Data Article

Data on spatio-temporal patterns of wild fruit harvest from the economically important palm *Mauritia flexuosa* in the Peruvian Amazon

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**Abstract**

These data are the foundation of the analyses and results published in the article “Spatio-temporal patterns of *Mauritia flexuosa* fruit extraction in the Peruvian Amazon: Implications for conservation and sustainability” (Horn et al., 2018) [1]. Here we include data on the volume of *M. flexuosa* fruit arriving in the city of Iquitos, Peru from the surrounding region. This includes the amount of fruit (in sacks and kg), the date of entry into Iquitos, the point of embarkation (watershed and coordinates), the method of transportation and the point of entry into Iquitos. Data is provided in a number of formats, including data tables, Google Earth KML files and summary tables by watershed and/or month.

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### Specifications Table

| Subject area                          | Geography, natural resources, social sciences, conservation, forestry |
|---------------------------------------|-----------------------------------------------------------------------|
| More specific subject area            | Applied ecology and conservation                                      |
| Type of data                          | Table (csv), Text file, KMZ (Google Earth)                            |
| How data was acquired                 | Surveys, GPS, GIS                                                     |
| Data format                           | Raw and aggregated by month for locations and watersheds             |
| Experimental factors                  | None                                                                  |
| Experimental features                 | None                                                                  |
| Data source location                  | Loreto, Peru                                                          |
| Data accessibility                    | Data is with this article                                            |

### Value of the data

The data presented provides baseline numbers of *M. flexuosa* (aguaje) fruit entering the market of Iquitos, Loreto, Peru, over one year (2012–2013) which can be compared to future studies to document change in extraction levels.

- Further analyses of the data can be used by policy, conservation and resource management entities to prioritize geographic areas or communities for outreach efforts focused on sustainable harvest of aguaje and guide the timing of those efforts.
- Data can be incorporated into other geographical studies focused on the regional transportation system or other natural resources for further analysis.
- Data for individual communities can provide insights into market interaction and resource extraction decisions of those communities.

### 1. Data

In the Amazon Basin, some non-timber forest products (NTPP), such as the ecologically and economically important palm *Mauritia flexuosa*, are extracted intensively and across large areas. The ecological effect of harvest is unclear [1]. Fruit is harvested from wild populations of *M. flexuosa* and is eaten directly or processed into juice, ice cream, and other food products. Because adult palms can grow above 30 m in height, harvest is primarily destructive and fruited females are cut down in order to harvest the fruit. The demand for fruit is driven by the city of Iquitos, the commercial center of Loreto, and the largest consumer of *M. flexuosa* fruit in the Amazon [2]. Despite decades of concern about overharvesting, and the ecological implications of harvest, the scale and scope of *M. flexuosa* extraction remains unclear [3]. To better understand the magnitude of *M. flexuosa* harvest in the region, we quantified the amount of *M. flexuosa* fruit entering the Iquitos market, traced its source and documented spatial and temporal patterns of extraction across the region. Specifically, this data article includes the following:

1. Downloadable CSV file (Appendix A) that includes all records of *M. flexuosa* entering the Iquitos market during the study period, including date, number of sacks, weight, origin (watershed, UTM coordinates, name of embarkation village or location), mode of transportation, how the data was collected, and any notes associated with the record.
2. Tables that summarize *M. flexuosa* extraction by watershed and month.
3. Google Earth file (KML), that visually displays the data (Appendix B).
Table 1
Top 10 sources of *M. flexuosa* in the Amazonas watershed. We recorded a total of 109 source locations of fruit in the Amazonas watershed over the 12-month study.

