**Appendix C**

**Topic Model**

**Figure C1**

*Topic Model Results*

| Topic 0 | Topic 1 | Topic 2 | Topic 3 | Topic 4 | Topic 5 | Topic 6 | Topic 7 | Topic 8 | Topic 9 | Topic 10 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Technology Development or Education | Youth or Future Development | Freedom of Expression or AI | Internet as a Global Commons | Gender, Security, or Justice Online | Global Digital Compact | Internet Interoperability | Protecting Human Rights Online | Multistakeholder Model | Global Digital Governance or AI | International Internet Governance |
| digital | future | ai | digital | women | global | internet | data | society | global | international |
| technologies | countries | systems | public | gender | digital | access | rights | private | digital | internet |
| development | needs | freedom | data | security | compact | people | human | governments | united | governance |
| sustainable | children | right | open | online | agenda | connectivity | protection | sector | nations | standards |
| literacy | capacity | human | global | violence | common | digital | online | civil | 2023 | national |
| sustainability | need | rights | economic | yes | gdc | information | content | companies | intelligence | 2022 |
| education | generations | expression | social | girls | action | services | privacy | stakeholders | artificial | policy |
| technology | youth | use | commons | org | cooperation | infrastructure | principles | organizations | forum | multistakeholder |
| innovation | building | information | good | safety | key | fragmentation | personal | government | governance | global |
| use | different | risks | free | groups | future | including | protect | technology | report | technical |
| transformation | developing | impact | goods | bias | principles | accessibility | ensure | services | compact | law |
| new | knowledge | risk | development | discrimination | process | pr | accountability | public | 2021 | accessed |
| emerging | best | regulation | secure | httpswww | members | universal | platforms | community | international | issues |
| climate | time | privacy | information | agi | new | online | digital | policies | 2022 | framework |
| environmental | implementation | potential | internet | gaps | consultation | communities | security | digital | igf | states |
| change | support | development | trust | equality | development | meaningful | use | including | general | regulatory |
| solutions | stakeholders | decisions | role | identified | area | use | information | business | april | initiative |
| opportunities | people | impacts | governance | sexual | commitments | network | law | products | 2020 | established |
| science | engagement | used | infrastructure | design | consultations | networks | users | work | research | model |
| challenges | platform | deployment | economy | abuse | africa | schools | respect | industry | world | approach |

*Note*. The words most strongly associated with each topic are displayed in the column below that topic. Topic labels were developed on the basis of these associated words.

**Table C2**

*Topics and Qualitative Categories*

|  | Document | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Wikimedia | Microsoft | Alliance for Universal Digital Rights | United States | University of Bath | ICANN | G77 and China | El-Salvador |
| Topic |  |  |  |  |  |  |  |  |
| Freedom of Expression or AI | 8 | 14 | 14 | 2 | 84 | 1 | 1 | 3 |
| Gender, Security, or Justice Online | 4 | 2 | 28 | 6 | 12 | 0 | 1 | 1 |
| Global Digital Compact | 2 | 25 | 5 | 22 | 24 | 6 | 9 | 5 |
| Global Digital Governance or AI | 5 | 11 | 0 | 3 | 42 | 1 | 3 | 1 |
| International Internet Governance | 9 | 8 | 5 | 13 | 41 | 15 | 24 | 9 |
| Internet as a Global Commons | 38 | 33 | 24 | 8 | 17 | 5 | 12 | 10 |
| Internet Interoperability | 31 | 23 | 18 | 11 | 4 | 29 | 10 | 9 |
| Multistakeholder Model | 26 | 16 | 7 | 8 | 16 | 4 | 7 | 5 |
| Protecting Human Rights Online | 64 | 50 | 34 | 20 | 22 | 0 | 3 | 9 |
| Technology Development or Education | 5 | 19 | 21 | 14 | 65 | 8 | 17 | 12 |
| Youth or Future Development | 14 | 10 | 2 | 4 | 29 | 1 | 14 | 6 |
| Total Automatically Extracted Sentences | 206 | 211 | 158 | 111 | 356 | 70 | 101 | 70 |
| Codebook Category |  |  |  |  |  |  |  |  |
| Cultural-Scientific-Education | 30 | 16 | 39 | 15 | 5 | 11 | 15 | 9 |
| Freedom-Privacy | 25 | 19 | 33 | 13 | 4 | 0 | 1 | 4 |
| Expression-Participation | 47 | 5 | 27 | 3 | 4 | 0 | 1 | 1 |
| General-Human-Rights | 13 | 17 | 23 | 20 | 10 | 0 | 0 | 6 |
| International-Cooperation | 51 | 56 | 26 | 29 | 45 | 4 | 33 | 17 |
| Interoperability | 9 | 27 | 7 | 10 | 2 | 18 | 10 | 12 |
| Justice | 18 | 13 | 60 | 19 | 12 | 7 | 23 | 16 |
| Security | 14 | 16 | 48 | 15 | 5 | 0 | 2 | 4 |
| Total Manually Extracted Sentences | 133 | 117 | 147 | 62 | 76 | 34 | 55 | 48 |

*Note*. This table displays the count of topic occurrence and qualitative code occurrence for each manually coded document used in codebook development.

