

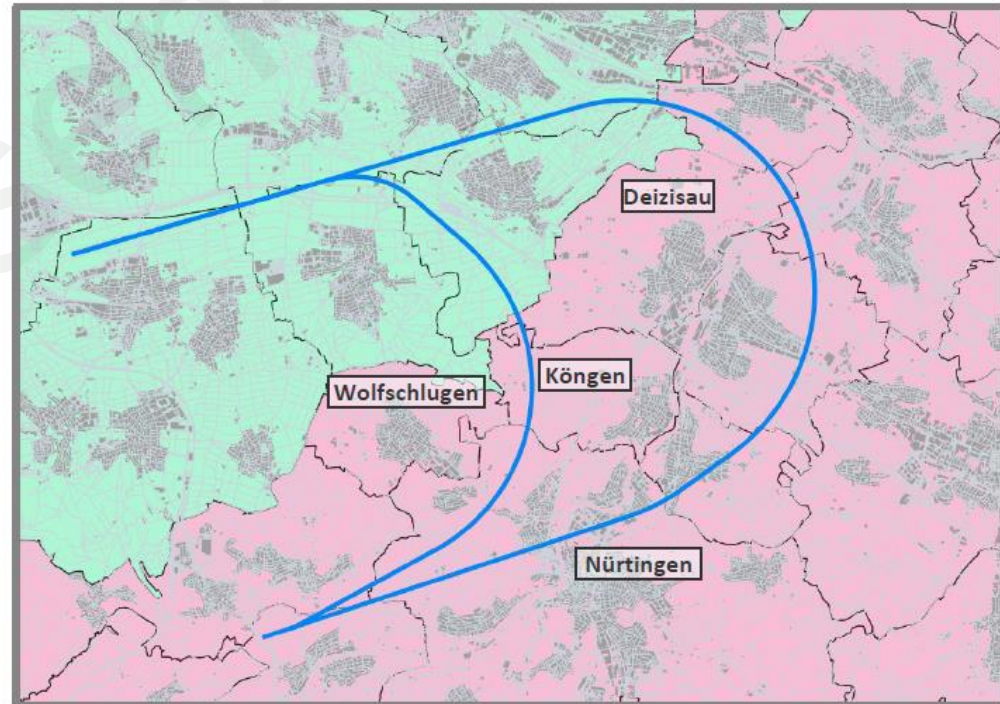
# Flughafen Stuttgart – Routenanpassung TEDGO

## Lärmtechnische Bewertung

Ergebnispräsentation Gemeinde Neuhausen

12. April 2022

Markus Petz

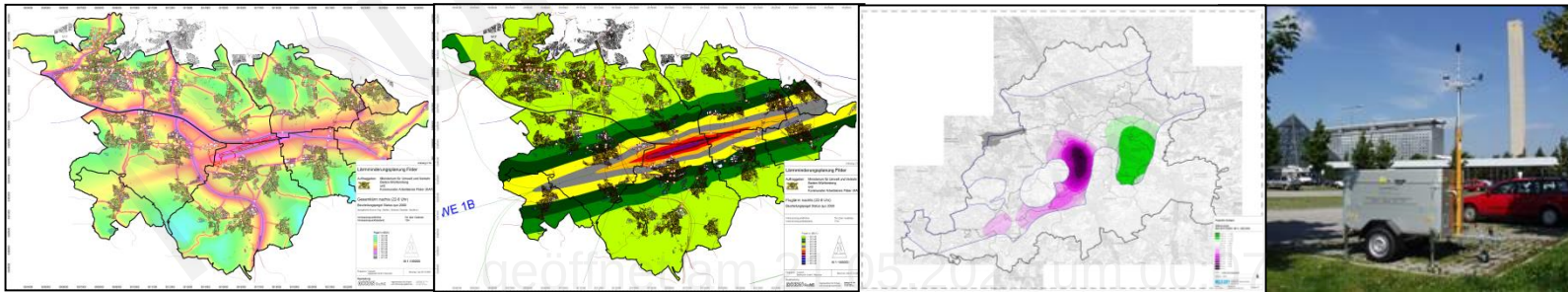


Dipl. Geophys. Markus Petz

Geschäftsführer der ACCON GmbH mit Sitz in Greifenberg

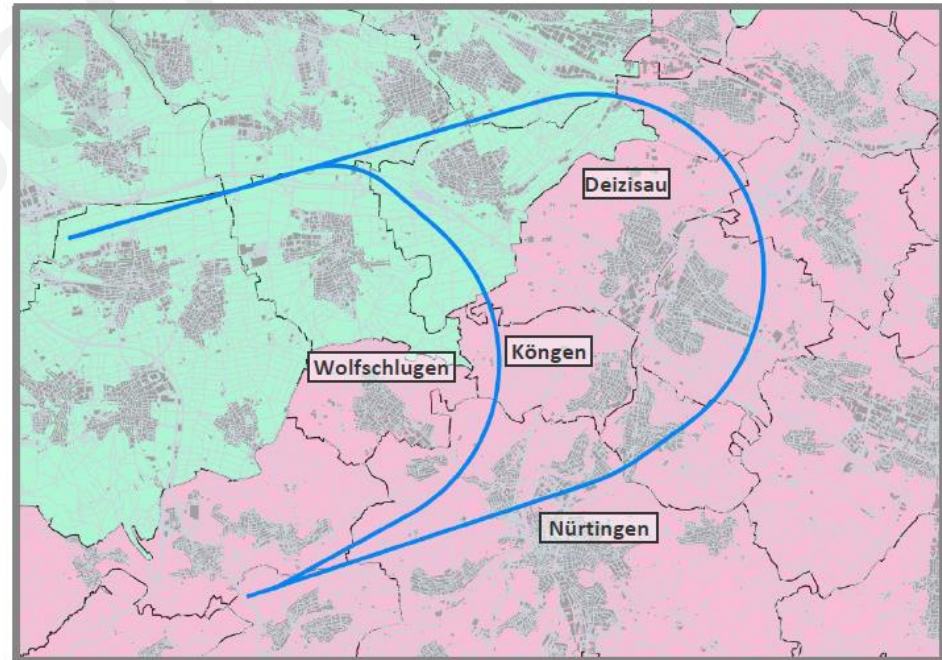
Hauptbetätigungsfeld: Fluglärmuntersuchungen

- für Luftrechtliche Genehmigungsverfahren
- für die Strategische Lärmkartierung nach Umgebungslärmrichtlinie
- für die Lärmaktionsplanung im Auftrag von Ministerien, Gemeinden und Flughäfen
- als Lärmschutznachweis zur Überwachung von Auflagen in der Betriebsgenehmigung



# Sachverhaltsdarstellung

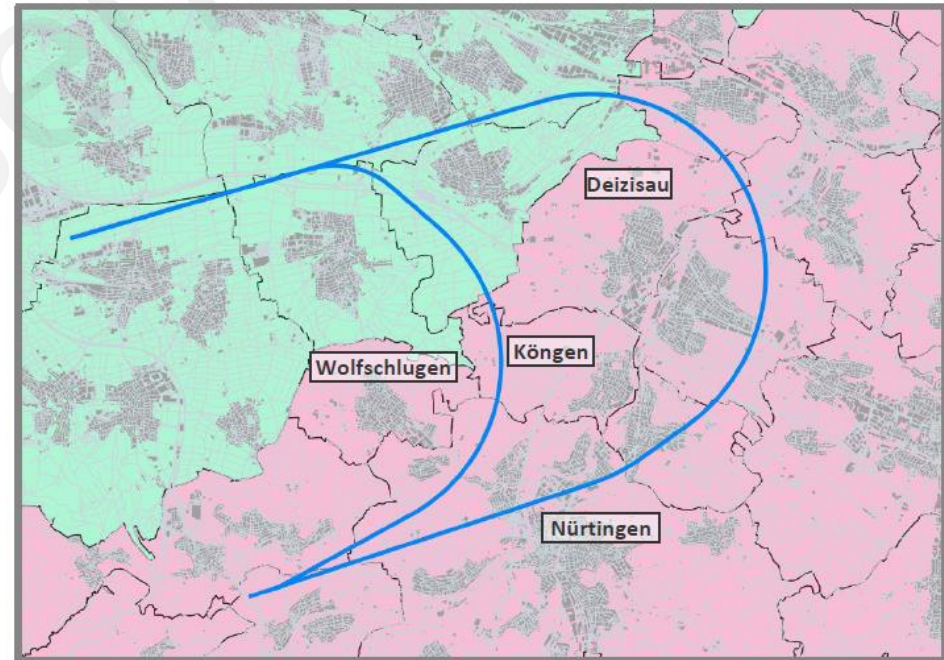
- Neue Flugverfahren werden durch die DFS Deutsche Flugsicherung GmbH (DFS) geplant und vom Bundesaufsichtsamt für Flugsicherung (BAF) durch Rechtsverordnung festgelegt.
- Vor der Antragstellung eines neuen Flugverfahrens ist die Fluglärmkommission zu den beabsichtigten Maßnahmen anzuhören. Die DFS ist dabei nicht an die Empfehlung der Fluglärmkommission gebunden
- Auf Vorschlag der Eurowings GmbH und der Deutschen Lufthansa AG hat die DFS Varianten einer neuen RNP-basierten Abflugroute (Required Navigation Performance) geplant und in der Fluglärmkommission vorgestellt
- Die neue Abflugroute gilt für Starts in Richtung Osten und endet am Wegpunkt TEDGO südlich des Flughafens
- Route TEDGO\_neu soll zusätzlich zur bestehenden Route (TEDGO\_alt) eingeführt werden
- Erwartete Auslastung ca. 30 %



# Sachverhaltsdarstellung

Ziele der geplanten Routenanpassung:

- Umfliegung von Räumen mit hoher Bevölkerungsdichte und damit geringere negative Auswirkungen des Fluglärms
- Großräumige Lärmentlastung und gleichzeitige Reduktion der Emissionen bei geringer Umbelastung
- kürzere Flugstrecken und -zeiten
- CO2-Einsparung



Fluglärmbeurteilungen zum in Diskussion stehenden neuen Abflugverfahren RWY 07 zum Wegpunkt TEDGO:

- Rechnerische Ermittlung der Fluglärmbelastung (Mittelungspegel) im Beurteilungszeitraum Tag (06 bis 22 Uhr) im Untersuchungsgebiet für
  - den heutigen Flugbetrieb (Referenzjahr 2019) und
  - den künftigen Flugbetrieb (Prognosejahr 2030)unter Zugrundelegung von
  - 0 %
  - 33 %
  - 100 %Umverlegung von Abflügen von TEDGO\_alt auf TEDGO\_neu
- Rechnerische Ermittlung der Maximalpegel im Untersuchungsgebiet
- Rechnerische Ermittlung der Maximalpegelverteilung in 1-dB- und 5-dB-Klassen für ausgewählte Immissionsorte
- Rechnerische Ermittlung der Anzahl hoch lärmbelästigter Personen (HA, highly annoyed) unter Anwendung der aktuellen Expositions-Wirkungsbeziehung nach UBA (2019) für jedes Szenario gemeindespezifisch und summarisch

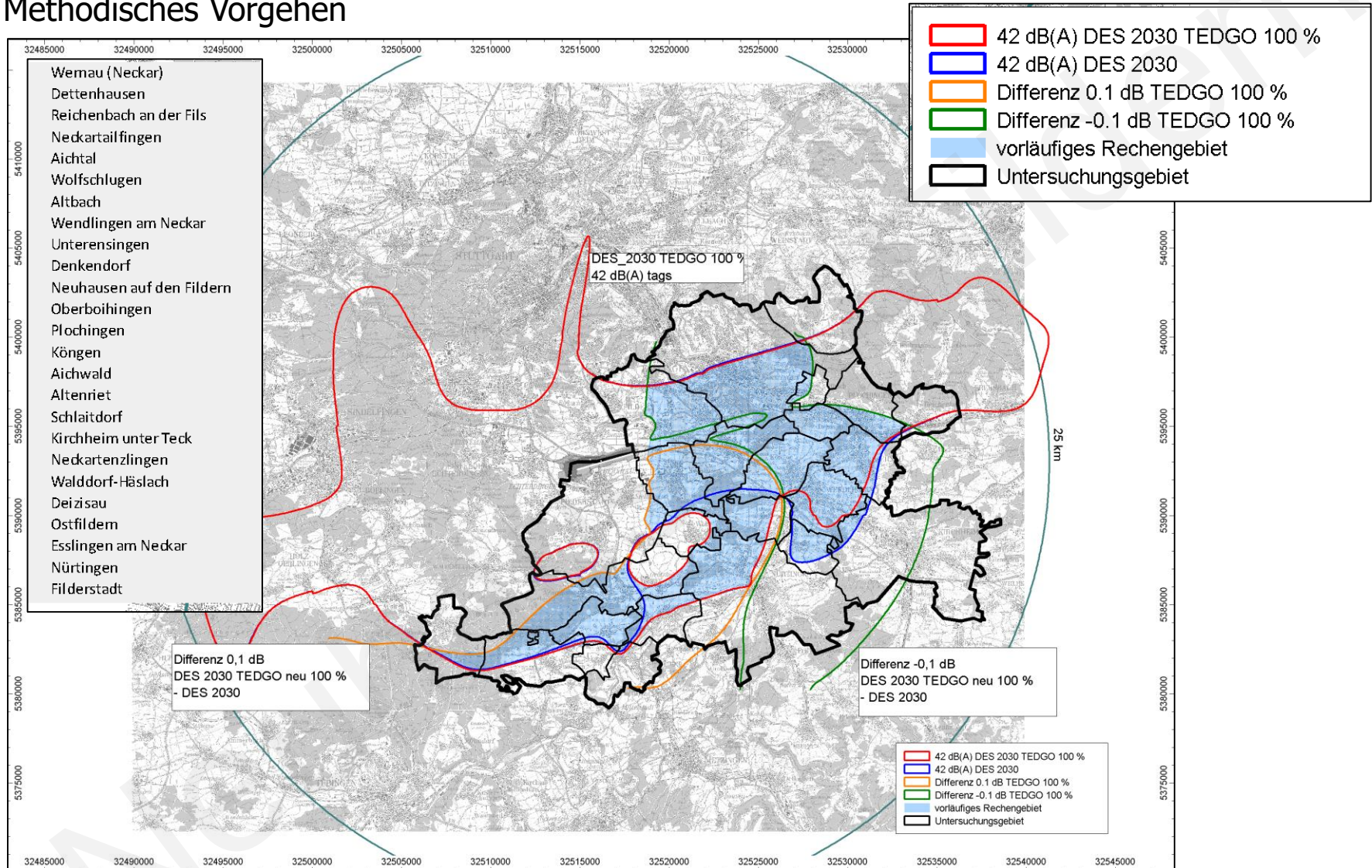
# Flugbewegungszahlen (6vM) 2019/2030

| Flugbewegungen |                 | gesamt | davon TEDGO | davon TEDGO alt | davon TEDGO neu |
|----------------|-----------------|--------|-------------|-----------------|-----------------|
| 2019           | 0 % TEDGO neu   | 76.747 | 1.403       | 1.403           | 0               |
| 2019           | 33 % TEDGO neu  | 76.747 | 1.403       | 937             | 466             |
| 2019           | 100 % TEDGO neu | 76.747 | 1.403       | 5               | 1.398           |
| 2030           | 0 % TEDGO neu   | 84.016 | 1.548       | 1.548           | 0               |
| 2030           | 33 % TEDGO neu  | 84.016 | 1.548       | 1.037           | 511             |
| 2030           | 100 % TEDGO neu | 84.016 | 1.548       | 14              | 1.534           |

