# ESPON 2020 Data Maps and Update II
## Lot 3: Updating and integrating PROFECY datasets and maps

## Delivery 0.1 – Distance matrices for NUTS0 to NUTS3

Delivery 0.1 includes the provision of car travel time and distance matrices for NUTS levels 0 to 3 for both NUTS 2016 and 2021 versions.

| Dataset information | |
|---|---|
| **Name** | Car travel time and distance matrices |
| **Project** | ESPON PROFECY |
| **Metadata date** | 09 November 2021 |
| **Abstract** | Car travel times (in min) and distances (in km) between NUTS entities for NUTS levels 0, 1, 2 and 3, for both NUTS 2016 and 2021 versions. Each NUTS entity was represented by its centroid, which then served as origin and destination of the trip.<br>Individual matrices were generated for each NUTS level and NUTS version, i.e. altogether 8 different matrices.<br>Because of the large size of the matrices (particularly for NUTS levels 2 and 3), the matrices are provided as text files, where each row in the file represents one o/d-relation. The first row, however, is the header. Indicators are separated by commas.<br>The structure of the text files is explained in the Excel file "TravTime_Matrices_Metadata.xlsx". |
| **Topic category** | Transport, traffic, travel time, matrices, accessibility |
| **Lineage** | This is the first release of this dataset. |
| | |
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| | |
| Spatial extent and nomenclature | |
| **Spatial extent** | EU27 plus AD, AL, BA, CH, IS, KS, LI, ME, MK, NO, RS, SM, TR, UK |
| **Nomenclature name** | NUTS |

| Nomenclature version | 2016 and 2021 |
|---|---|
| Nomenclature level | NUTS-3, NUTS-2, NUTS-1 and NUTS-0 |

This project archive consists of a collection of 8 text files. Since the structure of all eight files is similar, metadata information is provided in the Excel file only once.

The following files are provided:

| NUTS level | NUTS version | |
|---|---|---|
| | 2016 | 2021 |
| 0 | ODMatrix2016_N0.txt | ODMatrix2021_N0.txt |
| 1 | ODMatrix2016_N1.txt | ODMatrix2021_N1.txt |
| 2 | ODMatrix2016_N2.txt | ODMatrix2021_N2.txt |
| 3 | ODMatrix2016_N3.txt | ODMatrix2021_N3.txt |