The results in table C2 show that at the document level, the top three most frequent topics and categories are generally related for most documents. The top three topics from Wikimedia are Internet as a Global Commons, Internet Interoperability, and Protecting Human Rights Online; and the top three categories are Cultural-Scientific-Education, Expression-Participation, and International-Cooperation. For Microsoft, the top three topics are Global Digital Compact, Internet as a Global Commons, and Protecting Human Rights Online; the top three categories are Freedom-Privacy, International-Cooperation, and Interoperability. For the Alliance for Universal Digital Rights, the top three topics are Gender, Security, or Justice Online; Internet as a Global Commons; and Protecting Human Rights Online; the top three categories are Cultural-Scientific-Education; Justice; and Security. For the United States, the top three topics are Global Digital Compact, Protecting Human Rights Online, and Technology Development or Education; the top three categories are General-Human-Rights, International-Cooperation, and Justice. For the University of Bath, the top three topics are Freedom of Expression or AI, Global Digital Governance or AI, and Technology Development or Education; the top three categories are General-Human-Rights, International-Cooperation, and Justice. For ICANN, the top three topics were International Internet Governance, Internet Interoperability, and Technology Development or Education; and the top three categories were Cultural-Scientific-Education, Interoperability, and Justice. For the G77 and China document the top three topics were International Internet Governance, Technology Development or Education, and Youth or Future Development; the top three categories were Cultural-Scientific-Education, International-Cooperation, and Justice. For El-Salvador, the top topics are International Internet Governance, Internet as a Global Commons, Internet Interoperability, Protecting Human Rights Online, and Technology Development or Education (three topics were tied for third place); the top categories are International-Cooperation, Interoperability, and Justice.

There are, however, several exceptions to the overlap between topics and categories. Disconnects between topics and categories are Interoperability/Internet Interoperability in the Microsoft and Wikimedia documents; Technology Development or Education in the United States document; Freedom of Expression or AI, Technology Development or Education, General-Human-Rights, and Justice in the University of Bath document; International Internet Governance in the ICANN document; Justice in the G77 and China document; and Technology Development or Education in the El-Salvador document.

**Table C3**

*Topic Counts by Actor Category*

|  | Topic | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Author Category | Freedom of Expression or AI | Gender, Security, or Justice Online | Global Digital Compact | Global Digital Governance or AI | International Internet Governance | Internet as a Global Commons | Internet Interoperability | Multistakeholder Model | Protecting Human Rights Online | Technology Development or Education | Youth or Future Development |
| Multi stakeholder / multi sectoral group | 133 | 155 | 370 | 273 | 343 | 233 | 399 | 261 | 444 | 586 | 244 |
| Advocacy networks | 373 | 339 | 263 | 348 | 144 | 305 | 362 | 242 | 548 | 1184 | 190 |
| Big companies | 39 | 10 | 58 | 25 | 49 | 80 | 94 | 57 | 111 | 266 | 40 |
| Developed economy | 40 | 43 | 106 | 57 | 121 | 152 | 94 | 77 | 193 | 149 | 63 |
| Developing economy | 19 | 7 | 49 | 23 | 122 | 82 | 60 | 47 | 106 | 78 | 61 |
| Educational Institution (non-school or university) | 108 | 31 | 32 | 96 | 41 | 53 | 74 | 58 | 214 | 45 | 31 |
| Government | 59 | 50 | 155 | 80 | 243 | 234 | 154 | 124 | 299 | 227 | 124 |
| Individual | 96 | 55 | 33 | 50 | 50 | 44 | 54 | 32 | 161 | 84 | 38 |
| Technical experts | 12 | 4 | 10 | 2 | 14 | 3 | 16 | 7 | 8 | 9 | 11 |
| Industry coalition | 18 | 16 | 37 | 29 | 69 | 51 | 102 | 51 | 46 | 54 | 29 |
| International organization | 108 | 123 | 187 | 134 | 182 | 168 | 207 | 178 | 329 | 332 | 153 |
| Little companies | 7 | 3 | 10 | 17 | 2 | 13 | 1 | 8 | 17 | 7 | 9 |
| Multi-sector business organizations | 23 | 10 | 67 | 52 | 65 | 37 | 41 | 41 | 72 | 32 | 37 |
| Non-governmental organizations | 497 | 229 | 310 | 278 | 235 | 339 | 561 | 354 | 824 | 723 | 373 |
| Non-profit technical coordination bodies | 5 | 9 | 17 | 9 | 56 | 16 | 64 | 13 | 32 | 24 | 8 |
| Regional consultation documents | 150 | 175 | 262 | 99 | 128 | 215 | 238 | 277 | 133 | 378 | 361 |
| Regional organizations | 23 | 17 | 16 | 28 | 28 | 51 | 36 | 13 | 80 | 34 | 13 |
| Research Institutions | 363 | 338 | 722 | 971 | 674 | 452 | 559 | 293 | 549 | 1567 | 555 |
| Technical standards setting bodies | 21 | 16 | 46 | 45 | 95 | 40 | 45 | 37 | 36 | 82 | 32 |
| Technology companies | 55 | 12 | 52 | 43 | 35 | 78 | 78 | 48 | 101 | 283 | 39 |
| Social media companies | 4 | 4 | 20 | 4 | 19 | 18 | 19 | 18 | 29 | 10 | 12 |
| Universities | 220 | 172 | 258 | 419 | 217 | 115 | 85 | 130 | 238 | 623 | 123 |
| Total | 2373 | 1818 | 3080 | 3082 | 2932 | 2779 | 3343 | 2366 | 4570 | 6777 | 2546 |

