(i,t)}$$

In which the variable  $Y_{(i,t)}$  represents normalised gross value added by knowledge intensive industries in region i and at time t, Analogously,  $E_{(i,t)}$  represents normalised employment in a given region i and at time t. Each of the variables are

**Theme(s):** Science and Technology - Science, Technology and Innovation

## Introduction

**Author:** ESPON project (<https://www.espon.eu/TEVI>)

**Contact(s):**

- Erich Dallhammer (OIR) (Project leader)

**Territorial information:**

### Nomenclature

#### Spatial Extent

EU28+4

#### name

NUTS

#### version

2013

#### level

3

**Years:** 2016

**Completeness:**

#### Year

2016

#### Tunit

96

#### Area

88

#### GDP

97

#### Pop

97

## Download

### File

- Data (JSON, browse webservice) (</api/public/indicator-data/1402/>)
- Metadata INSPIRE (XML) (</indicator/1402/metadata-inspire.xml>)
- Metadata ESPON (printable) (</indicator/1402/metadata-espon/>)
- Indicator package (SHAPE) (ZIP 1.4 MB) ([/private-media/object/1402/ind\\_1402\\_techaffi\\_shp.zip](/private-media/object/1402/ind_1402_techaffi_shp.zip))
- Indicator package (CSV+XLS) (ZIP 115.1 KB) ([/private-media/object/1402/ind\\_1402\\_techaffi\\_csv.zip](/private-media/object/1402/ind_1402_techaffi_csv.zip))
- Project package (all data of the related project) ([/private-media/object/1530/project\\_tevi-territorial-evidence-support-of-european-territorial-cooperatio\\_XLrdvHf.zip](/private-media/object/1530/project_tevi-territorial-evidence-support-of-european-territorial-cooperatio_XLrdvHf.zip))

### Right

- Constraints - Access classification: unclassified (default)
- Constraints - Use constraint: copyright (default)

## Methodology

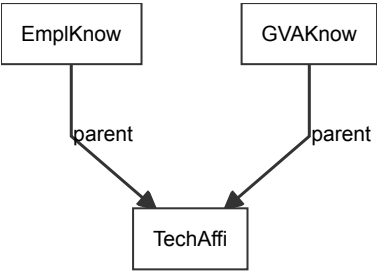
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# Genealogy

## Graph



## Parents

- People employed in knowledge intensive sectors (/indicator/1403/)
- Value added of knowledge intensive enterprises (/indicator/1410/)

## Child

None!

## Other attributes

<b>Id:</b>	1402
<b>Status:</b>	Key indicator
<b>Name:</b>	Technological Affinity
<b>Code:</b>	TechAffi
<b>Is standard?:</b>	True
<b>Is base indicator?:</b>	False
<b>Type:</b>	Single
<b>Data type:</b>	Float
<b>Unit of measure - Numerator / Denominator</b>	Normalised scale multiplied by a factor of 100
<b>Name:</b>	
<b>Unit of measure - Numerator / Denominator</b>	1
<b>Scale:</b>	
<b>Is a ranking?:</b>	False
<b>Main Theme:</b>	Science and Technology - Science, Technology and Innovation
<b>Nature type:</b>	Other
<b>Labels:</b>	None