

# Konzern-Klimabilanz 2018-2023

| CO2-Emissionen                               |               |               |               |               |                 |            |            |                   |               |               |               |            |            |                   |               |               |
|--|---------------|---------------|---------------|---------------|-----------------|------------|------------|-------------------|---------------|---------------|---------------|------------|------------|-------------------|---------------|---------------|
| Emissionsquelle                              | 2018          | 2019          | 2020          | 2021          | 2022            |            |            |                   |               |               | 2023          |            |            |                   |               |               |
|  | Campus Köln   | Campus Köln   | Summe         | Summe         | Köln            | Göttingen  | Berlin     | Weitere Standorte | Summe         | %             | Köln          | Göttingen  | Berlin     | Weitere Standorte | Summe         | %             |
| <b>Systemgrenze</b>                          |               |               |               |               |                 |            |            |                   |               |               |               |            |            |                   |               |               |
| <b>Scope 1</b>                               |               |               |               |               | siehe (Scope 2) |            |            |                   |               |               |               |            |            |                   |               |               |
| Wärme (eigenerzeugt)                         | 5.124         | 4.982         | 4.344         | 6.102         |                 |            |            |                   |               | -             | 3.826         | -          | -          | -                 | 3.826         | 22%           |
| Fuhrpark                                     | 1.064         | 973           | 718           | 1.233         | 571             | 70         | 81         | 560               | 1.282         | 10%           | 500           | 85         | 76         | 1.532             | 2.193         | 13%           |
| Kältemittelleckagen                          | 3             | 74            | 7             | 18            | -               | 35         | -          | -                 | 35            | 0%            | -             | -          | -          | -                 | -             | 0%            |
| Dieselnstromaggregate                        | 15            | 15            | 15            | 15            | 15              | -          | -          | -                 | 15            | 0%            | (sh. Wärme)   | -          | -          | -                 | -             | 0%            |
| <b>Summe</b>                                 | <b>6.205</b>  | <b>6.044</b>  | <b>5.084</b>  | <b>7.367</b>  | <b>585</b>      | <b>105</b> | <b>81</b>  | <b>560</b>        | <b>1.332</b>  | <b>10%</b>    | <b>4.326</b>  | <b>85</b>  | <b>76</b>  | <b>1.532</b>      | <b>6.019</b>  | <b>35%</b>    |
| <b>Scope 2</b>                               |               |               |               |               |                 |            |            |                   |               |               |               |            |            |                   |               |               |
| Strom (market based)                         | 1.963         | 1.387         | 336           | 200           | 176             | 14         | 16         | 148               | 354           | 3%            | 190           | 14         | 13         | 342               | 559           | 3%            |
| Wärme (eingekauft)                           | -             | -             | -             | -             | 3.922           | 218        | 107        | 219               | 4.466         | 34%           | -             | 218        | 84         | 218               | 520           | 3%            |
| <b>Summe</b>                                 | <b>1.963</b>  | <b>1.387</b>  | <b>336</b>    | <b>200</b>    | <b>4.098</b>    | <b>233</b> | <b>122</b> | <b>367</b>        | <b>4.820</b>  | <b>37%</b>    | <b>190</b>    | <b>232</b> | <b>97</b>  | <b>560</b>        | <b>1.080</b>  | <b>6%</b>     |
| <b>Scope 3</b>                               |               |               |               |               |                 |            |            |                   |               |               |               |            |            |                   |               |               |
| Anfahrt Mitarbeiter                          | 5.949         | 5.981         | 3.500         | 1.642         | 1.546           | 153        | 95         | 460               | 2.254         | 17%           | 2.054         | 265        | 73         | 994               | 3.386         | 20%           |
| Heimarbeit                                   | -             | -             | 1.198         | 1.778         | 1.402           | 139        | 86         | 276               | 1.903         | 14%           | 1.080         | 101        | 68         | 354               | 1.603         | 9%            |