| Rank | Embarkation point  | Number of shipments | Maximum shipment | Mean fruit per shipment | Total fruit imported | Watershed imports (%) | Total annual imports (%) |
|------|--------------------|---------------------|------------------|------------------------|---------------------|-----------------------|------------------------|
|      |                    |                     | Sacks mT         | Sacks mT               | Sacks mT            |                       |                        |
| 1    | Itaya              | 635                 | –                | 5.4                    | 22.3                | 14,146                | 509.2                  | 40.2                   | 6.2                    |
| 2    | Amazonas           | 118                 | –                | 4.5                    | 56.4                | 6652                  | 239.5                  | 18.9                   | 2.9                    |
| 3    | Recreo             | 54                  | 135              | 4.9                    | 25.9                | 1396                  | 50.3                   | 4.0                    | 0.6                    |
| 4    | Maniti             | 49                  | 80               | 2.9                    | 22.3                | 1093                  | 39.3                   | 3.1                    | 0.5                    |
| 5    | Quebrada Yanayacu  | 91                  | 30               | 1.1                    | 11.3                | 1031                  | 37.1                   | 2.9                    | 0.5                    |
| 6    | Limón              | 189                 | 16               | 0.6                    | 5.0                 | 942                   | 33.9                   | 2.7                    | 0.4                    |
| 7    | Santa Cecilia      | 26                  | 120              | 4.3                    | 34.4                | 894                   | 32.2                   | 2.5                    | 0.4                    |
| 8    | Puerto Alegría     | 119                 | 20               | 0.7                    | 7.2                 | 860                   | 31.0                   | 2.4                    | 0.4                    |
| 9    | San Juan de Munich | 110                 | 35               | 1.3                    | 6.0                 | 662                   | 23.8                   | 1.9                    | 0.3                    |
| 10   | Aucayo             | 68                  | 28               | 1.0                    | 9.5                 | 645                   | 23.2                   | 1.8                    | 0.3                    |
| Top 10 Cumulative | 1459               | –                  | –                | 19.4                   | 0.7                 | 28,320                | 1019.5                  | 80.4                   | 12.4                  |
| Amazonas Totals | 2340               | 150.86             | 5.4              | 15.0                   | 0.5                 | 35,207                | 1267.5                  | 100                    | 15.4                  |
Table 2
Top 10 sources of *M. flexuosa* in the Bajo Amazonas watershed. A total of 38 source locations of fruit were recorded in this watershed over the 12-month study.

| Rank | Embarkation point | Number of shipments | Maximum shipment | Mean fruit per shipment | Total fruit imported | Watershed imports (%) | Total annual imports (%) |
|------|-------------------|---------------------|-----------------|------------------------|----------------------|-----------------------|-------------------------|
|      |                   | Sacks               | mT              | Sacks                  | mT                   | Sacks                 | mT                      |                        |
| 1    | Apayacu           | 142                 | 123             | 35.1                   | 1.3                  | 4980                  | 179.3                   | 29.3                   | 2.2                    |
| 2    | Yanashi           | 89                  | 130             | 31.0                   | 1.1                  | 2756                  | 99.2                    | 16.2                   | 1.2                    |
| 3    | Bajo Amazonas     | 71                  | 50              | 34.2                   | 1.2                  | 2427                  | 87.4                    | 14.3                   | 1.1                    |
| 4    | San Gregorio      | 76                  | 104             | 31.8                   | 1.1                  | 2414                  | 86.9                    | 14.2                   | 1.1                    |
| 5    | Islandia          | 29                  | 131             | 34.8                   | 1.3                  | 1009                  | 36.3                    | 5.9                    | 0.4                    |
| 6    | Oran              | 66                  | 68              | 13.2                   | 0.5                  | 872                   | 31.4                    | 5.1                    | 0.4                    |
| 7    | Canton            | 37                  | 66              | 18.4                   | 0.7                  | 680                   | 24.5                    | 4.0                    | 0.3                    |
| 8    | Orosa             | 7                   | 50              | 30.3                   | 1.1                  | 212                   | 7.6                     | 1.2                    | 0.1                    |
| 9    | San Pedro         | 6                   | 120             | 28.7                   | 1.0                  | 172                   | 6.2                     | 1.0                    | 0.1                    |
| 10   | Colonia           | 14                  | 27              | 11.4                   | 0.4                  | 160                   | 5.8                     | 0.9                    | 0.1                    |
| Top 10 cumulative | 537                | 131               | 4.7              | 25.7                   | 0.9                  | 17,023                | 612.8                   | 100                    | 7.5                    |
| Watershed Total | 663                |                     |                 |                        |                      |                       |                         |                        |
2. Experimental design, materials and methods