Tabelle: Flugbewegungszahlen in den 6 verkehrsreichsten Monaten

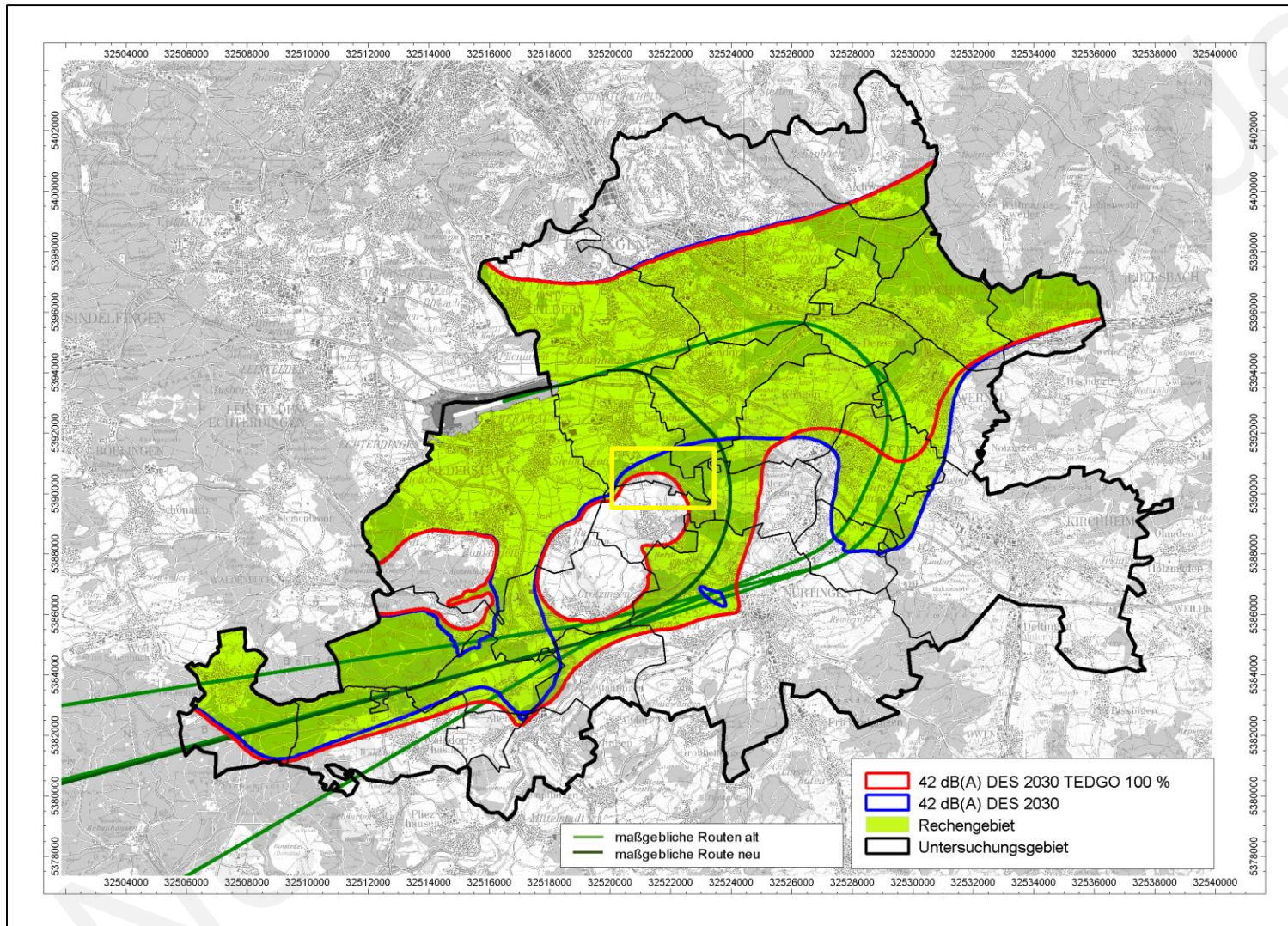
# Festlegung des Untersuchungsgebiets

## Methodisches Vorgehen

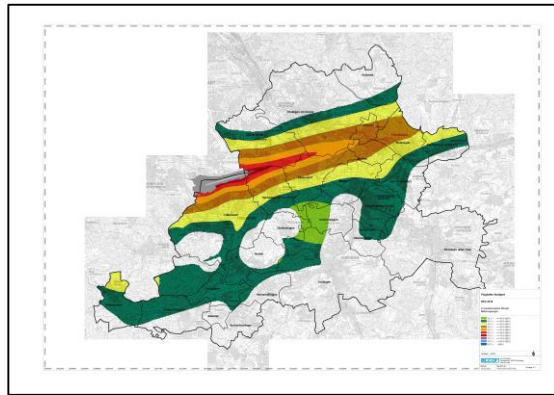


# Darstellung des finalen Untersuchungsgebiets

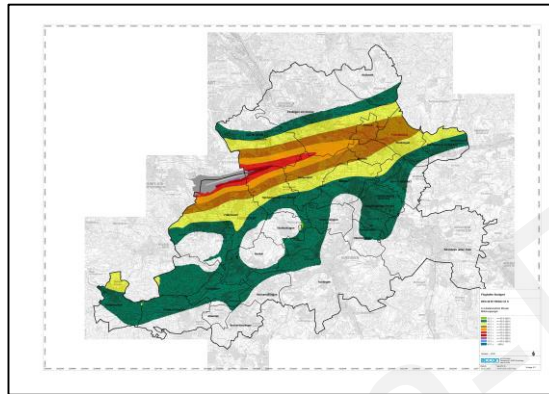
## Methodisches Vorgehen



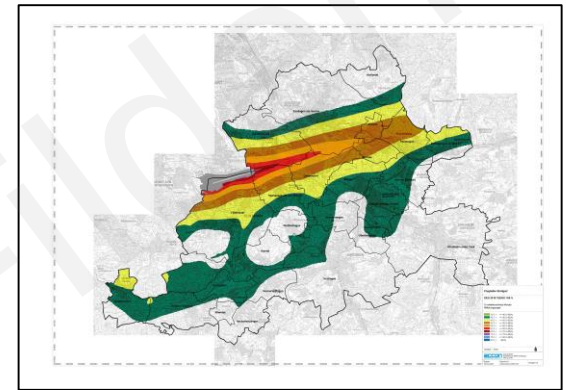
# Fluglärmbelastung im Untersuchungsgebiet 2019



2019

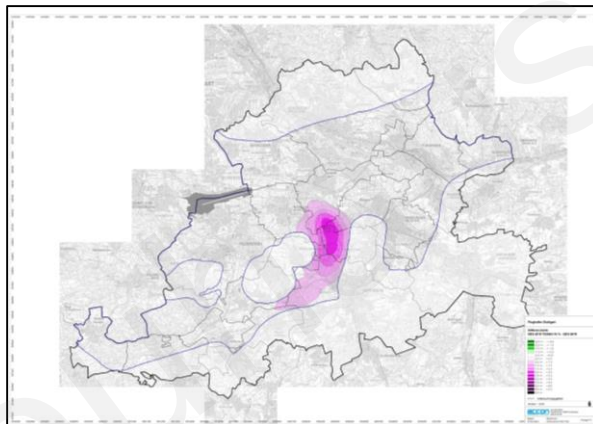


2019 mit 33% TEDGO

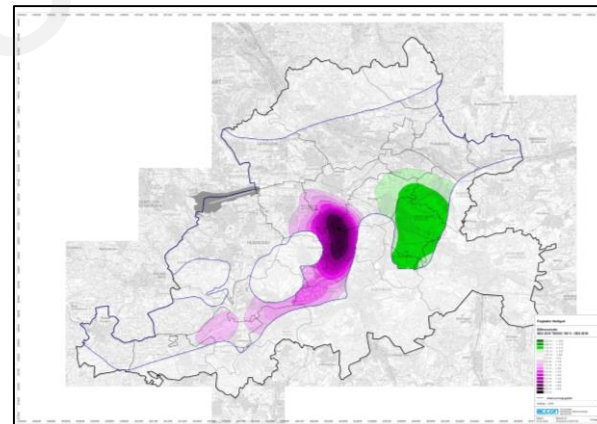


2019 mit 100% TEDGO

## Veränderung der Fluglärmbelastung



(2019) – (2019 mit 33% TEDGO)



(2019) – (2019 mit 100% TEDGO)

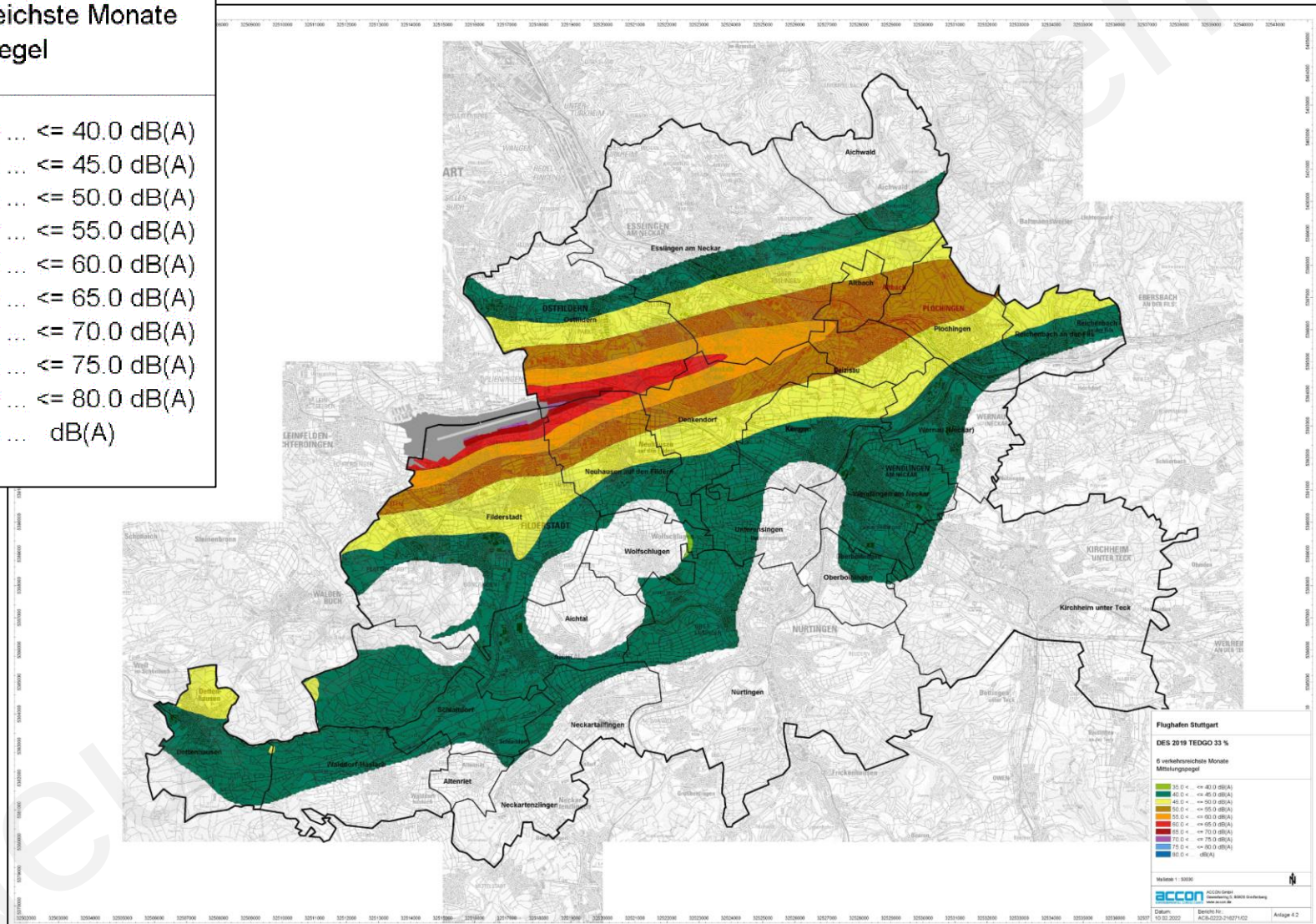


**accn**  
ENVIRONMENTAL CONSULTANTS

# Fluglärmbelastung 2019 mit 33% TEDGO Abflügen

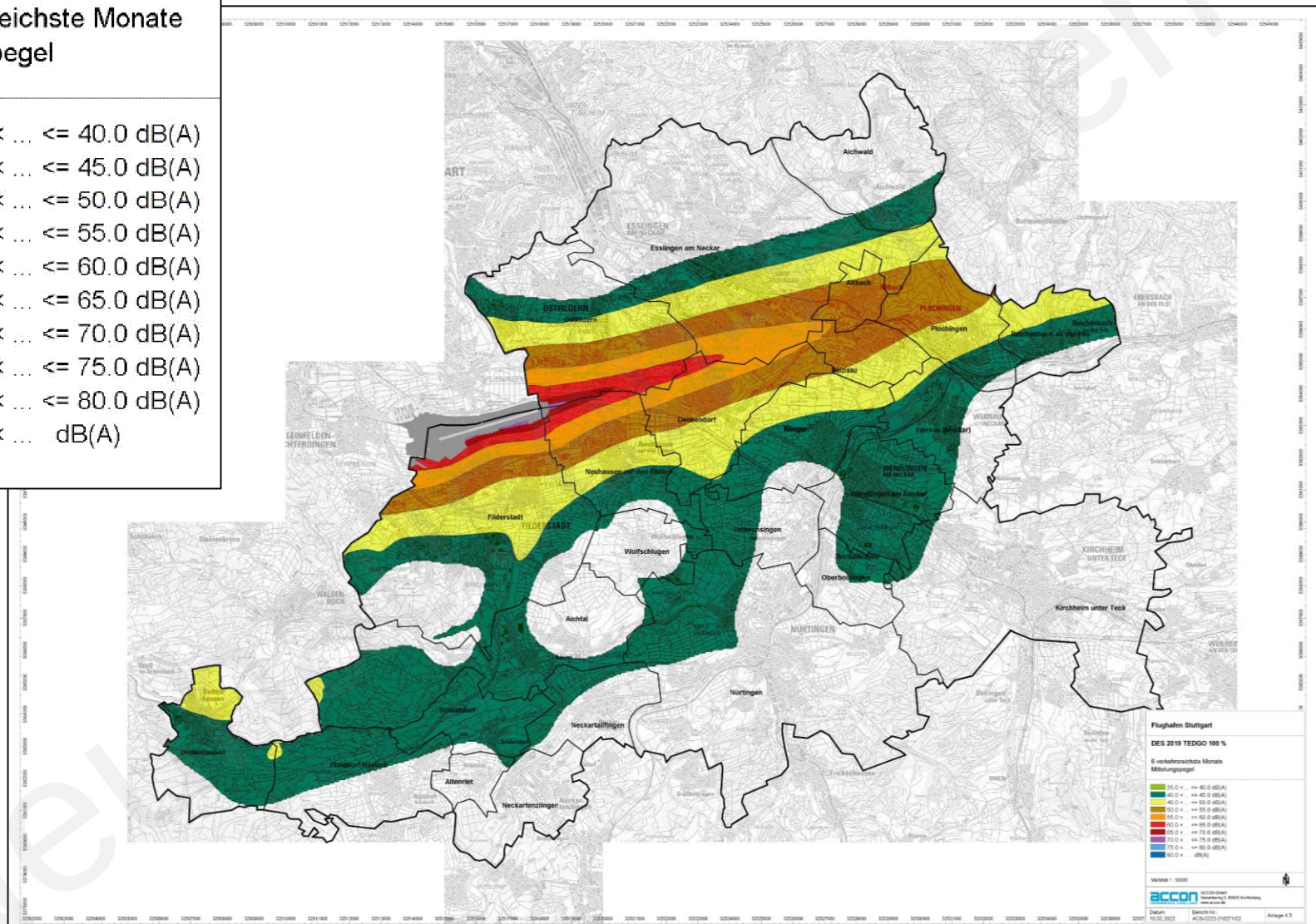
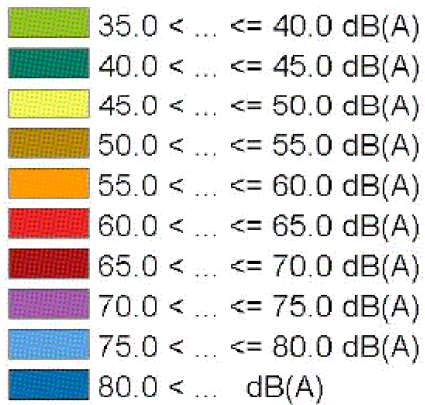
## 6 verkehrsreichste Monate Mittelungspegel

|                                                                                   |                          |
|-----------------------------------------------------------------------------------|--------------------------|
|  | 35.0 < ... <= 40.0 dB(A) |
|  | 40.0 < ... <= 45.0 dB(A) |
|  | 45.0 < ... <= 50.0 dB(A) |
|  | 50.0 < ... <= 55.0 dB(A) |
|  | 55.0 < ... <= 60.0 dB(A) |
|  | 60.0 < ... <= 65.0 dB(A) |
|  | 65.0 < ... <= 70.0 dB(A) |
|  | 70.0 < ... <= 75.0 dB(A) |
|  | 75.0 < ... <= 80.0 dB(A) |
|  | 80.0 < ... dB(A)         |

