Mannheim Data:

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| from: | **Johannes Hengstenberg**<johanneshengstenberg@gmail.com> |
| to: | Bhaskar Kamble <kbhaskar.iitk@gmail.com> |
| date: | May 28, 2019, 2:09 PM |
| subject: | Fwd: Ihre Anfrage vom 28.05.2019 |

The above email contains the two files: “CO2 Mannhein 2002-2017.txt” and “Senercon\_gmbH\_Mannheim.pdf”.

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| from: | **Johannes Hengstenberg**<johanneshengstenberg@gmail.com> |
| to: | Bhaskar Kamble <kbhaskar.iitk@gmail.com> |
| date: | May 29, 2019, 9:33 AM |
| subject: | CO2-Balance for Mannheim |

From above email: Dear Baskhar, attached you find the numbers for the development of the population of the municipality of Mannheim. Please add to your Mannheim balance one chart which shows the per capita development of carbon emissions.   
Thanks!

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| from: | **Johannes Hengstenberg**<johanneshengstenberg@gmail.com> |
| to: | Bhaskar Kamble <kbhaskar.iitk@gmail.com> |
| date: | May 27, 2019, 5:09 PM |
| subject: | Domestic buildings in Mannheim for 2017 - you should find here.... |

**Weather for Mannheim:**

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| from: | **Johannes Hengstenberg**<johanneshengstenberg@gmail.com> |
| to: | Bhaskar Kamble <kbhaskar.iitk@gmail.com> |
| date: | Jun 4, 2019, 9:34 AM |
| subject: | Wetterstation für Mannheim |

The files for the weather are: produkt\_klima\_tag\_19360101\_20181231\_05906.txt and produkt\_klima\_tag\_20171130\_20190602\_00183.txt.

Mannheim CO2 coefficients:

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| from: | **clemens.peters@mvv.de** |
| to: | johanneshengstenberg@gmail.com |
| cc: | kbhaskar.iitk@gmail.com |
| date: | Jun 3, 2019, 1:14 PM |
| subject: | AW: CO2-Koeffizienten für das Mannheimer MVV-Netz |

These are the things for which you need tables with numbers:

1. CO2 coefficients.
2. Sample size MFH, 1-2FH – for the entire time period
3. Heated surface area – also for the entire time period, (we will compare with 2017’s official data from destatis for number of buildings and heated surface area)
4. Coverage. Numberofbuildings(Co2online)/ Numberofbuildings(Destatis) and Area(Co2online)/Area(Destatis).
5. Weather data from the meteo station.
6. And all the tables like in Berlin data.
7. Redo berlin and Germany on the lines of Mannheim (kNN, strom 2010:2018)