Data were collected daily between April 2012 and March 2013 at the major points of entry into Iquitos: the private ports of Don Jose and Sofy; the public ports of Productores, Belen, Pescaderos, and Masusa within Iquitos; the public ports of Bellavista Nanay, Morona Cocha, Pampa Chica, and Nina Rumi on the city outskirts; and the bus stop in Belen. To determine the amount of *M. flexuosa* and where it came from, we interviewed boat crews. We also reviewed log books of boats (*colectivos* and *lanchas*) that maintain detailed records of passengers, their point of embarkation, and the amounts of the products that they are transporting, including *M. flexuosa*. People travelling via *peque-peques* (small, slow motorized boats) and canoes do not keep records, and we directly interviewed operators at ports about the *M. flexuosa* fruit they brought to market. For *M. flexuosa* entering Iquitos by bus, we collaborated with the bus drivers who reported incoming fruit and its source to a supervisor who recorded the information on datasheets we provided. We used an average fruit sack weight of 36 kg (based on data collected at ports) to convert the number of sacks counted to weight [1]. Data were

### Table 3
Source locations of *M. flexuosa* fruit in the Bajo Marañón watershed. Nine source locations of fruit were recorded over the 12-month study.

| Rank | Embarkation point | Number of shipments | Maximum shipment | Mean fruit per shipment | Total fruit imported | Watershed imports (%) | Total annual imports (%) |
|------|-------------------|---------------------|------------------|------------------------|---------------------|-----------------------|-------------------------|
|      |                   | Sacks mT            | Sacks mT         | Sacks mT               | Sacks mT            |                       |                         |
| 1    | Nauta             | 245                 | 210 7.6          | 53.6 1.9               | 13,123 472.4        | 81.0 5.8              |
| 2    | Yanayacu Pucate   | 35                  | 200 7.2          | 79.9 2.9               | 2798 100.7          | 17.3 1.2              |
| 3    | Monte Carmelo     | 12                  | 15 0.5           | 7.3 0.3                | 88 3.2              | 0.5 0.0               |
| 4    | Nuevo Miraflores  | 1                   | 72 2.6           | 72.0 2.6              | 72 2.6              | 0.4 0.0              |
| 5    | Solteritos        | 6                   | 15 0.5           | 9.7 0.3                | 58 2.1              | 0.4 0.0              |
| 6    | Bagazán           | 2                   | 30 1.1           | 27.0 1.0               | 54 1.9              | 0.3 0.0              |
| 7    | Quebrada Cumapa   | 1                   | 5 0.2            | 5.0 0.2                | 5 0.2              | 0.0 0.0              |
| 8    | Puerto Perú       | 3                   | 5 0.2            | 3.3 0.1                | 10 0.4              | 0.1 0.0              |
| 9    | 20 de Enero       | 1                   | 3 0.1            | 3.0 0.1                | 3 0.1              | 0.0 0.0              |
| Top 9 cumulative |                   |                     | 53.0 1.9          | 16,211 583.6           | 100.0 7.1            |
| Watershed Total |                   |                     | 53.0 1.9          | 16,211 583.6           | 100 7.1              |

### Table 4
Top 10 source locations of *M. flexuosa* fruit in the Bajo Ucayali watershed. A total of 18 source locations of fruit were recorded over the 12-month study.

| Rank | Embarkation point | Number of shipments | Maximum shipment | Mean fruit per shipment | Total fruit imported | Watershed imports (%) | Total annual imports (%) |
|------|-------------------|---------------------|------------------|------------------------|---------------------|-----------------------|-------------------------|
|      |                   | Sacks mT            | Sacks mT         | Sacks mT               | Sacks mT            |                       |                         |
| 1    | Requena            | 72                  | 180 6.5          | 50.1 1.8               | 3606 129.8          | 66.0 1.6              |
| 2    | Jenaro Herrera    | 48                  | 116 4.2          | 20.1 0.7               | 966 34.8            | 17.7 0.4              |
| 3    | Libertad          | 11                  | 50 1.8           | 16.5 0.6               | 181 6.5            | 3.3 0.1               |
| 4    | Puerto Miguel     | 7                   | 62 2.2           | 22.4 0.8               | 157 5.7            | 2.9 0.1               |
| 5    | Capitan Clavero   | 12                  | 20 0.7           | 9.5 0.3                | 114 4.1            | 2.1 0.1               |
| 6    | Sapuena           | 3                   | 53 1.9           | 32.7 1.2               | 98 3.5              | 1.8 0.0               |
| 7    | Bretaña           | 2                   | 72 2.6           | 43.5 1.6               | 87 3.1              | 1.6 0.0               |
| 8    | Castaña           | 4                   | 22 0.8           | 13.5 0.5               | 54 1.9              | 1.0 0.0               |
| 9    | Ucayali           | 1                   | 42 1.5           | 42.0 1.5               | 42 1.5              | 0.8 0.0               |
| 10   | Santa Elena       | 1                   | 40 1.4           | 40.0 1.4               | 40 1.4              | 0.7 0.0               |
| Top 10 cumulative |                   |                     | 33.2 1.2          | 5345 192.4           | 97.8 2.3            |
| Watershed Total |                   |                     | 32.3 1.2          | 5467 196.8           | 100 2.4             |