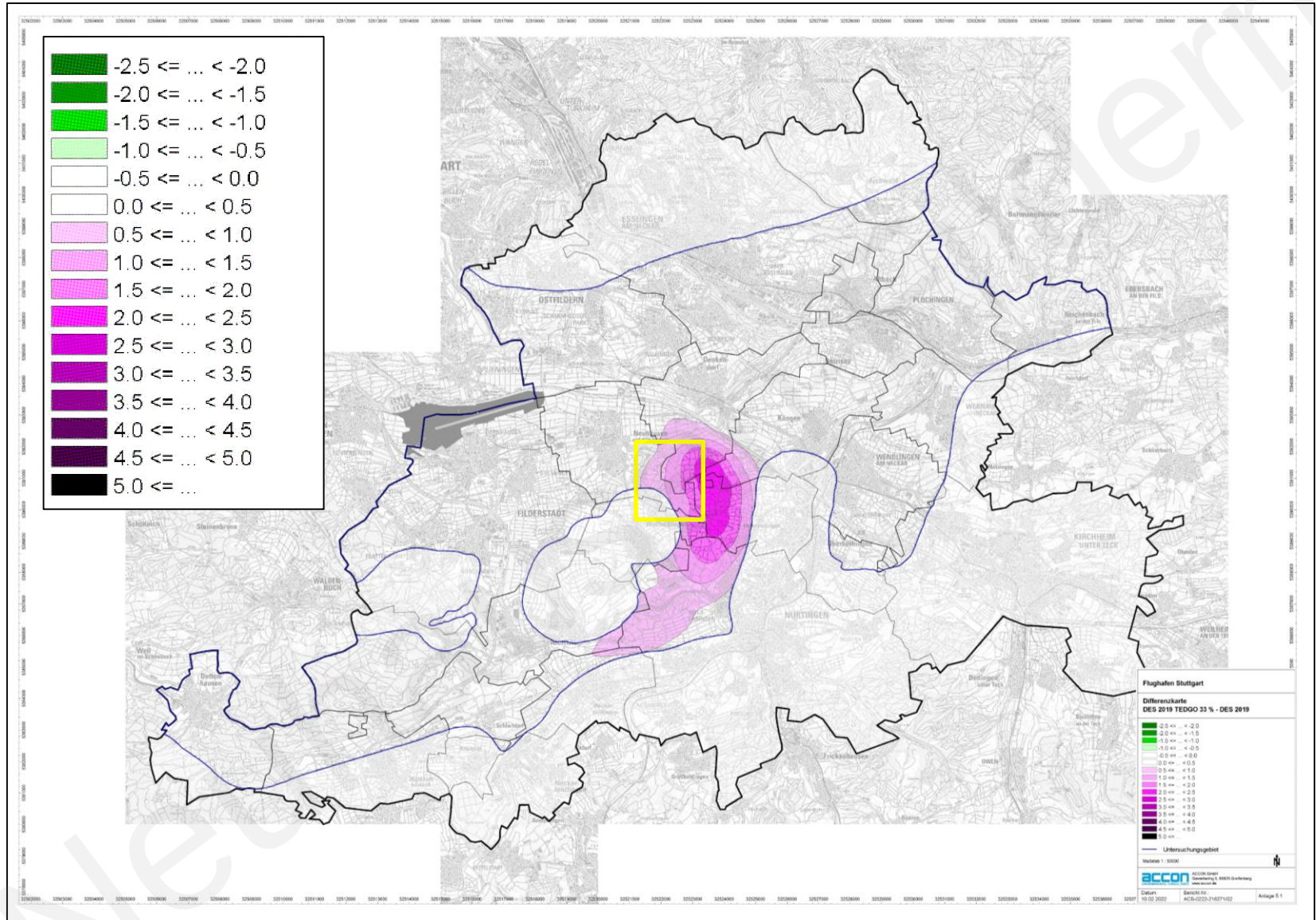


# Fluglärmbelastung 2019 mit 100% TEDGO Abflügen

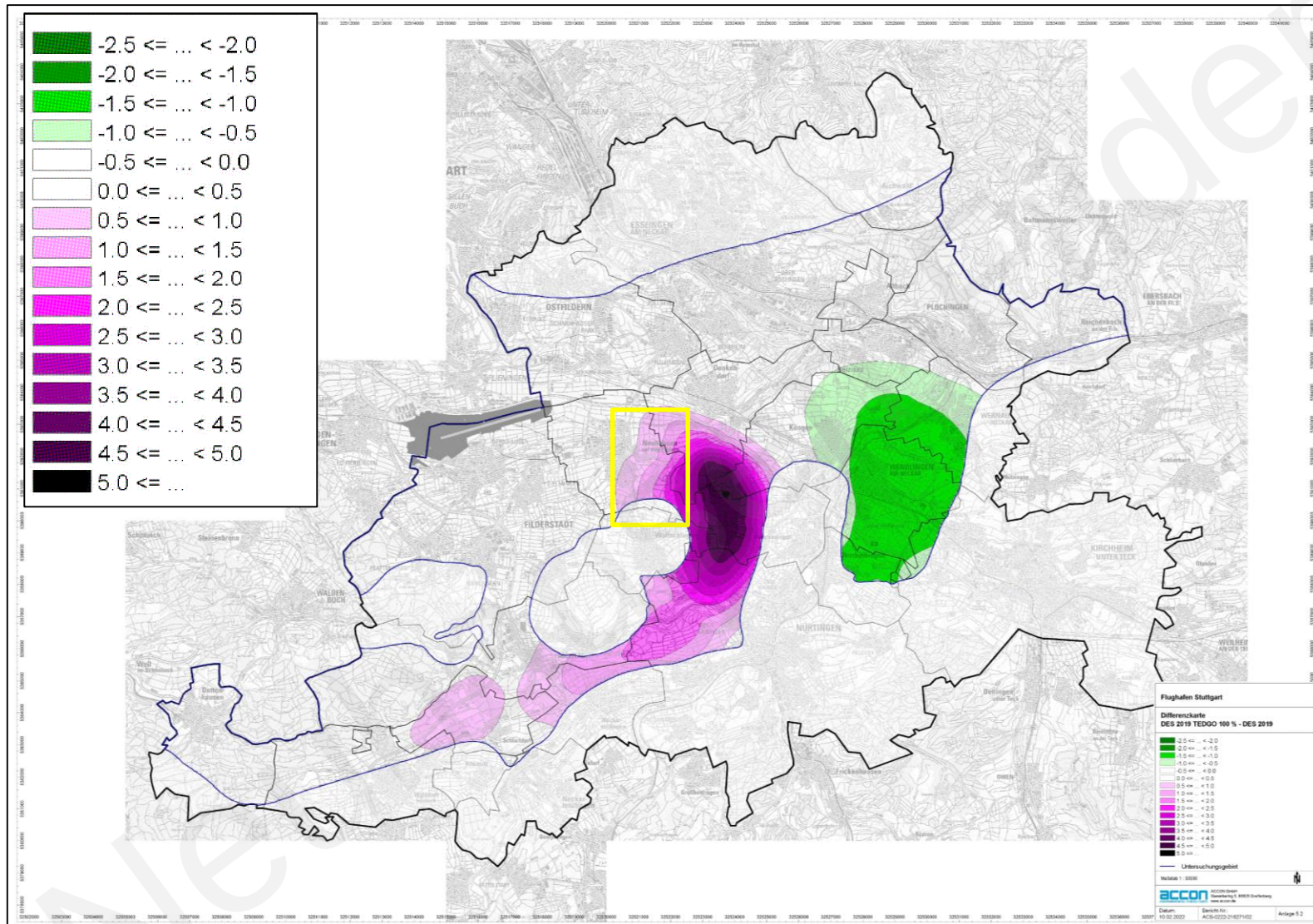
## 6 verkehrsreichste Monate Mittelungspegel



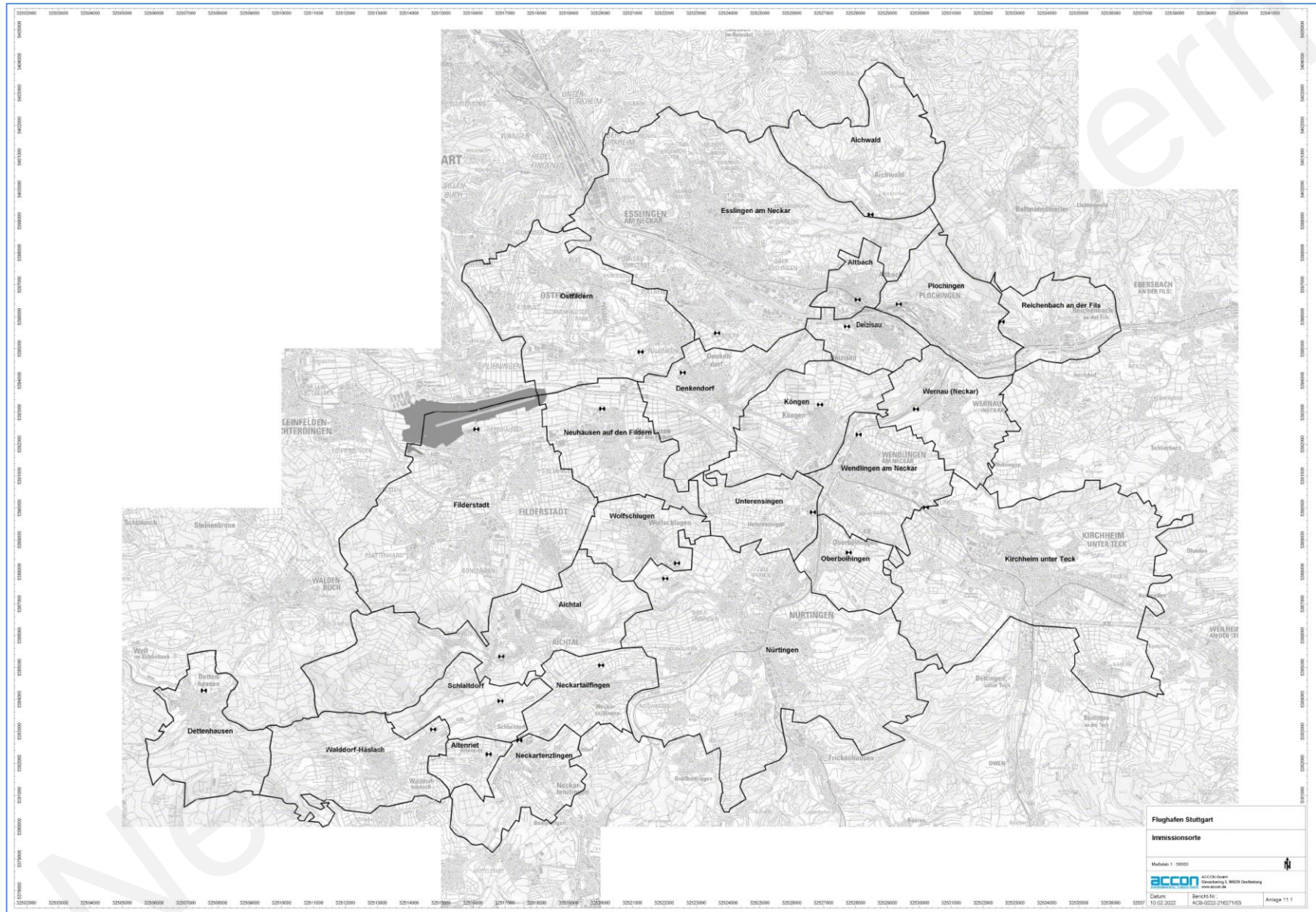
# Fluglärmdifferenz 2019 33% TEDGO minus 2019



# Fluglärmdifferenz 2019 100% TEDGO minus 2019



# Gemeindespezifisch ausgewählten Immissionsorte

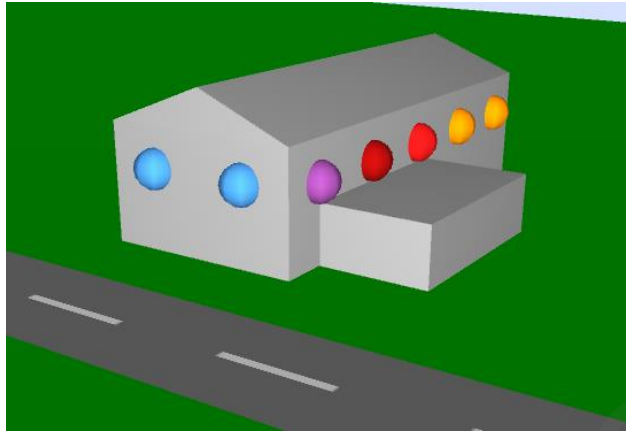


# Gemeindespezifische Fluglärmbelastung an ausgewählten IOs

| Leq (06-22 Uhr) dB(A)     | 2019 | 2019 33 % TEDGO | 2019 100 % TEDGO | 2030 | 2030 33 % TEDGO | 2030 100 % TEDGO |
|---------------------------|------|-----------------|------------------|------|-----------------|------------------|
| Aichtal                   | 43,1 | 43,2            | 43,5             | 43,1 | 43,2            | 43,5             |
| Aichwald                  | 43,5 | 43,5            | 43,4             | 44,1 | 44,1            | 44,0             |
| Altbach                   | 54,0 | 54,0            | 54,0             | 54,0 | 54,0            | 54,0             |
| Altenriet                 | 41,0 | 41,1            | 41,3             | 41,2 | 41,3            | 41,5             |
| Deizisau                  | 53,5 | 53,4            | 53,3             | 54,0 | 53,9            | 53,8             |
| Denkendorf                | 57,5 | 57,5            | 57,4             | 58,1 | 58,0            | 58,0             |
| Dettenhausen              | 45,5 | 45,5            | 45,6             | 46,2 | 46,3            | 46,3             |
| Esslingen                 | 58,5 | 58,4            | 58,3             | 59,1 | 59,0            | 58,9             |
| Filderstadt               | 63,8 | 63,8            | 63,8             | 64,2 | 64,2            | 64,2             |
| Kirchheim unter Teck      | 41,9 | 41,6            | 40,7             | 42,4 | 42,0            | 41,2             |
| Köngen                    | 45,2 | 44,9            | 44,5             | 45,6 | 45,4            | 45,0             |
| Neckartailfingen          | 40,2 | 40,6            | 41,4             | 40,9 | 41,3            | 42,1             |
| Neckartenzlingen          | 41,9 | 42,0            | 42,1             | 41,8 | 41,9            | 42,1             |
| Neuhausen auf den Fildern | 55,0 | 55,1            | 55,3             | 55,4 | 55,6            | 55,8             |
| Nurtingen                 | 41,4 | 42,0            | 42,9             | 41,4 | 42,0            | 43,0             |
| Oberboihingen             | 41,9 | 41,5            | 40,7             | 42,3 | 42,0            | 41,1             |
| Ostfildern                | 58,9 | 58,8            | 58,8             | 59,4 | 59,4            | 59,3             |
| Plochingen                | 52,7 | 52,7            | 52,6             | 53,3 | 53,2            | 53,2             |
| Reichenbach an der Fils   | 45,4 | 45,4            | 45,4             | 46,0 | 46,0            | 45,9             |
| Schlaitdorf               | 43,3 | 43,4            | 43,7             | 43,3 | 43,5            | 43,8             |
| Unterensingen             | 41,0 | 40,8            | 40,5             | 41,1 | 41,0            | 40,6             |
| Walddorf-Häslach          | 41,1 | 41,3            | 41,6             | 41,8 | 42,0            | 42,3             |
| Wendlingen am Neckar      | 43,4 | 43,0            | 42,2             | 43,8 | 43,4            | 42,6             |
| Wernau am Neckar          | 44,3 | 44,0            | 43,2             | 44,8 | 44,4            | 43,6             |
| Wolfschlugen              | 39,8 | 40,7            | 42,1             | 40,1 | 41,0            | 42,4             |

Tabelle: Gemeindespezifische Fluglärmbelastung an ausgewählten Immissionsorten 2019/2030

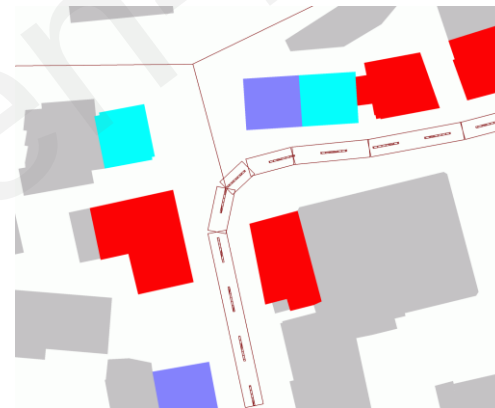
# Ermittlung Anzahl Einwohner in Pegelklassen



Fassadenpegel ( $L_{DEN}$ )



Einwohner je Gebäude



Ergebnis: Anzahl EW in definierten Pegelklassen  
sowie EW HA (highly annoyed) je Gebäude

# Vergleich Belastete EW 2019 in 1-dB-Pegelklassen

|           |     | 1       | 2        | 3       | 4         | 5        | 6          | 7            | 8         | 9           | 10                   | 11      | 12               | 13               | 14                        | 15        | 16            | 17         | 18         | 19                      | 20         | 21            | 22               | 23                   | 24               | 25           |
|-----------|-----|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|----------------------|---------|------------------|------------------|---------------------------|-----------|---------------|------------|------------|-------------------------|------------|---------------|------------------|----------------------|------------------|--------------|
| Intervall |     | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim unter Teck | Königen | Neckartailfingen | Neckartenzlingen | Neuhausen auf den Fildern | Nürtingen | Oberboihingen | Ostfildern | Plochingen | Reichenbach an der Fils | Schlaithof | Unterensingen | Walldorf-Haslach | Wendlingen am Neckar | Wernau am Neckar | Wolfschlugen |
| von       | bis |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 42        |     | 0       | 6020     | 0       | 446       | 0        | 0          | 0            | 40213     | 0           | 33986                | 0       | 0                | 462              | 0                         | 6685      | 0             | 2215       | 0          | 73                      | 0          | 10            | 323              | 0                    | 0                | 37           |
| 42        | 43  | 1944    | 310      | 0       | 1523      | 0        | 0          | 0            | 7100      | 282         | 2450                 | 0       | 2220             | 4621             | 0                         | 8542      | 0             | 3044       | 0          | 1970                    | 0          | 557           | 1396             | 0                    | 32               | 4716         |
| 43        | 44  | 4929    | 146      | 0       | 0         | 0        | 0          | 0            | 7074      | 4067        | 3665                 | 766     | 1788             | 1439             | 0                         | 12918     | 825           | 2732       | 0          | 3963                    | 1069       | 4265          | 3592             | 5                    | 108              | 1724         |
| 44        | 45  | 3222    | 773      | 0       | 0         | 0        | 0          | 0            | 5226      | 6865        | 1717                 | 2173    | 0                | 0                | 38                        | 12604     | 4811          | 1286       | 128        | 1500                    | 907        | 0             | 11               | 5070                 | 3667             | 18           |
| 45        | 46  | 0       | 769      | 0       | 0         | 0        | 0          | 8            | 4658      | 4831        | 0                    | 3029    | 0                | 0                | 371                       | 0         | 33            | 1462       | 2954       | 842                     | 0          | 0             | 0                | 9687                 | 5261             | 0            |
| 46        | 47  | 0       | 3        | 0       | 0         | 0        | 0          | 1024         | 5099      | 4394        | 0                    | 2618    | 0                | 0                | 832                       | 0         | 0             | 3171       | 1453       | 231                     | 0          | 0             | 0                | 1808                 | 3037             | 0            |
| 47        | 48  | 0       | 0        | 0       | 0         | 0        | 0          | 2367         | 4725      | 2291        | 0                    | 1236    | 0                | 0                | 1352                      | 0         | 0             | 2767       | 3548       | 1                       | 0          | 0             | 0                | 0                    | 608              | 0            |
| 48        | 49  | 0       | 0        | 0       | 0         | 0        | 153        | 1832         | 2745      | 2387        | 0                    | 39      | 0                | 0                | 1573                      | 0         | 0             | 2361       | 2909       | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 49        | 50  | 0       | 0        | 0       | 0         | 0        | 297        | 42           | 2424      | 1778        | 0                    | 39      | 0                | 0                | 1135                      | 0         | 0             | 2252       | 2391       | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 50        | 51  | 0       | 0        | 4       | 0         | 784      | 402        | 0            | 1961      | 1320        | 0                    | 35      | 0                | 0                | 1029                      | 0         | 0             | 1363       | 458        | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 51        | 52  | 0       | 0        | 330     | 0         | 1507     | 1278       | 0            | 2049      | 932         | 0                    | 8       | 0                | 0                | 1185                      | 0         | 0             | 1472       | 182        | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 52        | 53  | 0       | 0        | 2371    | 0         | 2230     | 1086       | 0            | 3144      | 1376        | 0                    | 0       | 0                | 0                | 1352                      | 0         | 0             | 1205       | 542        | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 53        | 54  | 0       | 0        | 3375    | 0         | 2335     | 1415       | 0            | 2635      | 2280        | 0                    | 0       | 0                | 0                | 1143                      | 0         | 0             | 1561       | 10         | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 54        | 55  | 0       | 0        | 150     | 0         | 78       | 1829       | 0            | 1968      | 1986        | 0                    | 0       | 0                | 0                | 1204                      | 0         | 0             | 1789       | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 55        | 56  | 0       | 0        | 0       | 0         | 21       | 1969       | 0            | 1312      | 1441        | 0                    | 0       | 0                | 0                | 655                       | 0         | 0             | 2669       | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 56        | 57  | 0       | 0        | 0       | 0         | 0        | 1457       | 0            | 867       | 1529        | 0                    | 0       | 0                | 0                | 284                       | 0         | 0             | 2535       | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 57        | 58  | 0       | 0        | 0       | 0         | 0        | 1159       | 0            | 433       | 1887        | 0                    | 0       | 0                | 0                | 42                        | 0         | 0             | 1868       | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 58        | 59  | 0       | 0        | 0       | 0         | 0        | 254        | 0            | 44        | 1175        | 0                    | 0       | 0                | 0                | 6                         | 0         | 0             | 1895       | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 59        | 60  | 0       | 0        | 0       | 0         | 0        | 19         | 0            | 15        | 1020        | 0                    | 0       | 0                | 0                | 7                         | 0         | 0             | 589        | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 60        | 61  | 0       | 0        | 0       | 0         | 0        | 5          | 0            | 0         | 913         | 0                    | 0       | 0                | 0                | 15                        | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 61        | 62  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 744         | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 7          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 62        | 63  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 691         | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 28         | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 63        | 64  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 575         | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 64        | 65  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 776         | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 65        | 66  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 417         | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 66        | 67  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 93          | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 67        | 68  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 3           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 68        | 69  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 2           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 69        | 70  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 70        |     | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| Gesamt    |     | 10095   | 8021     | 6230    | 1969      | 6955     | 11323      | 5273         | 93692     | 46055       | 41818                | 9943    | 4008             | 6522             | 12223                     | 40749     | 5669          | 38271      | 14575      | 8580                    | 1976       | 4832          | 5322             | 16570                | 12713            | 6495         |