| Vorkette Wärme                               | 1.143         | 1.111         | 969           | 1.038         | 675             | 37         | 18         | 37                | 768           | 6%            | 633           | 36         | 14         | 44                | 726           | 4%            |
| Elektronische Geräte                         | -             | -             | -             | -             | -               | -          | -          | -                 | -             | -             | 875           | 82         | 55         | 287               | 1.298         | 8%            |
| Produktions- und Verbrauchsmaterial          | -             | -             | -             | -             | -               | -          | -          | -                 | -             | -             | 272           | 26         | 17         | 89                | 404           | 2%            |
| Miet- und Privatfahrzeuge                    | 540           | 584           | 907           | 606           | 366             | 47         | 12         | 492               | 917           | 7%            | 302           | 35         | 15         | 301               | 653           | 4%            |
| Vorkette Strom                               | 504           | 486           | 461           | 307           | 177             | 24         | 9          | 19                | 228           | 2%            | 158           | 22         | 8          | 61                | 249           | 1%            |
| Flüge  | 753           | 455           | 121           | 71            | 174             | -          | 15         | 23                | 212           | 2%            | 135           | 0          | 14         | 39                | 189           | 1%            |
| Hotelübernachtungen                          | -             | -             | -             | -             | -               | -          | -          | -                 | -             | -             | 201           | 18         | 33         | 125               | 378           | 2%            |
| Büropapier                                   | 349           | 343           | 335           | 192           | 145             | 1          | 0          | 3                 | 150           | 1%            | 284           | 2          | 1          | 59                | 347           | 2%            |
| Vorkette Kraftstoffe                         | 212           | 164           | 126           | 306           | 147             | 18         | 21         | 144               | 330           | 3%            | 147           | 23         | 20         | 386               | 576           | 3%            |
| Druckerzeugnisse                             | 137           | 118           | 118           | 70            | 70              | -          | -          | 0                 | 70            | 1%            | 74            | -          | -          | 9                 | 83            | 0%            |
| Externes Rechenzentrum                       | -             | -             | -             | -             | -               | -          | -          | -                 | -             | -             | 14            | -          | -          | 8                 | 22            | 0%            |
| Entsorgung                                   | -             | 93            | 120           | 84            | 41              | 3          | 2          | 6                 | 52            | 0%            | 56            | 2          | 1          | 7                 | 66            | 0%            |
| Bahnfahrten                                  | 89            | 84            | 28            | 27            | 76              | 5          | 6          | 21                | 107           | 1%            | 25            | 2          | 3          | 10                | 39            | 0%            |
| Wasser                                       | 28            | 23            | 29            | 8             | 2               | 0          | 0          | 0                 | 3             | 0%            | 5             | 1          | 0          | 2                 | 8             | 0%            |
| <b>Summe</b>                                 | <b>9.703</b>  | <b>9.443</b>  | <b>7.909</b>  | <b>6.128</b>  | <b>4.821</b>    | <b>427</b> | <b>264</b> | <b>1.482</b>      | <b>6.993</b>  | <b>53%</b>    | <b>6.315</b>  | <b>614</b> | <b>324</b> | <b>2.775</b>      | <b>10.029</b> | <b>59%</b>    |
| <b>Gesamt</b>                                | <b>17.872</b> | <b>16.874</b> | <b>13.329</b> | <b>13.695</b> | <b>9.505</b>    | <b>765</b> | <b>468</b> | <b>2.409</b>      | <b>13.146</b> | <b>100,0%</b> | <b>10.831</b> | <b>931</b> | <b>498</b> | <b>4.867</b>      | <b>17.127</b> | <b>100,0%</b> |
| <b>Gesamt (inkl. Unsicherheitszuschlag*)</b> | <b>19.659</b> | <b>17.717</b> | <b>13.995</b> | <b>14.380</b> | <b>13.803</b>   |            |            |                   |               |               | <b>17.983</b> |            |            |                   |               |               |

\* Im Basisjahr 2018 liegt der Unsicherheitszuschlag bei 10%.  
Die Folgejahre beinhalten aufgrund von Zunahmen in der Datenqualität 5%.