2. Experimental design, materials and methods

Data were collected daily between April 2012 and March 2013 at the major points of entry into Iquitos: the private ports of Don Jose and Sofy; the public ports of Productores, Belen, Pescaderos, and Masusa within Iquitos; the public ports of Bellavista Nanay, Morona Cocha, Pampa Chica, and Nina Rumi on the city outskirts; and the bus stop in Belen. To determine the amount of *M. flexuosa* and where it came from, we interviewed boat crews. We also reviewed log books of boats (*colectivos* and *lanchas*) that maintain detailed records of passengers, their point of embarkation, and the amounts of the products that they are transporting, including *M. flexuosa*. People travelling via *peque-peques* (small, slow motorized boats) and canoes do not keep records, and we directly interviewed operators at ports about the *M. flexuosa* fruit they brought to market. For *M. flexuosa* entering Iquitos by bus, we collaborated with the bus drivers who reported incoming fruit and its source to a supervisor who recorded the information on datasheets we provided. We used an average fruit sack weight of 36 kg (based on data collected at ports) to convert the number of sacks counted to weight [1]. Data were
Table 5  
Top 10 source locations of *M. flexuosa* fruit in the Medio Bajo Marañón watershed. A total of 45 source locations of fruit were recorded over the 12-month study.

| Rank | Embarkation point             | Number of shipments | Maximum shipment | Mean fruit per shipment | Total fruit imported | Watershed imports (%) | Total annual imports (%) |
|------|-------------------------------|---------------------|------------------|------------------------|----------------------|-----------------------|-------------------------|
|      |                               |                     | Sacks mT         | Sacks mT               | Sacks mT             |                       |                         |
| 1    | San Roque                      | 127                 | 672              | 24.2                   | 171.0                | 6.2                   | 20,332                 | 87.9                    | 791.8                     | 19.0                     | 9.5                      |
| 2    | Santa Rita de Castilla         | 192                 | 360              | 13.0                   | 77.9                 | 2.8                   | 14,963                 | 61.0                    | 538.7                     | 13.1                     | 6.6                      |
| 3    | Santa Rosa de Lagarto          | 61                  | 524              | 18.9                   | 165.2                | 5.9                   | 10,076                 | 46.0                    | 362.7                     | 8.8                      | 4.4                      |
| 4    | Cuninico                       | 106                 | 326              | 11.7                   | 89.8                 | 3.2                   | 9,520                  | 40.0                    | 342.7                     | 8.3                      | 4.2                      |
| 5    | San José de Parinari           | 75                  | 431              | 15.5                   | 102.4                | 3.7                   | 7,683                  | 33.0                    | 276.6                     | 6.7                      | 3.4                      |
| 6    | Roca Fuerte                    | 105                 | 430              | 15.5                   | 71.6                 | 2.6                   | 7,519                  | 31.0                    | 270.7                     | 6.6                      | 3.3                      |
| 7    | Parinari                       | 99                  | 333              | 12.0                   | 67.5                 | 2.4                   | 6,684                  | 27.0                    | 240.6                     | 5.8                      | 2.9                      |
| 8    | Alianza                        | 62                  | 375              | 13.5                   | 86.9                 | 3.1                   | 5,390                  | 22.0                    | 194.0                     | 4.7                      | 2.4                      |
| 9    | Buena Vista de Jerusalen       | 57                  | 287              | 10.3                   | 76.6                 | 2.8                   | 4,369                  | 18.0                    | 157.3                     | 3.8                      | 1.9                      |
| 10   | San José de Saramuro           | 79                  | 163              | 5.9                    | 38.2                 | 1.4                   | 3,014                  | 12.0                    | 108.5                     | 2.6                      | 1.3                      |
|      | Top 10 cumulative              |                     |                  |                        |                      |                       |                         |                         |                           |                         |                         |
|      | Watershed Total                | 963                 | –                | –                     | 94.4                 | 3.4                   | 90,935                 | 35.0                    | 3273.7                    | 79.5                     | 39.9                     |