# Veränderung Belastete EW bei 33% TEDGO

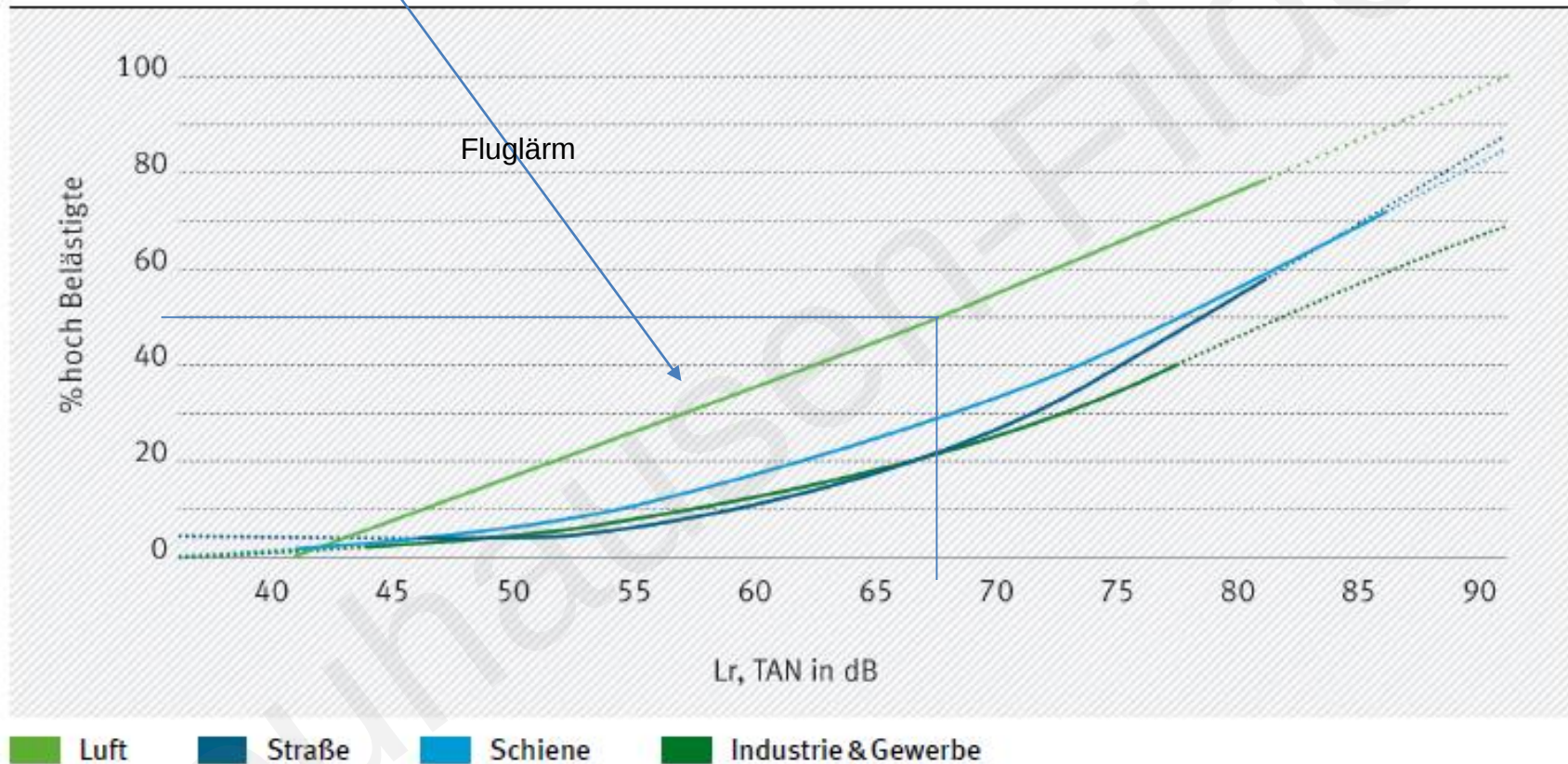
|           |     | 1       | 2        | 3       | 4         | 5        | 6          | 7            | 8         | 9           | 10                   | 11      | 12               | 13               | 14                        | 15        | 16            | 17         | 18         | 19                      | 20          | 21            | 22               | 23                   | 24               | 25           |
|-----------|-----|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|----------------------|---------|------------------|------------------|---------------------------|-----------|---------------|------------|------------|-------------------------|-------------|---------------|------------------|----------------------|------------------|--------------|
| Intervall |     | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim unter Teck | Königen | Neckartailfingen | Neckartenzlingen | Neuhausen auf den Fildern | Nürtingen | Oberboihingen | Ostfildern | Plochingen | Reichenbach an der Fils | Schlaitdorf | Unterensingen | Walddorf-Haslach | Wendlingen am Neckar | Wernau am Neckar | Wolfschlügen |
| von       | bis |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |             |               |                  |                      |                  |              |
|           | 42  |         | 5        |         | -188      |          |            |              | 626       |             | 715                  |         |                  | -68              |                           | 178       |               | 18         |            |                         |             | -10           | -125             |                      |                  | -37          |
| 42        | 43  | -1926   | -5       |         | 188       |          |            |              | 217       | -135        | 580                  |         | -1548            | -619             |                           | -891      |               | 69         |            | 119                     |             | -557          | -104             |                      | 5                | -2553        |
| 43        | 44  | 742     | 22       |         |           |          |            |              | 105       | -11         | -36                  | 231     | 1548             | 687              |                           | 729       | 2870          | -11        |            | -98                     | -866        | 557           | -182             | 371                  | 671              | 2270         |
| 44        | 45  | 1118    | 3        |         |           |          |            |              | -360      | 60          | -1259                | 760     |                  |                  |                           | -558      | -2837         | -41        | 61         | 11                      | 866         | 10            | 411              | 3803                 | 1253             | 320          |
| 45        | 46  | 66      | -25      |         |           |          |            | -4           | -12       | 50          |                      | -278    |                  |                  | -224                      | 542       | -33           | 145        | 128        | -32                     |             |               |                  | -2427                | -459             |              |
| 46        | 47  |         |          |         |           |          |            | -68          | 101       | 34          |                      | -102    |                  |                  | -68                       |           |               | -141       | -2         |                         |             |               |                  | -1747                | -892             |              |
| 47        | 48  |         |          |         |           |          |            | 28           | -335      | -1          |                      | -606    |                  |                  | -47                       |           |               | -14        | 18         |                         |             |               |                  |                      | -578             |              |
| 48        | 49  |         |          |         |           |          | -59        | 44           | 36        | -50         |                      | -5      |                  |                  | 86                        |           |               | 80         | -77        |                         |             |               |                  |                      |                  |              |
| 49        | 50  |         |          |         |           | 15       | 38         |              | -52       | 53          |                      | 18      |                  |                  | -7                        |           |               | -87        | -109       |                         |             |               |                  |                      |                  |              |
| 50        | 51  |         |          |         |           | 323      | 78         |              | -135      | -5          |                      | -18     |                  |                  | 68                        |           |               | 53         | -14        |                         |             |               |                  |                      |                  |              |
| 51        | 52  |         |          | 140     |           | -147     | -130       |              | 158       | -1          |                      |         |                  |                  | -8                        |           |               | -14        | 10         |                         |             |               |                  |                      |                  |              |
| 52        | 53  |         |          | -48     |           | 462      | 55         |              | 9         | 6           |                      |         |                  |                  | -1                        |           |               | 36         | -15        |                         |             |               |                  |                      |                  |              |
| 53        | 54  |         |          | -39     |           | -632     | 137        |              |           |             |                      |         |                  |                  | 7                         |           |               | 71         |            |                         |             |               |                  |                      |                  |              |
| 54        | 55  |         |          | -53     |           | -2       | 9          |              | -147      |             |                      |         |                  |                  | 55                        |           |               | -55        |            |                         |             |               |                  |                      |                  |              |
| 55        | 56  |         |          |         |           | -19      | 85         |              | -27       | -1          |                      |         |                  |                  | -15                       |           |               | -53        |            |                         |             |               |                  |                      |                  |              |
| 56        | 57  |         |          |         |           |          | -61        |              | -76       | 1           |                      |         |                  |                  | 124                       |           |               | 1          |            |                         |             |               |                  |                      |                  |              |
| 57        | 58  |         |          |         |           |          | -94        |              | -91       |             |                      |         |                  |                  | 30                        |           |               | -75        |            |                         |             |               |                  |                      |                  |              |
| 58        | 59  |         |          |         |           |          | -58        |              | -14       |             |                      |         |                  |                  |                           |           |               | 49         |            |                         |             |               |                  |                      |                  |              |
| 59        | 60  |         |          |         |           |          | 5          |              | -3        |             |                      |         |                  |                  |                           |           |               | -31        |            |                         |             |               |                  |                      |                  |              |
| 60        | 61  |         |          |         |           |          | -5         |              |           |             |                      |         |                  |                  | -15                       |           |               |            |            |                         |             |               |                  |                      |                  |              |
| 61        | 62  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  | 15                        |           |               |            |            |                         |             |               |                  |                      |                  |              |
| 62        | 63  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |             |               |                  |                      |                  |              |
| 63        | 64  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |             |               |                  |                      |                  |              |
| 64        | 65  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |             |               |                  |                      |                  |              |
| 65        | 66  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |             |               |                  |                      |                  |              |
| 66        | 67  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |             |               |                  |                      |                  |              |
| 67        | 68  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |             |               |                  |                      |                  |              |
| 68        | 69  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |             |               |                  |                      |                  |              |
| 69        | 70  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |             |               |                  |                      |                  |              |
| 70        |     |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |             |               |                  |                      |                  |              |
| Gesamt    |     | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |

# Veränderung Belastete EW bei 100% TEDGO

|           |     | 1       | 2        | 3       | 4         | 5        | 6          | 7            | 8         | 9           | 10                   | 11      | 12               | 13               | 14                        | 15        | 16            | 17         | 18         | 19                      | 20         | 21            | 22               | 23                   | 24               | 25           |
|-----------|-----|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|----------------------|---------|------------------|------------------|---------------------------|-----------|---------------|------------|------------|-------------------------|------------|---------------|------------------|----------------------|------------------|--------------|
| Intervall |     | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim unter Teck | Königen | Neckartailfingen | Neckartenzlingen | Neuhausen auf den Fildern | Nürtingen | Oberboihingen | Ostfildern | Plochingen | Reichenbach an der Fils | Schlaithof | Unterensingen | Walddorf-Haslach | Wendlingen am Neckar | Wernau am Neckar | Wolfschlügen |
| von       | bis |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
|           | 42  |         | 28       |         | -413      |          |            |              | 2290      |             | 3021                 |         |                  | -193             |                           | 1371      |               | 191        |            | 9                       |            | -10           | -250             |                      | 37               | -37          |
| 42        | 43  | -1944   | -28      |         | 207       |          |            |              | -215      | -278        | 1995                 |         | -2220            | -1410            |                           | -86       | 2256          | 4          |            | 318                     |            | -283          | -354             |                      | 463              | -4716        |
| 43        | 44  | -3034   | 49       |         | 206       |          |            |              | 383       | -221        | -3299                | 1375    | 451              | 1603             |                           | 771       | 2588          | -51        |            | -202                    | -1069      | 271           | -1190            | 11061                | 4485             | 984          |
| 44        | 45  | 2850    | 24       |         |           |          |            |              | -837      | 199         | -1717                | 1515    | 1769             |                  | -38                       | -5417     | -4811         | -68        | 423        | -34                     | 758        | 12            | 1783             | 410                  | 904              | 3329         |
| 45        | 46  | 2128    | -73      |         |           |          |            | -8           | 325       | 190         |                      | -455    |                  |                  | -333                      | 2190      | -33           | 198        | 4          | -87                     | 311        |               | 11               | -9663                | -2303            | 440          |
| 46        | 47  |         |          |         |           |          |            | -223         | 201       | 72          |                      | -1237   |                  |                  | -278                      | 1171      |               | -203       | 227        | -4                      |            | 2             |                  | -1808                | -2978            |              |
| 47        | 48  |         |          |         |           |          |            | -31          | -931      | 4           |                      | -1179   |                  |                  | -343                      |           |               | 30         | 43         |                         |            | 8             |                  |                      | -608             |              |
| 48        | 49  |         |          |         |           |          | -150       | 247          | -261      | -60         |                      | 18      |                  |                  | -34                       |           |               | 128        | -333       |                         |            |               |                  |                      |                  |              |
| 49        | 50  |         |          | 4       |           | 339      | 126        | 15           | -20       | 65          |                      | -2      |                  |                  | 322                       |           |               | -188       | -250       |                         |            |               |                  |                      |                  |              |
| 50        | 51  |         |          | -4      |           | 544      | 99         |              | -173      | 9           |                      | -27     |                  |                  | 234                       |           |               | 311        | -92        |                         |            |               |                  |                      |                  |              |
| 51        | 52  |         |          | 297     |           | -111     | -268       |              | 251       | -1          |                      | -8      |                  |                  | -14                       |           |               | -128       | 29         |                         |            |               |                  |                      |                  |              |
| 52        | 53  |         |          | 114     |           | 806      | 175        |              | 165       | 18          |                      |         |                  |                  | -165                      |           |               | 79         | -48        |                         |            |               |                  |                      |                  |              |
| 53        | 54  |         |          |         |           | -358     |            | -1504        | 298       |             |                      |         |                  |                  | 179                       |           |               | 144        | -3         |                         |            |               |                  |                      |                  |              |
| 54        | 55  |         |          |         |           | -53      |            | -53          | 225       |             |                      |         |                  |                  | -20                       |           |               | -59        |            |                         |            |               |                  |                      |                  |              |
| 55        | 56  |         |          |         |           | -21      | 84         |              | -172      | 13          |                      |         |                  |                  | 172                       |           |               | -165       |            |                         |            |               |                  |                      |                  |              |
| 56        | 57  |         |          |         |           |          | -224       |              | -197      | 2           |                      |         |                  |                  | 218                       |           |               | 36         |            |                         |            |               |                  |                      |                  |              |
| 57        | 58  |         |          |         |           |          | -155       |              | -258      |             |                      |         |                  |                  | 100                       |           |               | -100       |            |                         |            |               |                  |                      |                  |              |
| 58        | 59  |         |          |         |           |          | -210       |              | -22       |             |                      |         |                  |                  |                           |           |               | 37         |            |                         |            |               |                  |                      |                  |              |
| 59        | 60  |         |          |         |           |          | 5          |              | -6        |             |                      |         |                  |                  |                           |           |               | -196       |            |                         |            |               |                  |                      |                  |              |
| 60        | 61  |         |          |         |           |          | -5         |              |           |             |                      |         |                  |                  | -15                       |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 61        | 62  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  | 15                        |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 62        | 63  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 63        | 64  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 64        | 65  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 65        | 66  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 66        | 67  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 67        | 68  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 68        | 69  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 69        | 70  |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 70        |     |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
| Gesamt    |     | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |

