# **Appendixes**

## **Appendix A: Queries**

**Query for Syrian Case**

*(Syrien OR Syrer OR Syrers OR Syrern OR Syrisch OR Syrier OR Syrerin OR Syrerinnen OR Syrierin) (Migration OR Abwanderung OR Auswanderung OR Migrationsbewegung OR Massenmigration OR Völkerwanderung OR Immigration OR Immigrationen OR Wanderungsbewegung OR Zuwanderung OR Einwanderer OR Einwanderin OR Einwanderinnen OR Migrant OR Migranten OR Migrantin OR Migrantinnen OR Zuwanderer OR Zuwanderer OR Zuwanderin OR Zuwanderinnen OR Asylant OR Asylanten OR Asylantin OR Asylantinnen OR Aussiedler OR Aussiedlerin OR Aussiedlerinnen OR Flüchtender OR Flüchtende OR Flüchtling OR Flüchtlinge OR Geflüchteter OR Geflüchtete OR Asylbewerber OR Asylbewerber OR Asylbewerberin OR Asylbewerberinnen OR Asylsuchender OR Asylsuchende OR migrieren OR abwandern OR auswandern OR einwandern OR immigrieren OR Vertriebene)* lang:*de*

**Query for Ukrainian Case**

*(Ukraine OR Ukrainisch OR Ukrainer OR Ukrainers OR Ukrainern OR Ukrainerin OR Ukrainerinnen) (Migration OR Abwanderung OR Auswanderung OR Migrationsbewegung OR Massenmigration OR Völkerwanderung OR Immigration OR Immigrationen OR Wanderungsbewegung OR Zuwanderung OR Einwanderer OR Einwanderin OR Einwanderinnen OR Migrant OR Migranten OR Migrantin OR Migrantinnen OR Zuwanderer OR Zuwanderer OR Zuwanderin OR Zuwanderinnen OR Asylant OR Asylanten OR Asylantin OR Asylantinnen OR Aussiedler OR Aussiedlerin OR Aussiedlerinnen OR Flüchtender OR Flüchtende OR Flüchtling OR Flüchtlinge OR Geflüchteter OR Geflüchtete OR Asylbewerber OR Asylbewerber OR Asylbewerberin OR Asylbewerberinnen OR Asylsuchender OR Asylsuchende OR migrieren OR abwandern OR auswandern OR einwandern OR immigrieren OR Vertriebene)* lang:*de*

## **Appendix B: Tie Grids of Communication Networks (N1 and N2)**

The matrices below show the internal and external ties between the detected top 10 communities in N1 and N2, respectively. The column and row titles show the assigned community labels, and their connection gives the ties among them. When the column and row numbers are equal, they give the internal tie count of a community. They are the basis of Graphs 1 and 2 but presented here for interested readers.

**Community Interaction Grid Syria (N1)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **0** | **2** | **4** | **5** | **7** | **11** | **13** | **21** | **25** | **38** |
| **0** | 54025 | 2097 | 2434 | 20790 | 97 | 345 | 51 | 1 | 283 | 376 |
| **2** | 2097 | 36558 | 6524 | 660 | 3404 | 1593 | 618 | 0 | 701 | 2033 |
| **4** | 2434 | 6524 | 8400 | 682 | 506 | 529 | 108 | 6 | 322 | 351 |
| **5** | 20790 | 660 | 682 | 25414 | 162 | 183 | 23 | 0 | 174 | 205 |
| **7** | 97 | 3404 | 506 | 162 | 8731 | 394 | 233 | 0 | 151 | 364 |
| **11** | 345 | 1593 | 529 | 183 | 394 | 4207 | 57 | 0 | 80 | 157 |
| **13** | 51 | 618 | 108 | 23 | 233 | 57 | 1461 | 0 | 33 | 31 |
| **21** | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 3371 | 0 | 0 |
| **25** | 283 | 701 | 322 | 174 | 151 | 80 | 33 | 0 | 1809 | 82 |
| **38** | 376 | 2033 | 351 | 205 | 364 | 157 | 31 | 0 | 82 | 3369 |

Table A. Community interaction Grid Syria (N1)

## **Community Interaction Grid Ukraine (N2)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **0** | **1** | **2** | **3** | **4** | **10** | **12** | **15** | **19** | **48** |
| **0** | 85560 | 337 | 3054 | 2488 | 753 | 435 | 248 | 246 | 47 | 620 |
| **1** | 337 | 10522 | 1886 | 1596 | 5782 | 576 | 445 | 185 | 408 | 1356 |
| **2** | 3054 | 1886 | 12803 | 2370 | 4636 | 617 | 512 | 211 | 244 | 1260 |
| **3** | 2488 | 1596 | 2370 | 9159 | 3421 | 458 | 438 | 211 | 222 | 1886 |
| **4** | 753 | 5782 | 4636 | 3421 | 33787 | 1501 | 969 | 421 | 631 | 3720 |
| **10** | 435 | 576 | 617 | 458 | 1501 | 8483 | 69 | 89 | 45 | 286 |
| **12** | 248 | 445 | 512 | 438 | 969 | 69 | 2803 | 24 | 102 | 595 |
| **15** | 246 | 185 | 211 | 211 | 421 | 89 | 24 | 2945 | 27 | 74 |
| **19** | 47 | 408 | 244 | 222 | 631 | 45 | 102 | 27 | 1955 | 277 |
| **48** | 620 | 1356 | 1260 | 1886 | 3720 | 286 | 595 | 74 | 277 | 11433 |

Table B. Community interaction Grid Ukraine (N2)