Table 6  
Top 10 source locations of *M. flexuosa* fruit in the Napo watershed. 37 source locations of fruit were recorded over the 12-month study.

| Rank | Embarkation point             | Number of shipments | Maximum shipment | Mean fruit per shipment | Total fruit imported | Watershed imports (%) | Total annual imports (%) |
|------|-------------------------------|---------------------|------------------|------------------------|----------------------|-----------------------|-------------------------|
|      |                               |                     | Sacks mT         | Sacks mT               | Sacks mT             |                       |                         |
| 1    | Mazan                         | 392                 | 213              | 7.7                    | 31.0                 | 1.1                   | 12,145                 | 43.2                    | 473.2                     | 70.2                     | 5.3                      |
| 2    | Tigrillo                      | 27                  | 50               | 1.8                    | 20.2                 | 0.7                   | 546                    | 19.7                    | 194.3                     | 3.2                      | 0.2                      |
| 3    | Bagazán                       | 20                  | 119              | 4.3                    | 25.9                 | 0.9                   | 517                    | 18.6                    | 168.7                     | 3.0                      | 0.2                      |
| 4    | Nuñez Cocha                   | 18                  | 60               | 2.2                    | 21.7                 | 0.8                   | 391                    | 14.1                    | 141.3                     | 2.3                      | 0.2                      |
| 5    | Santa Lucía                   | 12                  | 74               | 2.7                    | 32.0                 | 1.2                   | 384                    | 13.8                    | 138.2                     | 2.2                      | 0.2                      |
| 6    | Napo                          | 61                  | 100              | 3.6                    | 6.0                  | 0.2                   | 369                    | 13.3                    | 133.0                     | 2.1                      | 0.2                      |
| 7    | San Pedro de Mangua           | 16                  | 60               | 2.2                    | 21.0                 | 0.8                   | 336                    | 12.1                    | 121.0                     | 1.9                      | 0.1                      |
| 8    | Mangua                        | 20                  | 44               | 1.6                    | 14.1                 | 0.5                   | 283                    | 10.2                    | 94.7                      | 1.6                      | 0.1                      |
| 9    | Nuevo Progreso                | 11                  | 90               | 3.2                    | 23.8                 | 0.9                   | 262                    | 9.4                     | 94.7                      | 1.5                      | 0.1                      |
| 10   | Yurac Yacu                    | 17                  | 54               | 1.9                    | 14.1                 | 0.5                   | 240                    | 8.6                     | 84.0                      | 1.4                      | 0.1                      |
|      | Top 10 cumulative              |                     |                  |                        |                      |                       |                         |                         |                           |                         |                         |
|      | Watershed Total                | 594                 | –                | –                     | 26.0                 | 0.9                   | 15,471                 | 556.9                   | 89.4                     | 6.8                      | 0.1                      |
incorporated into GIS to visually display sources of incoming *M. flexuosa* fruit. This allowed us to quantify the spatio-temporal patterns of harvest, from which watersheds fruit was coming from, and which communities and locations were providing the most fruit to the market and when (Tables 1–8). Additional details and specifics on methods are described by Horn et al. [1].

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### Table 7

Top 10 source locations of *M. flexuosa* fruit in the Tigre watershed. 16 source locations of fruit were recorded over the 12-month study.