# Grundlage für die Ermittlung von HA

**Aktuelle Expositions-Wirkungs-Beziehung nach WHO-Review mit linearer  
Verlängerung am oberen und unteren Wertebereich**  
Prozentanteil hoch durch Lärm belastigter Personen (% HA)



Quelle: Anwendungsleitfaden für eine Gesamtlärmbewertung, UBA, Stand Januar 2019

# Hoch Lärmbetroffene (HA) in 1-dB-Pegelklassen 2019

|           |     | 1       | 2        | 3       | 4         | 5        | 6          | 7            | 8         | 9           | 10                   | 11      | 12               | 13               | 14                        | 15        | 16            | 17         | 18         | 19                      | 20         | 21            | 22               | 23                   | 24               | 25           |
|-----------|-----|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|----------------------|---------|------------------|------------------|---------------------------|-----------|---------------|------------|------------|-------------------------|------------|---------------|------------------|----------------------|------------------|--------------|
| Intervall |     | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim unter Teck | Königen | Neckartailfingen | Neckartenzlingen | Neuhausen auf den Fildern | Nürtingen | Oberboihingen | Ostfildern | Plochingen | Reichenbach an der Fils | Schlaithof | Unterensingen | Walddorf-Häslach | Wendlingen am Neckar | Wernau am Neckar | Wolfschlugen |
| von       | bis |         |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |            |               |                  |                      |                  |              |
| 42        | 43  | 420     | 350      | 0       | 103       | 0        | 0          | 0            | 3005      | 404         | 2195                 | 121     | 210              | 342              | 2                         | 2139      | 297           | 477        | 0          | 115                     | 35         | 254           | 279              | 186                  | 232              | 341          |
| 43        | 44  | 70      | 45       | 0       | 0         | 0        | 0          | 0            | 193       | 349         | 0                    | 179     | 0                | 0                | 10                        | 0         | 0             | 48         | 1          | 200                     | 54         | 0             | 0                | 620                  | 234              | 0            |
| 44        | 45  | 52      | 34       | 0       | 0         | 0        | 0          | 64           | 309       | 348         | 0                    | 164     | 0                | 0                | 54                        | 0         | 0             | 201        | 123        | 101                     | 19         | 0             | 0                | 84                   | 233              | 0            |
| 45        | 46  | 0       | 0        | 0       | 0         | 0        | 0          | 204          | 457       | 229         | 0                    | 144     | 0                | 0                | 110                       | 0         | 0             | 250        | 169        | 74                      | 0          | 0             | 0                | 0                    | 38               | 0            |
| 46        | 47  | 0       | 0        | 0       | 0         | 0        | 23         | 5            | 217       | 249         | 0                    | 3       | 0                | 0                | 130                       | 0         | 0             | 282        | 345        | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 47        | 48  | 0       | 0        | 0       | 0         | 0        | 35         | 0            | 301       | 247         | 0                    | 8       | 0                | 0                | 149                       | 0         | 0             | 195        | 294        | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 48        | 49  | 0       | 0        | 1       | 0         | 57       | 20         | 0            | 262       | 145         | 0                    | 2       | 0                | 0                | 165                       | 0         | 0             | 183        | 312        | 0                       | 0          | 0             | 0                | 0                    | 1                | 0            |
| 49        | 50  | 0       | 0        | 0       | 0         | 195      | 217        | 0            | 296       | 220         | 0                    | 1       | 0                | 0                | 221                       | 0         | 0             | 175        | 146        | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 50        | 51  | 0       | 0        | 6       | 0         | 205      | 199        | 0            | 353       | 406         | 0                    | 0       | 0                | 0                | 214                       | 0         | 0             | 200        | 30         | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 51        | 52  | 0       | 0        | 310     | 0         | 446      | 207        | 0            | 644       | 476         | 0                    | 0       | 0                | 0                | 234                       | 0         | 0             | 309        | 45         | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 52        | 53  | 0       | 0        | 396     | 0         | 383      | 334        | 0            | 510       | 321         | 0                    | 0       | 0                | 0                | 168                       | 0         | 0             | 428        | 104        | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 53        | 54  | 0       | 0        | 667     | 0         | 100      | 356        | 0            | 420       | 336         | 0                    | 0       | 0                | 0                | 109                       | 0         | 0             | 536        | 1          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 54        | 55  | 0       | 0        | 33      | 0         | 6        | 411        | 0            | 290       | 500         | 0                    | 0       | 0                | 0                | 47                        | 1         | 0             | 545        | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 55        | 56  | 0       | 0        | 0       | 0         | 1        | 376        | 0            | 203       | 375         | 0                    | 0       | 0                | 0                | 4                         | 0         | 0             | 597        | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 56        | 57  | 0       | 0        | 0       | 0         | 0        | 306        | 0            | 159       | 308         | 0                    | 0       | 0                | 0                | 2                         | 0         | 0             | 360        | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 57        | 58  | 0       | 0        | 0       | 0         | 0        | 111        | 0            | 55        | 268         | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 257        | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 58        | 59  | 0       | 0        | 0       | 0         | 0        | 15         | 0            | 12        | 267         | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 172        | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 59        | 60  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 4         | 254         | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 73         | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 60        | 61  | 0       | 0        | 0       | 0         | 0        | 9          | 0            | 3         | 230         | 0                    | 0       | 0                | 0                | 6                         | 0         | 0             | 19         | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 61        | 62  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 282         | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 3          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 62        | 63  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 196         | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 63        | 64  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 59          | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 64        | 65  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 1           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 65        | 66  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 1           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 66        | 67  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 67        | 68  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 68        | 69  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 69        | 70  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| 70        |     | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0          | 0             | 0                | 0                    | 0                | 0            |
| Gesamt    |     | 542     | 429      | 1413    | 103       | 1393     | 2617       | 468          | 8075      | 6653        | 2195                 | 628     | 210              | 342              | 1790                      | 2140      | 298           | 5569       | 1771       | 515                     | 108        | 254           | 279              | 890                  | 738              | 341          |

# Hoch Lärmbetroffene (HA) 2019 mit 33% TEDGO

|           | 1       | 2        | 3       | 4         | 5        | 6          | 7            | 8         | 9           | 10                   | 11      | 12               | 13               | 14                        | 15        | 16            | 17         | 18         | 19                      | 20           | 21            | 22               | 23                   | 24               | 25           |
|-----------|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|----------------------|---------|------------------|------------------|---------------------------|-----------|---------------|------------|------------|-------------------------|--------------|---------------|------------------|----------------------|------------------|--------------|
| Intervall | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim unter Teck | Königen | Neckartailfingen | Neckartenzlingen | Neuhausen auf den Fildern | Nürtingen | Oberboihingen | Ostfildern | Plochingen | Reichenbach an der Fils | Schlaithdorf | Unterensingen | Walddorf-Haslach | Wendlingen am Neckar | Wernau am Neckar | Wolfschlugen |
| von       | bis     |          |         |           |          |            |              |           |             |                      |         |                  |                  |                           |           |               |            |            |                         |              |               |                  |                      |                  |              |
| 42        | 406     | 350      | 0       | 103       | 0        | 0          | 0            | 3028      | 397         | 2195                 | 156     | 210              | 339              | 2                         | 2111      | 297           | 479        | 0          | 118                     | 24           | 254           | 279              | 427                  | 316              | 341          |
| 42        | 43      | 71       | 45      | 0         | 0        | 0          | 0            | 188       | 351         | 0                    | 170     | 0                | 4                | 4                         | 28        | 0             | 50         | 1          | 199                     | 58           | 0             | 0                | 442                  | 213              | 0            |
| 43        | 44      | 70       | 34      | 0         | 0        | 0          | 60           | 320       | 355         | 0                    | 165     | 0                | 0                | 47                        | 0         | 0             | 205        | 141        | 101                     | 29           | 0             | 0                | 1                    | 177              | 0            |
| 44        | 45      | 0        | 0       | 0         | 0        | 0          | 203          | 449       | 230         | 0                    | 104     | 0                | 0                | 106                       | 0         | 0             | 241        | 153        | 72                      | 0            | 0             | 0                | 0                    | 6                | 0            |
| 45        | 46      | 0        | 0       | 0         | 0        | 0          | 201          | 360       | 181         | 0                    | 1       | 0                | 0                | 166                       | 0         | 0             | 259        | 206        | 24                      | 0            | 0             | 0                | 0                    | 0                | 0            |
| 46        | 47      | 0        | 0       | 0         | 0        | 20         | 7            | 220       | 248         | 0                    | 2       | 0                | 0                | 136                       | 0         | 0             | 292        | 339        | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 47        | 48      | 0        | 0       | 0         | 0        | 38         | 0            | 294       | 246         | 0                    | 8       | 0                | 0                | 164                       | 0         | 0             | 189        | 298        | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 48        | 49      | 0        | 0       | 1         | 0        | 75         | 18           | 250       | 145         | 0                    | 2       | 0                | 0                | 166                       | 0         | 0             | 187        | 302        | 0                       | 0            | 0             | 0                | 0                    | 1                | 0            |
| 49        | 50      | 0        | 0       | 0         | 0        | 192        | 214          | 0         | 299         | 220                  | 1       | 0                | 0                | 213                       | 0         | 0             | 171        | 147        | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 50        | 51      | 0        | 0       | 7         | 0        | 210        | 204          | 0         | 359         | 401                  | 0       | 0                | 0                | 228                       | 0         | 0             | 200        | 25         | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 51        | 52      | 0        | 0       | 323       | 0        | 460        | 202          | 0         | 640         | 485                  | 0       | 0                | 0                | 226                       | 0         | 0             | 304        | 52         | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 52        | 53      | 0        | 0       | 386       | 0        | 345        | 342          | 0         | 505         | 321                  | 0       | 0                | 0                | 178                       | 0         | 0             | 431        | 96         | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 53        | 54      | 0        | 0       | 668       | 0        | 95         | 379          | 0         | 420         | 334                  | 0       | 0                | 0                | 119                       | 0         | 0             | 546        | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 54        | 55      | 0        | 0       | 27        | 0        | 6          | 410          | 0         | 269         | 500                  | 0       | 0                | 0                | 54                        | 1         | 0             | 527        | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 55        | 56      | 0        | 0       | 0         | 0        | 1          | 352          | 0         | 192         | 375                  | 0       | 0                | 0                | 4                         | 0         | 0             | 591        | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 56        | 57      | 0        | 0       | 0         | 0        | 0          | 306          | 0         | 163         | 308                  | 0       | 0                | 0                | 2                         | 0         | 0             | 370        | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 57        | 58      | 0        | 0       | 0         | 0        | 0          | 105          | 0         | 48          | 268                  | 0       | 0                | 0                | 0                         | 0         | 0             | 252        | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 58        | 59      | 0        | 0       | 0         | 0        | 0          | 15           | 0         | 11          | 267                  | 0       | 0                | 0                | 0                         | 0         | 0             | 169        | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 59        | 60      | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 4           | 253                  | 0       | 0                | 0                | 0                         | 0         | 0             | 73         | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 60        | 61      | 0        | 0       | 0         | 0        | 0          | 9            | 0         | 3           | 230                  | 0       | 0                | 0                | 6                         | 0         | 0             | 19         | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 61        | 62      | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 282                  | 0       | 0                | 0                | 0                         | 0         | 0             | 3          | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 62        | 63      | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 196                  | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 63        | 64      | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 59                   | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 64        | 65      | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 1                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 65        | 66      | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 1                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 66        | 67      | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 67        | 68      | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 68        | 69      | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 69        | 70      | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| 70        |         | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0                | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0            | 0             | 0                | 0                    | 0                | 0            |
| Gesamt    | 547     | 429      | 1410    | 103       | 1383     | 2615       | 471          | 8025      | 6654        | 2195                 | 611     | 210              | 342              | 1820                      | 2140      | 298           | 5558       | 1760       | 514                     | 111          | 254           | 279              | 870                  | 712              | 341          |

# Hoch Lärmbetroffene (HA) 2019 mit 100% TEDGO

|           |     | 1       | 2        | 3       | 4         | 5        | 6          | 7            | 8         | 9           | 10                   | 11      | 12              | 13               | 14                        | 15        | 16            | 17         | 18         | 19                      | 20          | 21            | 22               | 23                   | 24               | 25           |
|-----------|-----|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|----------------------|---------|-----------------|------------------|---------------------------|-----------|---------------|------------|------------|-------------------------|-------------|---------------|------------------|----------------------|------------------|--------------|
| Intervall |     | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim unter Teck | Königen | Neckartaltingen | Neckartenzlingen | Neuhausen auf den Fildern | Nürtingen | Oberboihingen | Ostfildern | Plochingen | Reichenbach an der Fils | Schlaifdorf | Unterensingen | Walldorf-Häslach | Wendlingen am Neckar | Wernau am Neckar | Wolfschlugen |
| von       | bis |         |          |         |           |          |            |              |           |             |                      |         |                 |                  |                           |           |               |            |            |                         |             |               |                  |                      |                  |              |
| 42        | 394 | 394     | 351      | 0       | 103       | 0        | 0          | 0            | 3066      | 383         | 2195                 | 252     | 210             | 300              | 0                         | 1999      | 297           | 482        | 0          | 125                     | 7           | 253           | 279              | 864                  | 437              | 337          |
| 42        | 43  | 65      | 44       | 0       | 0         | 0        | 0          | 0            | 198       | 356         | 0                    | 142     | 0               | 42               | 2                         | 106       | 0             | 49         | 1          | 194                     | 56          | 0             | 1                | 6                    | 216              | 4            |
| 43        | 44  | 93      | 34       | 0       | 0         | 0        | 0          | 53           | 318       | 364         | 0                    | 132     | 0               | 0                | 37                        | 44        | 0             | 212        | 169        | 101                     | 53          | 1             | 0                | 0                    | 19               | 0            |
| 44        | 45  | 1       | 0        | 0       | 0         | 0        | 0          | 199          | 448       | 234         | 0                    | 32      | 0               | 0                | 83                        | 0         | 0             | 235        | 124        | 69                      | 0           | 0             | 0                | 0                    | 1                | 0            |
| 45        | 46  | 0       | 0        | 0       | 0         | 0        | 0          | 217          | 304       | 178         | 0                    | 5       | 0               | 0                | 157                       | 0         | 0             | 254        | 236        | 24                      | 0           | 0             | 0                | 0                    | 0                | 0            |
| 46        | 47  | 0       | 0        | 0       | 0         | 0        | 11         | 7            | 242       | 251         | 0                    | 8       | 0               | 0                | 171                       | 0         | 0             | 301        | 311        | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 47        | 48  | 0       | 0        | 0       | 0         | 5        | 45         | 0            | 256       | 244         | 0                    | 3       | 0               | 0                | 153                       | 0         | 0             | 187        | 293        | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 48        | 49  | 0       | 0        | 1       | 0         | 100      | 21         | 0            | 242       | 145         | 0                    | 2       | 0               | 0                | 194                       | 0         | 0             | 204        | 292        | 0                       | 0           | 0             | 0                | 0                    | 1                | 0            |
| 49        | 50  | 0       | 0        | 0       | 0         | 189      | 206        | 0            | 318       | 223         | 0                    | 0       | 0               | 0                | 174                       | 0         | 0             | 156        | 142        | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 50        | 51  | 0       | 0        | 9       | 0         | 240      | 201        | 0            | 399       | 401         | 0                    | 0       | 0               | 0                | 262                       | 0         | 0             | 201        | 24         | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 51        | 52  | 0       | 0        | 339     | 0         | 468      | 224        | 0            | 623       | 485         | 0                    | 0       | 0               | 0                | 226                       | 0         | 0             | 318        | 55         | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 52        | 53  | 0       | 0        | 391     | 0         | 278      | 341        | 0            | 479       | 318         | 0                    | 0       | 0               | 0                | 184                       | 0         | 0             | 406        | 93         | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 53        | 54  | 0       | 0        | 643     | 0         | 74       | 398        | 0            | 397       | 337         | 0                    | 0       | 0               | 0                | 144                       | 0         | 0             | 552        | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 54        | 55  | 0       | 0        | 25      | 0         | 6        | 424        | 0            | 269       | 500         | 0                    | 0       | 0               | 0                | 70                        | 1         | 0             | 516        | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 55        | 56  | 0       | 0        | 0       | 0         | 0        | 326        | 0            | 171       | 375         | 0                    | 0       | 0               | 0                | 9                         | 0         | 0             | 613        | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 56        | 57  | 0       | 0        | 0       | 0         | 0        | 296        | 0            | 146       | 308         | 0                    | 0       | 0               | 0                | 4                         | 0         | 0             | 359        | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 57        | 58  | 0       | 0        | 0       | 0         | 0        | 95         | 0            | 43        | 268         | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 254        | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 58        | 59  | 0       | 0        | 0       | 0         | 0        | 12         | 0            | 6         | 267         | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 161        | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 59        | 60  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 4         | 253         | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 58         | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 60        | 61  | 0       | 0        | 0       | 0         | 0        | 9          | 0            | 3         | 230         | 0                    | 0       | 0               | 0                | 6                         | 0         | 0             | 16         | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 61        | 62  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 282         | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 3          | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 62        | 63  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 196         | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 63        | 64  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 59          | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 64        | 65  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 1           | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 65        | 66  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 1           | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 66        | 67  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 67        | 68  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 68        | 69  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 69        | 70  | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| 70        |     | 0       | 0        | 0       | 0         | 0        | 0          | 0            | 0         | 0           | 0                    | 0       | 0               | 0                | 0                         | 0         | 0             | 0          | 0          | 0                       | 0           | 0             | 0                | 0                    | 0                | 0            |
| Gesamt    |     | 552     | 429      | 1407    | 103       | 1362     | 2609       | 475          | 7930      | 6659        | 2195                 | 576     | 210             | 342              | 1877                      | 2151      | 298           | 5534       | 1740       | 513                     | 116         | 254           | 279              | 870                  | 672              | 341          |

