

## **FROM CONCEPTUAL E-R MODEL TO RELATIONAL MODEL**

**NUTS** (id\_nuts, nuts1, nuts2, nuts3)

**GEOLEVEL** (id\_geolevel, distrito, concelho, freguesia)

**GEODATA** (id\_geodata, geocode, type id\_nuts, id\_geolevel)

WHERE        {id\_nuts} REFERENCES **NUTS**,  
              {id\_geolevel} REFERENCES **GEOLEVEL**

**DATA\_VALUES** (id\_value, timecode, value, id\_geodata, id\_indicador)

WHERE        {id\_geodata} REFERENCES **GEODATA**,  
              {id\_indicador} REFERENCES **INDICATOR**

**VAL\_ATTR** (id\_value, id\_attribute)

WHERE        {id\_value } REFERENCES **DATA\_VALUES**,  
              {id\_attribute} REFERENCES **ATTRIBUTES**

**ATTRIBUTES** (id\_attribute, name, value)

**INDICATOR** (id\_indicator, name, description, units, units\_desc, calculation, source, source\_code, attributes)

**TYPE** (id\_indicator, id\_tag)

WHERE        {id\_indicator} REFERENCES **INDICATORS**,  
              {id\_tag} REFERENCES **TAGS**

**TAGS** (id\_tag, value)