| Rank | Embarkation point | Number of shipments | Maximum shipment | Mean fruit per shipment | Total fruit imported | Watershed imports (%) | Total annual imports (%) |
|------|-------------------|---------------------|------------------|-------------------------|----------------------|-----------------------|-------------------------|
|      |                   | Sacks mT            | Sacks mT         | Sacks mT                |                      |                       |                         |
| 1    | Nueva York        | 109                 | 600              | 21.6                    | 146.7                | 5.3                   | 15,985                  | 71.6                     | 7.0                      |
| 2    | Monte Verde       | 27                  | 143              | 5.1                     | 70.4                 | 2.5                   | 1900                    | 68.4                     | 8.5                      |
| 3    | Miraflores        | 26                  | 200              | 7.2                     | 61.2                 | 2.2                   | 1590                    | 57.2                     | 7.1                      |
| 4    | Bellavista        | 27                  | 158              | 5.7                     | 52.8                 | 1.9                   | 1425                    | 51.3                     | 6.4                      |
| 5    | Piura             | 7                   | 130              | 4.7                     | 59.1                 | 2.1                   | 414                     | 14.9                     | 1.9                      |
| 6    | Santa Cruz        | 8                   | 117              | 4.2                     | 47.4                 | 1.7                   | 379                     | 13.6                     | 1.7                      |
| 7    | San Jorge         | 9                   | 82               | 3.0                     | 40.9                 | 1.5                   | 368                     | 13.2                     | 1.6                      |
| 8    | Nuevo Paraiso     | 1                   | 64               | 2.3                     | 64.0                 | 2.3                   | 64                      | 2.3                      | 0.3                      |
| 9    | Paraiso           | 2                   | 40               | 1.4                     | 28.5                 | 1.0                   | 57                      | 2.1                      | 0.3                      |
| 10   | Quebrada Nahuapa  | 2                   | 45               | 1.6                     | 24.0                 | 0.9                   | 48                      | 1.7                      | 0.2                      |
| Top 10 cumulative | 218               | –                 | –                | –                       | 102.0                | 3.7                   | 22,230                  | 800.3                    | 99.5                     |
| Watershed Total  | 224              | 600               | 21.6              | 99.7                    | 3.6                  | 22,334                | 804.0                   | 100                      | 9.8                      |

### Table 8

Monthly pattern of *M. flexuosa* fruit shipments to Iquitos by watershed. Values are in metric tons (mT).

| Watershed               | 2012 April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | 2013 Jan. | Feb. | Mar. | Total |
|-------------------------|------------|-----|------|------|------|-------|------|------|------|-----------|------|------|-------|
| Huallaga                | 0.0        | 0.0 | 0.0  | 0.0  | 0.0  | 0.0   | 0.0  | 0.0  | 0.0  | 0.0       | 0.0  | 0.0  | 1.1   |
| Bajo Ucayali            | 11.6       | 13.1| 14.7 | 9.3  | 13.9 | 7.2   | 11.6 | 41.3 | 33.2 | 10.6      | 12.6 | 17.9 | 196.8 |
| Tigre                   | 3.6        | 0.4 | 3.0  | 2.9  | 14.9 | 59.7  | 38.6 | 134.1| 172.7| 152.5     | 131.9| 89.6 | 804.0 |
| Medio Bajo Marañón      | 105.6      | 9.9 | 0.0  | 0.0  | 22.5 | 186.8 | 542.7| 680.2| 680.7| 680.2     | 606.6| 610.2| 4113.5 |
| Bajo Marañón            | 23.6       | 22.4| 1.9  | 2.2  | 18.8 | 90.0  | 73.8 | 61.9 | 91.8 | 79.2      | 46.8 | 74.7 | 587.1 |
| Amazonas                | 33.2       | 110.8| 279.4| 386.8| 364.7| 919.0 | 0.0  | 0.0  | 0.0  | 0.0       | 0.0  | 0.6  | 1267.5 |
| Bajo Amazonas           | 47.0       | 156.5| 111.4| 138.9| 119.5| 32.5  | 0.0  | 0.0  | 0.0  | 0.0       | 0.0  | 0.5  | 612.8 |
| Napo                    | 6.7        | 26.1 | 77.1 | 105.9| 203.4| 168.2 | 20.3 | 0.0  | 0.0  | 1.1       | 7.8  | 6.6  | 623.1 |
| Total Imported          | 231.2      | 339.2| 487.5| 646.0| 757.7| 636.4 | 686.9| 917.5| 978.4| 911.7     | 806.2| 807.2| 8205.9 |
| Embarkation Points (#)  | 103        | 109 | 108  | 109  | 114  | 120   | 37   | 46   | 40   | 43        | 40   | 50   | 273   |
Transparency document. Supplementary material

Transparency document associated with this article can be found in the online version at https://doi.org/10.1016/j.dib.2018.07.045.

Appendix A. Supplementary material

Supplementary data associated with this article can be found in the online version at https://doi.org/10.1016/j.dib.2018.07.045.

Appendix B. Supplementary material

Supplementary data associated with this article can be found in the online version at https://doi.org/10.1016/j.dib.2018.07.045. These data include Google maps of the most important areas described in this article.

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