# Hoch Lärmbetroffene (HA) 2019 Szenarien-Vergleich

| Gemeinde                  | Leq | EW     | HA    | Differenz zu<br>DES 2019<br>TEDGO 33 % | Differenz zu<br>DES 2019<br>TEDGO 100 % |
|---------------------------|-----|--------|-------|----------------------------------------|-----------------------------------------|
| Aichtal                   | 43  | 10095  | 542   | 5                                      | 10                                      |
| Aichwald                  | 43  | 8021   | 429   |                                        |                                         |
| Altbach                   | 54  | 6230   | 1413  | -3                                     | -6                                      |
| Altenriet                 | 41  | 1969   | 103   |                                        |                                         |
| Deizisau                  | 53  | 6955   | 1393  | -10                                    | -31                                     |
| Denkendorf                | 58  | 11323  | 2617  | -2                                     | -8                                      |
| Dettenhausen              | 45  | 5273   | 468   | 3                                      | 7                                       |
| Esslingen am Neckar       | 58  | 93692  | 8075  | -50                                    | -145                                    |
| Filderstadt               | 64  | 46055  | 6653  | 1                                      | 6                                       |
| Kirchheim unter Teck      | 42  | 41818  | 2195  |                                        |                                         |
| Köngen                    | 45  | 9943   | 628   | -17                                    | -52                                     |
| Neckartailfingen          | 40  | 4008   | 210   |                                        |                                         |
| Neckartenzlingen          | 42  | 6522   | 342   |                                        |                                         |
| Neuhausen auf den Fildern | 55  | 12223  | 1790  | 30                                     | 87                                      |
| Nürtingen                 | 41  | 40749  | 2140  |                                        | 11                                      |
| Oberboihingen             | 42  | 5669   | 298   |                                        |                                         |
| Ostfildern                | 59  | 38271  | 5569  | -11                                    | -35                                     |
| Plochingen                | 53  | 14575  | 1771  | -11                                    | -31                                     |
| Reichenbach an der Fils   | 45  | 8580   | 515   | -1                                     | -2                                      |
| Schlaitdorf               | 43  | 1976   | 108   | 3                                      | 8                                       |
| Unterensingen             | 41  | 4832   | 254   |                                        |                                         |
| Walddorf-Häslach          | 41  | 5322   | 279   |                                        |                                         |
| Wendlingen am Neckar      | 43  | 16570  | 890   | -20                                    | -20                                     |
| Wernau (Neckar)           | 44  | 12713  | 738   | -26                                    | -66                                     |
| Wolfschlugen              | 40  | 6495   | 341   |                                        |                                         |
| Gesamt                    |     | 419879 | 39761 | -109                                   | -267                                    |

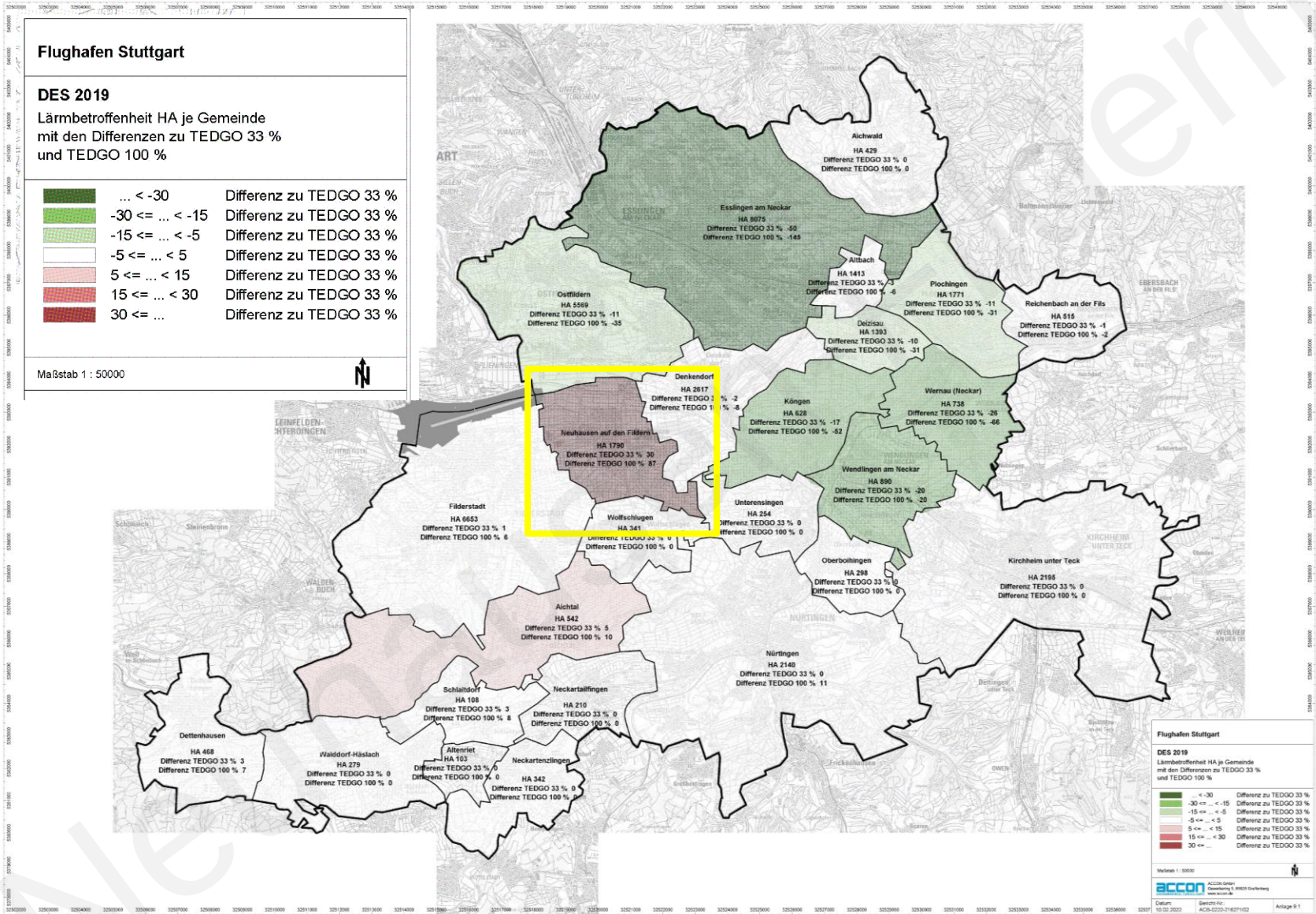
*Umverteilungen*  
 33 %: +42/-151  
 100 %: +129/-396

# Hoch Lärmbetroffene (HA) 2030 Szenarien-Vergleich

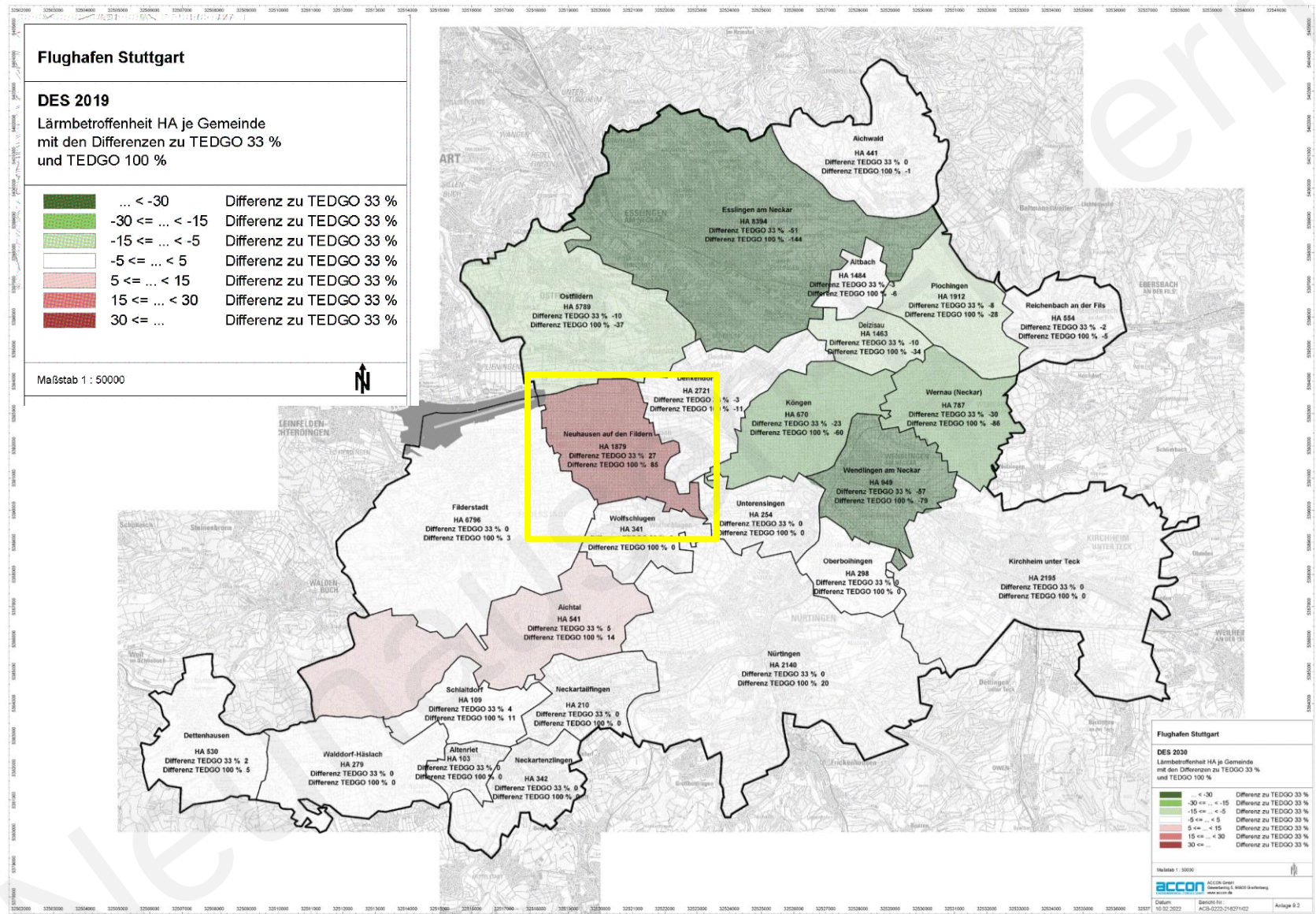
| Gemeinde                  | Leq | EW     | HA    | Differenz zu<br>DES 2030<br>TEDGO 33 % | Differenz zu<br>DES 2030<br>TEDGO 100 % |
|---------------------------|-----|--------|-------|----------------------------------------|-----------------------------------------|
| Aichtal                   | 43  | 10095  | 541   | 5                                      | 14                                      |
| Aichwald                  | 44  | 8021   | 441   | 0                                      | -1                                      |
| Altbach                   | 54  | 6230   | 1484  | -3                                     | -6                                      |
| Altenriet                 | 41  | 1969   | 103   | 0                                      | 0                                       |
| Deizisau                  | 54  | 6955   | 1463  | -10                                    | -34                                     |
| Denkendorf                | 58  | 11323  | 2721  | -3                                     | -11                                     |
| Dettenhausen              | 46  | 5273   | 530   | 2                                      | 5                                       |
| Esslingen am Neckar       | 59  | 93692  | 8394  | -51                                    | -144                                    |
| Filderstadt               | 64  | 46055  | 6796  | 0                                      | 3                                       |
| Kirchheim unter Teck      | 42  | 41818  | 2195  | 0                                      | 0                                       |
| Köngen                    | 46  | 9943   | 670   | -23                                    | -60                                     |
| Neckartailfingen          | 41  | 4008   | 210   | 0                                      | 0                                       |
| Neckartenzlingen          | 42  | 6522   | 342   | 0                                      | 0                                       |
| Neuhausen auf den Fildern | 55  | 12223  | 1879  | 27                                     | 85                                      |
| Nürtingen                 | 41  | 40749  | 2140  | 0                                      | 20                                      |
| Oberboihingen             | 42  | 5669   | 298   | 0                                      | 0                                       |
| Ostfildern                | 59  | 38271  | 5789  | -10                                    | -37                                     |
| Plochingen                | 53  | 14575  | 1912  | -8                                     | -28                                     |
| Reichenbach an der Fils   | 46  | 8580   | 554   | -2                                     | -5                                      |
| Schlaitdorf               | 43  | 1976   | 109   | 4                                      | 11                                      |
| Unterensingen             | 41  | 4832   | 254   | 0                                      | 0                                       |
| Walddorf-Häslach          | 42  | 5322   | 279   | 0                                      | 0                                       |
| Wendlingen am Neckar      | 44  | 16570  | 949   | -57                                    | -79                                     |
| Wernau (Neckar)           | 45  | 12713  | 787   | -30                                    | -86                                     |
| Wolfschlugen              | 40  | 6495   | 341   | 0                                      | 0                                       |
| Gesamt                    |     | 419879 | 41181 | -159                                   | -353                                    |

*Umverteilungen*  
 33 %: +38/-197  
 100 %: +138/-491

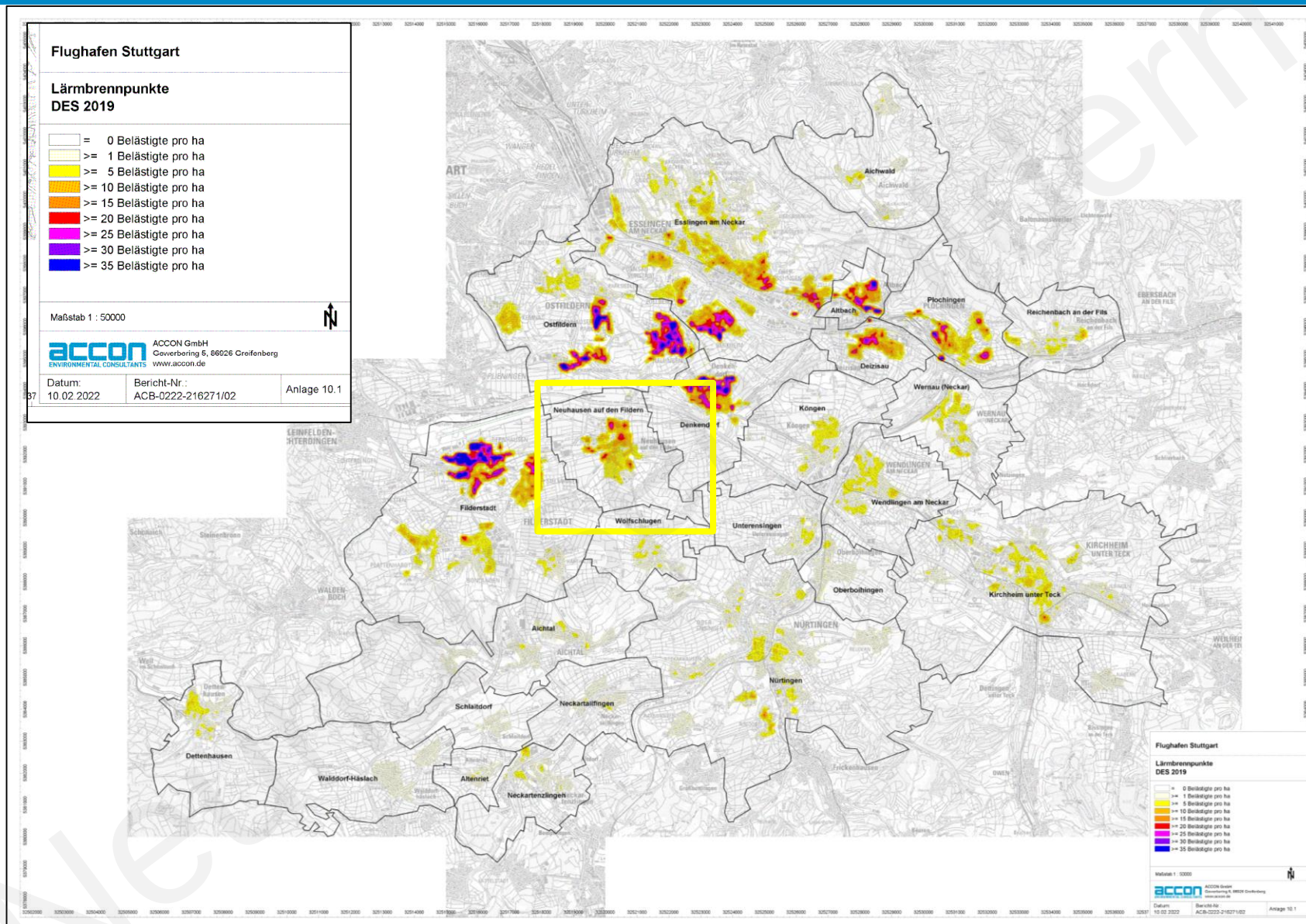
# Hoch Lärmbetroffene (HA) 2019 Szenarien-Vergleich



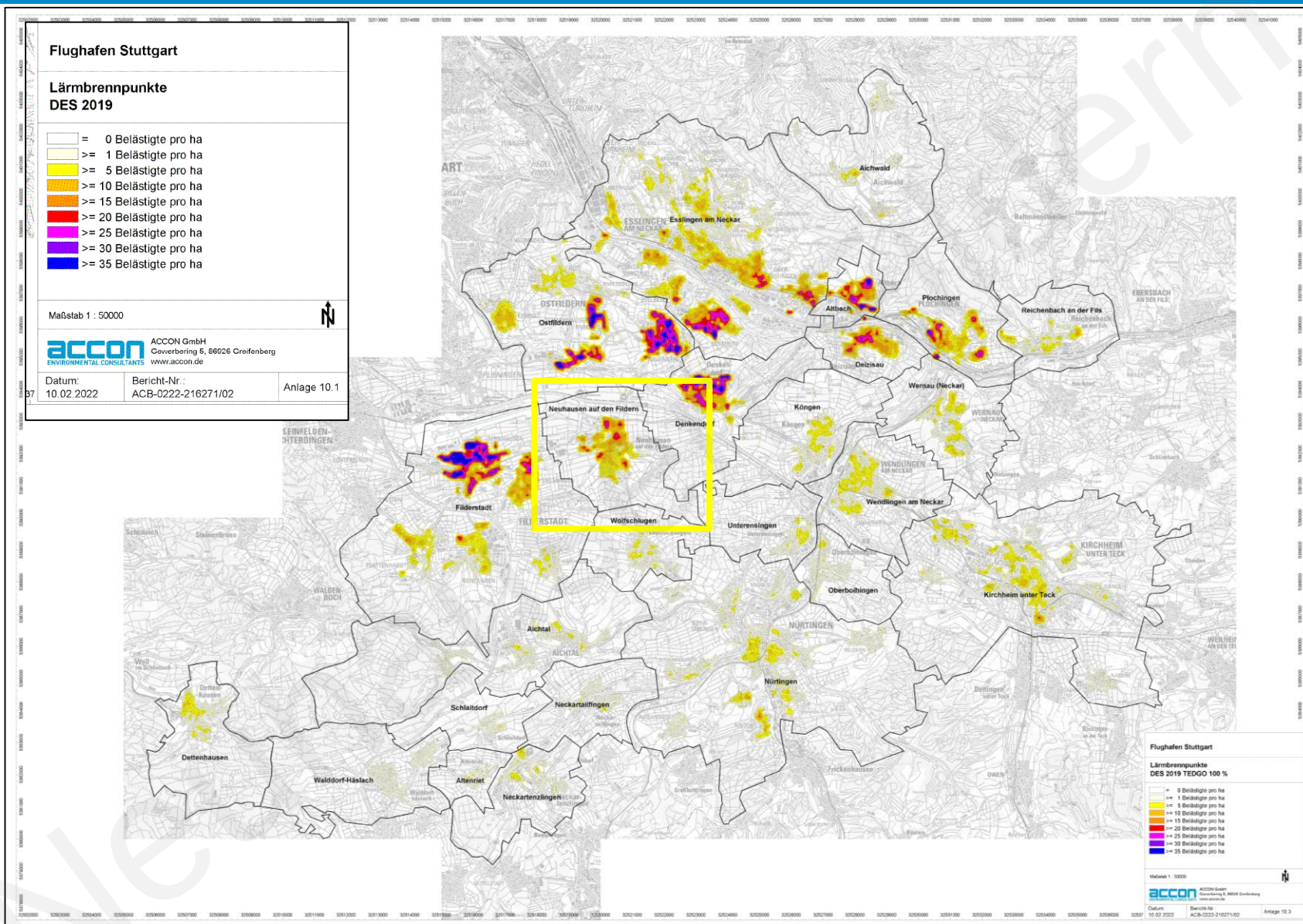
# Hoch Lärmbetroffene (HA) 2030 Szenarien-Vergleich



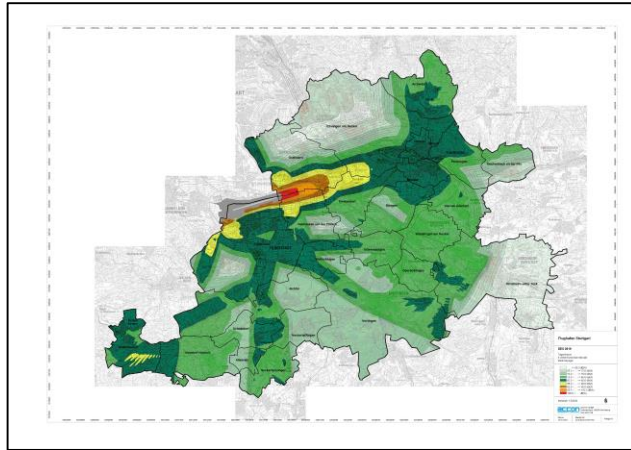
# Brennpunkte (HA) 2019



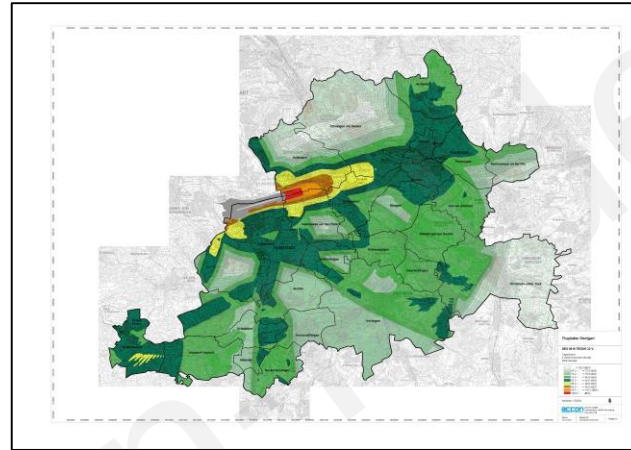
# Brennpunkte (HA) 2019 mit 100% TEDGO



# Fluglärmmaximalpegel im Untersuchungsgebiet 2019

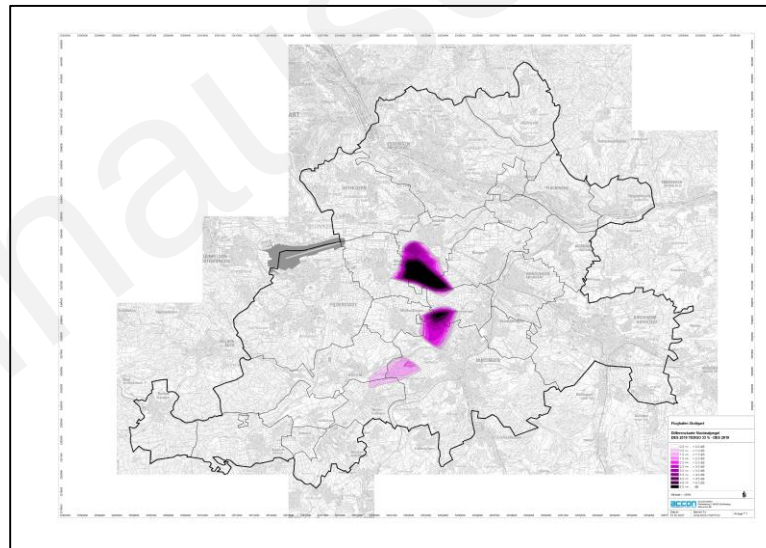


2019



2019 mit 33/100% TEDGO

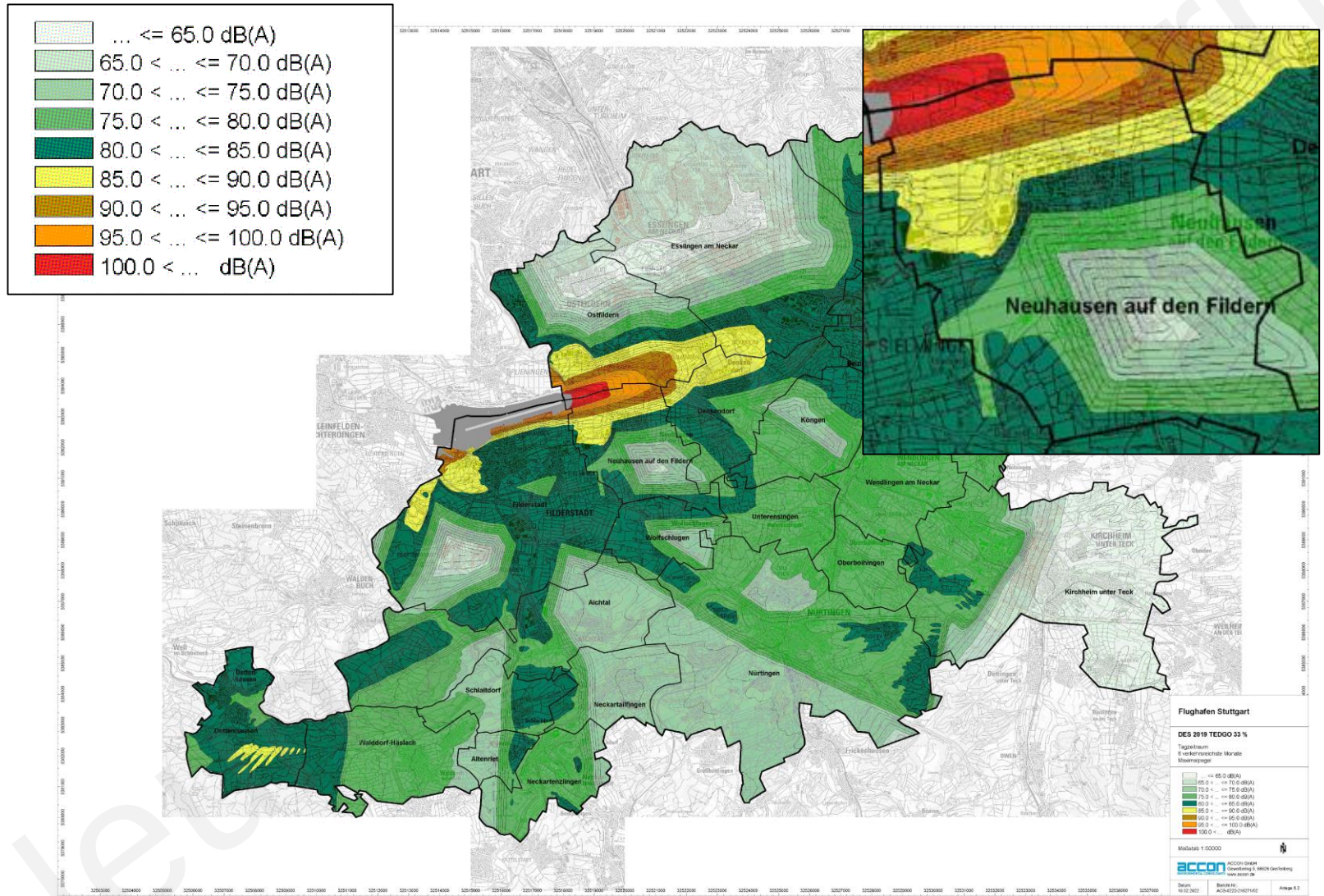
## Veränderung der Maximalpegelbelastung



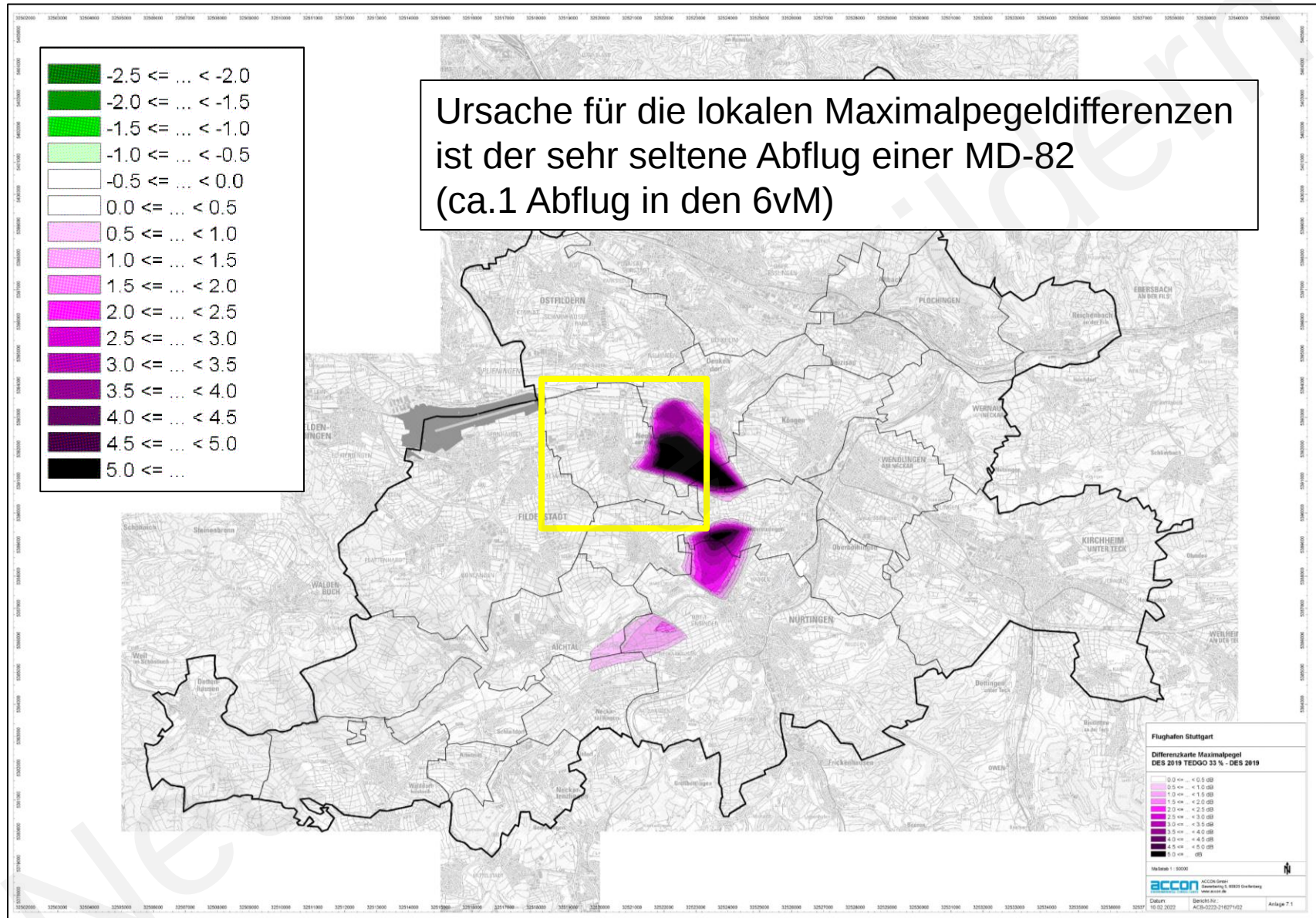
(2019) – (2019 mit 33/100% TEDGO)



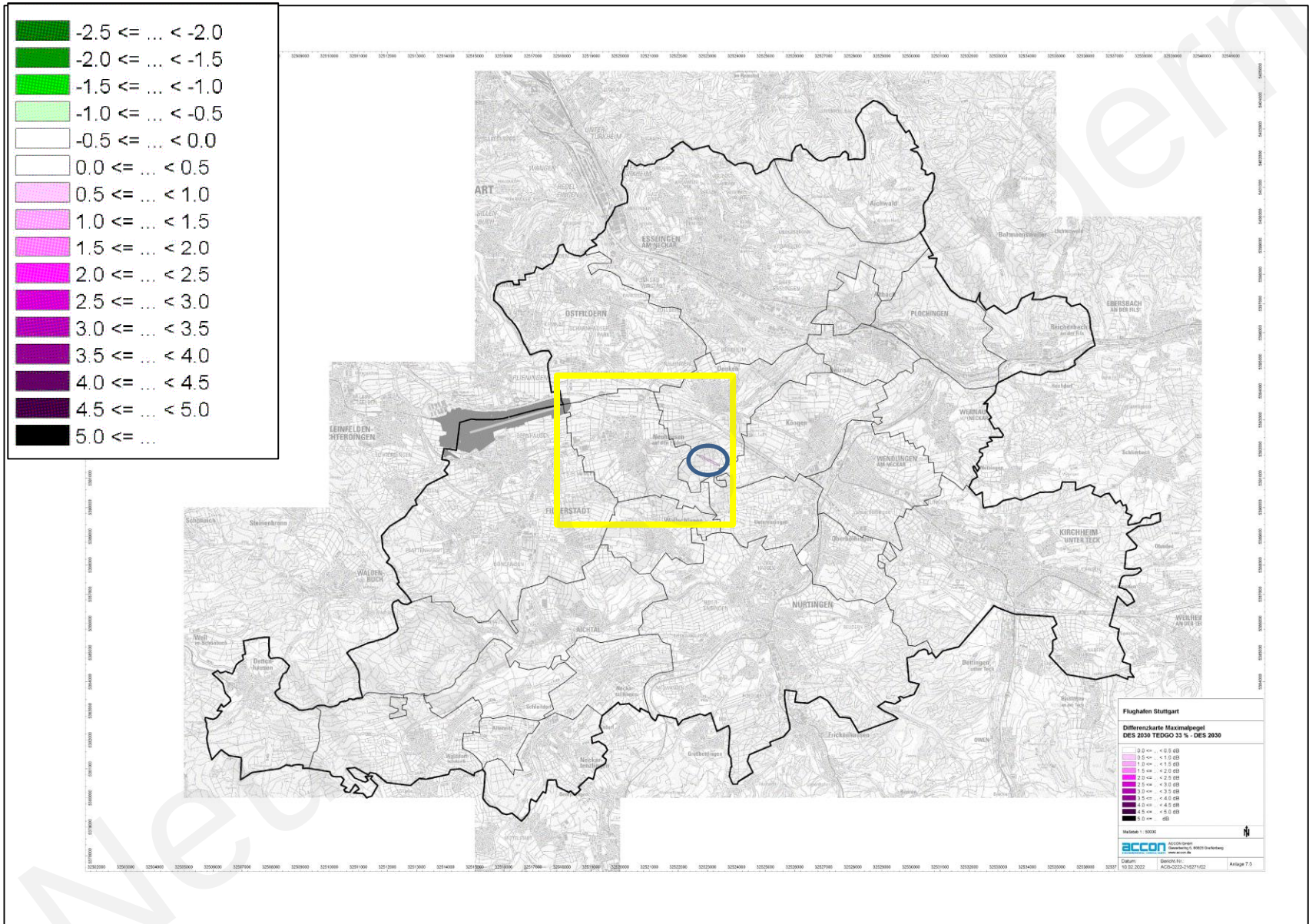
# Fluglärmmaximalpegel 2019 mit 33/100% TEDGO



# Maximaldifferenz 2019 minus 2019 33/100% TEDGO



# Maximaldifferenz 2030 minus 2030 33/100% TEDGO



geöffnet am 21.05.2024 um 00:07 Uhr

# Maxpegelverteilung 2019

## DES 2019

| Intervall<br>von bis | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim<br>unter Teck | Köngen | Neckar-<br>tallingen | Neckar-<br>terzingen | Neuhausen<br>(auf den Fildern) | Nürtingen | Oberboilingen | Ostfildern | Plochingen | Reichenbach<br>an der Fils | Schlaifdorf | Unterensingen | Walddorf-<br>Häslach | Wendlingen<br>am Neckar | Wernau am<br>Neckar | Wolfschlugen |
|----------------------|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|-------------------------|--------|----------------------|----------------------|--------------------------------|-----------|---------------|------------|------------|----------------------------|-------------|---------------|----------------------|-------------------------|---------------------|--------------|
| 55-60                | 22      | 33       | 9       | 19        | 16       | 2          | 5            | 2         | 31          | 9                       | 37     | 22                   | 2                    | 39                             | 15        | 13            | 2          | 22         | 61                         | 24          | 12            | 20                   | 16                      | 14                  | 13           |
| 60-65                | 10      | 11       | 52      | 5         | 66       | 18         | 13           | 8         | 36          | 11                      | 17     | 5                    | 1                    | 67                             | 3         | 11            | 8          | 71         | 24                         | 11          | 4             | 10                   | 8                       | 9                   | 2            |
| 65-70                | 1       | 1        | 94      | 1         | 80       | 69         | 16           | 48        | 50          | 5                       | 3      | 0                    | 0                    | 46                             | 0         | 3             | 48         | 76         | 3                          | 2           | 1             | 1                    | 3                       | 9                   | 0            |
| 70-75                | 1       | 0        | 32      | 0         | 25       | 77         | 3            | 90        | 46          | 0                       | 0      | 0                    | 0                    | 34                             | 0         | 0             | 89         | 17         | 0                          | 1           | 0             | 0                    | 0                       | 2                   | 0            |
| 75-80                | 0       | 0        | 2       | 0         | 1        | 24         | 0            | 41        | 89          | 0                       | 0      | 0                    | 0                    | 5                              | 0         | 0             | 42         | 1          | 0                          | 0           | 0             | 0                    | 0                       | 0                   | 0            |
| 80                   | 0       | 0        | 0       | 0         | 0        | 1          | 0            | 3         | 68          | 0                       | 0      | 0                    | 0                    | 0                              | 0         | 0             | 4          | 0          | 0                          | 0           | 0             | 0                    | 0                       | 0                   | 0            |
| Summe                | 35      | 46       | 189     | 25        | 189      | 191        | 37           | 191       | 321         | 24                      | 57     | 27                   | 2                    | 191                            | 20        | 26            | 192        | 186        | 88                         | 38          | 17            | 31                   | 27                      | 34                  | 16           |

## DES 2019 TEDGO 33 %

| Intervall<br>von bis | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim<br>unter Teck | Köngen | Neckar-<br>tallingen | Neckar-<br>terzingen | Neuhausen<br>(auf den Fildern) | Nürtingen | Oberboilingen | Ostfildern | Plochingen | Reichenbach<br>an der Fils | Schlaifdorf | Unterensingen | Walddorf-<br>Häslach | Wendlingen<br>am Neckar | Wernau am<br>Neckar | Wolfschlugen |
|----------------------|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|-------------------------|--------|----------------------|----------------------|--------------------------------|-----------|---------------|------------|------------|----------------------------|-------------|---------------|----------------------|-------------------------|---------------------|--------------|
| 55-60                | 22      | 33       | 9       | 20        | 16       | 2          | 5            | 3         | 31          | 8                       | 37     | 21                   | 2                    | 39                             | 14        | 12            | 2          | 21         | 60                         | 23          | 12            | 20                   | 15                      | 14                  | 12           |
| 60-65                | 11      | 11       | 51      | 5         | 66       | 18         | 13           | 9         | 36          | 10                      | 16     | 6                    | 1                    | 67                             | 4         | 9             | 8          | 70         | 24                         | 13          | 4             | 11                   | 7                       | 8                   | 3            |
| 65-70                | 2       | 1        | 93      | 1         | 79       | 70         | 16           | 47        | 50          | 4                       | 3      | 1                    | 0                    | 46                             | 1         | 3             | 48         | 76         | 3                          | 2           | 1             | 1                    | 3                       | 8                   | 1            |
| 70-75                | 1       | 0        | 32      | 0         | 24       | 77         | 3            | 88        | 46          | 0                       | 0      | 0                    | 0                    | 34                             | 1         | 0             | 89         | 17         | 0                          | 1           | 0             | 0                    | 0                       | 2                   | 0            |
| 75-80                | 0       | 0        | 2       | 0         | 1        | 23         | 0            | 40        | 89          | 0                       | 0      | 0                    | 0                    | 6                              | 0         | 0             | 42         | 1          | 0                          | 0           | 0             | 0                    | 0                       | 0                   | 0            |
| 80                   | 0       | 0        | 0       | 0         | 0        | 1          | 0            | 3         | 68          | 0                       | 0      | 0                    | 0                    | 0                              | 0         | 0             | 4          | 0          | 0                          | 0           | 0             | 0                    | 0                       | 0                   | 0            |
| Summe                | 36      | 45       | 189     | 26        | 186      | 191        | 37           | 190       | 321         | 22                      | 56     | 28                   | 2                    | 191                            | 21        | 24            | 192        | 184        | 88                         | 39          | 17            | 32                   | 25                      | 32                  | 17           |

## DES 2019 TEDGO 100 %

| Intervall<br>von bis | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim<br>unter Teck | Köngen | Neckar-<br>tallingen | Neckar-<br>terzingen | Neuhausen<br>(auf den Fildern) | Nürtingen | Oberboilingen | Ostfildern | Plochingen | Reichenbach<br>an der Fils | Schlaifdorf | Unterensingen | Walddorf-<br>Häslach | Wendlingen<br>am Neckar | Wernau am<br>Neckar | Wolfschlugen |
|----------------------|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|-------------------------|--------|----------------------|----------------------|--------------------------------|-----------|---------------|------------|------------|----------------------------|-------------|---------------|----------------------|-------------------------|---------------------|--------------|
| 55-60                | 22      | 32       | 8       | 21        | 16       | 3          | 6            | 6         | 31          | 7                       | 36     | 20                   | 2                    | 39                             | 13        | 11            | 2          | 19         | 60                         | 23          | 12            | 20                   | 13                      | 13                  | 11           |
| 60-65                | 13      | 11       | 49      | 6         | 65       | 19         | 13           | 10        | 36          | 7                       | 14     | 8                    | 1                    | 67                             | 6         | 7             | 8          | 68         | 24                         | 15          | 4             | 13                   | 5                       | 6                   | 5            |
| 65-70                | 2       | 1        | 91      | 1         | 77       | 71         | 16           | 46        | 50          | 3                       | 2      | 2                    | 0                    | 45                             | 3         | 2             | 49         | 75         | 3                          | 3           | 1             | 1                    | 2                       | 6                   | 3            |
| 70-75                | 1       | 0        | 32      | 0         | 23       | 75         | 3            | 88        | 46          | 0                       | 0      | 0                    | 0                    | 34                             | 1         | 0             | 89         | 17         | 0                          | 1           | 0             | 0                    | 0                       | 1                   | 0            |
| 75-80                | 0       | 0        | 2       | 0         | 1        | 22         | 0            | 39        | 89          | 0                       | 0      | 0                    | 0                    | 7                              | 0         | 0             | 40         | 1          | 0                          | 0           | 0             | 0                    | 0                       | 0                   | 0            |
| 80                   | 0       | 0        | 0       | 0         | 0        | 1          | 0            | 3         | 68          | 0                       | 0      | 0                    | 0                    | 0                              | 0         | 0             | 3          | 0          | 0                          | 0           | 0             | 0                    | 0                       | 0                   | 0            |
| Summe                | 38      | 45       | 182     | 29        | 181      | 191        | 39           | 189       | 321         | 17                      | 53     | 30                   | 3                    | 191                            | 22        | 20            | 192        | 179        | 87                         | 41          | 17            | 35                   | 20                      | 27                  | 19           |

# Maxpegelverteilung 2030

## DES 2030

| Intervall<br>von bis | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim<br>unter Teck | Königen | Neckar-<br>tallingen | Neckar-<br>tenzlingen | Neuhausen<br>auf den Fildern | Nürtingen | Oberboihingen | Ostfildern | Plochingen | Reichenbach<br>an der Fils | Schlaifdorf | Unterensingen | Walldorf-<br>Halslach | Wendlingen<br>am Neckar | Wernau am<br>Neckar | Wolfschlugen |
|----------------------|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|-------------------------|---------|----------------------|-----------------------|------------------------------|-----------|---------------|------------|------------|----------------------------|-------------|---------------|-----------------------|-------------------------|---------------------|--------------|
| 55-60                | 23      | 38       | 10      | 20        | 18       | 3          | 5            | 3         | 35          | 10                      | 42      | 24                   | 5                     | 44                           | 16        | 14            | 3          | 24         | 70                         | 25          | 13            | 21                    | 17                      | 16                  | 14           |
| 60-65                | 10      | 13       | 59      | 5         | 75       | 20         | 15           | 9         | 38          | 12                      | 19      | 5                    | 5                     | 77                           | 3         | 12            | 8          | 80         | 28                         | 11          | 4             | 11                    | 9                       | 10                  | 3            |
| 65-70                | 2       | 1        | 107     | 1         | 92       | 78         | 17           | 54        | 54          | 5                       | 3       | 0                    | 1                     | 52                           | 1         | 3             | 54         | 87         | 4                          | 2           | 1             | 1                     | 3                       | 10                  | 0            |
| 70-75                | 1       | 0        | 37      | 0         | 28       | 88         | 3            | 102       | 53          | 0                       | 0       | 0                    | 1                     | 38                           | 1         | 0             | 101        | 20         | 0                          | 1           | 0             | 0                     | 0                       | 2                   | 0            |
| 75-80                | 0       | 0        | 2       | 0         | 1        | 27         | 0            | 47        | 98          | 0                       | 0       | 0                    | 0                     | 6                            | 0         | 0             | 48         | 1          | 0                          | 0           | 0             | 0                     | 0                       | 0                   | 0            |
| 80                   | 0       | 0        | 0       | 0         | 0        | 2          | 0            | 4         | 75          | 0                       | 0       | 0                    | 0                     | 0                            | 0         | 0             | 4          | 0          | 0                          | 0           | 0             | 0                     | 0                       | 0                   | 0            |
| Summe                | 35      | 52       | 215     | 27        | 215      | 218        | 40           | 218       | 355         | 27                      | 64      | 30                   | 8                     | 217                          | 21        | 29            | 219        | 212        | 102                        | 39          | 18            | 34                    | 30                      | 38                  | 17           |

## DES 2030 TEDGO 33 %

| Intervall<br>von bis | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim<br>unter Teck | Königen | Neckar-<br>tallingen | Neckar-<br>tenzlingen | Neuhausen<br>auf den Fildern | Nürtingen | Oberboihingen | Ostfildern | Plochingen | Reichenbach<br>an der Fils | Schlaifdorf | Unterensingen | Walldorf-<br>Halslach | Wendlingen<br>am Neckar | Wernau am<br>Neckar | Wolfschlugen |
|----------------------|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|-------------------------|---------|----------------------|-----------------------|------------------------------|-----------|---------------|------------|------------|----------------------------|-------------|---------------|-----------------------|-------------------------|---------------------|--------------|
| 55-60                | 23      | 38       | 10      | 21        | 18       | 3          | 6            | 4         | 35          | 9                       | 42      | 23                   | 2                     | 44                           | 16        | 14            | 3          | 23         | 70                         | 25          | 13            | 22                    | 17                      | 16                  | 14           |
| 60-65                | 11      | 13       | 58      | 6         | 75       | 20         | 15           | 9         | 38          | 10                      | 18      | 6                    | 5                     | 77                           | 4         | 10            | 8          | 79         | 28                         | 13          | 4             | 12                    | 8                       | 9                   | 4            |
| 65-70                | 2       | 1        | 106     | 1         | 90       | 79         | 17           | 53        | 54          | 4                       | 3       | 1                    | 1                     | 52                           | 1         | 3             | 54         | 87         | 4                          | 2           | 1             | 1                     | 3                       | 9                   | 1            |
| 70-75                | 1       | 0        | 37      | 0         | 27       | 87         | 3            | 101       | 53          | 0                       | 0       | 0                    | 1                     | 38                           | 1         | 0             | 101        | 20         | 0                          | 1           | 0             | 0                     | 0                       | 2                   | 0            |
| 75-80                | 0       | 0        | 2       | 0         | 1        | 27         | 0            | 46        | 98          | 0                       | 0       | 0                    | 0                     | 7                            | 0         | 0             | 48         | 1          | 0                          | 0           | 0             | 0                     | 0                       | 0                   | 0            |
| 80                   | 0       | 0        | 0       | 0         | 0        | 2          | 0            | 4         | 75          | 0                       | 0       | 0                    | 0                     | 0                            | 0         | 0             | 4          | 0          | 0                          | 0           | 0             | 0                     | 0                       | 0                   | 0            |
| Summe                | 37      | 52       | 213     | 28        | 212      | 218        | 41           | 217       | 355         | 24                      | 63      | 31                   | 6                     | 217                          | 22        | 27            | 219        | 209        | 101                        | 40          | 18            | 35                    | 27                      | 35                  | 19           |

## DES 2030 TEDGO 100 %

| Intervall<br>von bis | Aichtal | Aichwald | Altbach | Altenriet | Deizisau | Denkendorf | Dettenhausen | Esslingen | Filderstadt | Kirchheim<br>unter Teck | Königen | Neckar-<br>tallingen | Neckar-<br>tenzlingen | Neuhausen<br>auf den Fildern | Nürtingen | Oberboihingen | Ostfildern | Plochingen | Reichenbach<br>an der Fils | Schlaifdorf | Unterensingen | Walldorf-<br>Halslach | Wendlingen<br>am Neckar | Wernau am<br>Neckar | Wolfschlugen |
|----------------------|---------|----------|---------|-----------|----------|------------|--------------|-----------|-------------|-------------------------|---------|----------------------|-----------------------|------------------------------|-----------|---------------|------------|------------|----------------------------|-------------|---------------|-----------------------|-------------------------|---------------------|--------------|
| 55-60                | 23      | 37       | 8       | 23        | 18       | 3          | 7            | 7         | 35          | 7                       | 41      | 21                   | 4                     | 44                           | 14        | 13            | 3          | 21         | 69                         | 24          | 14            | 22                    | 15                      | 15                  | 12           |
| 60-65                | 13      | 13       | 55      | 6         | 73       | 21         | 15           | 10        | 38          | 8                       | 16      | 8                    | 5                     | 76                           | 6         | 8             | 9          | 77         | 28                         | 15          | 4             | 14                    | 6                       | 7                   | 6            |
| 65-70                | 2       | 1        | 105     | 1         | 88       | 80         | 17           | 52        | 54          | 3                       | 2       | 3                    | 1                     | 51                           | 3         | 2             | 55         | 86         | 4                          | 3           | 1             | 1                     | 2                       | 7                   | 3            |
| 70-75                | 1       | 0        | 37      | 0         | 26       | 86         | 3            | 98        | 53          | 0                       | 0       | 0                    | 1                     | 38                           | 1         | 0             | 101        | 20         | 0                          | 1           | 0             | 0                     | 0                       | 1                   | 0            |
| 75-80                | 0       | 0        | 2       | 0         | 1        | 25         | 0            | 45        | 98          | 0                       | 0       | 0                    | 0                     | 8                            | 0         | 0             | 46         | 1          | 0                          | 0           | 0             | 0                     | 0                       | 0                   | 0            |
| 80                   | 0       | 0        | 0       | 0         | 0        | 1          | 0            | 3         | 75          | 0                       | 0       | 0                    | 0                     | 0                            | 0         | 0             | 4          | 0          | 0                          | 0           | 0             | 0                     | 0                       | 0                   | 0            |
| Summe                | 39      | 51       | 207     | 30        | 206      | 218        | 42           | 215       | 355         | 19                      | 59      | 33                   | 7                     | 217                          | 24        | 22            | 219        | 205        | 100                        | 43          | 18            | 38                    | 23                      | 30                  | 21           |

## Fazit

- Mit der Routeneinführung TEDGO neu nimmt die Fluglärmbeeinträchtigung (bezogen auf die Kenngröße HA (highly annoyed/stark lärmbeeinträchtigt) unter der Annahme des heutigen Flugbetriebs und ca. 33 % Nutzung) im Gemeindegebiet Neuhausen von 1790 um 30 auf 1.820, somit um ca. 1,7 % zu.
- Im gesamten Untersuchungsgebiet nimmt mit der Routeneinführung TEDGO neu die Fluglärmbeeinträchtigung (bezogen auf die Kenngröße HA (highly annoyed/stark lärmbeeinträchtigt) unter der Annahme des heutigen Flugbetriebs und ca. 33 % Nutzung) von 39.761 um 109 auf 39.652, somit um ca. 3 ‰ ab.

Vielen Dank für Ihr Interesse

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geöffnet am 21.05.2024 um 00:07 Uhr