*Note.* This table displays the number of sentences assigned to each topic for each actor category.

**Table C4**

*Most Frequent Topics by Actor Category*

| Entity/Org Type | Category | Primary Topic | Secondary Topic | Tertiary Topic |
| --- | --- | --- | --- | --- |
| Academia/research institution/think tank | University | Technology Development or Education (n = 623) | Global Digital Governance or AI (n = 419) | Global Digital Compact (n = 258) |
|  | Research Institution | Technology Development or Education (n = 1567) | Global Digital Governance or AI (n = 971) | Global Digital Compact (n = 722) |
|  | Schools | NA | NA | NA |
|  | Educational Institution (non-school or university) | Protecting Human Rights Online (n = 214) | Freedom of Expression or AI (n = 108) | Global Digital Governance or AI (n = 96) |
| Civil society or non-governmental organization | Non-governmental organizations | Protecting Human Rights Online (n = 824) | Technology Development or Education (n = 723) | Internet Interoperability (n = 561) |
|  | Advocacy networks | Technology Development or Education (n = 1184) | Protecting Human Rights Online (n = 548) | Freedom of Expression or AI (n = 373) |
| Government | Developed economy | Protecting Human Rights Online (n = 193) | Internet as a Global Commons (n = 152) | Technology Development or Education (n = 149) |
|  | Developing economy | International Internet Governance (n = 122) | Protecting Human Rights Online (n = 106) | Internet as a Global Commons (n = 82) |
|  | Government | Protecting Human Rights Online (n = 299) | International Internet Governance (n = 243) | Internet as a Global Commons (n = 234) |
| Individual | Individual | Protecting Human Rights Online (n = 161) | International Internet Governance (n = 14) | Technology Development or Education (n = 84) |
|  | Technical experts | Internet Interoperability (n = 16) | International Internet Governance (n = 14) | Freedom of Expression or AI (n = 12) |
|  | Informal group of individuals | NA | NA | NA |
| International, regional or multilateral organization | International organization | Technology Development or Education (n = 332) | Protecting Human Rights Online (n = 329) | Internet Interoperability (n = 207) |
|  | Regional organization | Protecting Human Rights Online (n = 80) | Internet as a Global Commons (n = 51) | Internet Interoperability (n = 36) |
|  | Multilateral organization | NA | NA | NA |
| Other | Other | NA | NA | NA |
| Private sector/Corporation | Big companies | Technology Development or Education (n = 266) | Protecting Human Rights Online (n = 111) | Internet Interoperability (n = 94) |
|  | Little companies | Global Digital Governance or AI (n = 17); Protecting Human Rights Online(n = 17) | Internet as a Global Commons (n = 13) | Global Digital Compact (n = 10) |
|  | Technology companies | Technology Development or Education (n = 283) | Protecting Human Rights Online (n = 101) | Internet as a Global Commons (n = 78); Internet Interoperability (n = 78) |
|  | Social media companies | Protecting Human Rights Online (n = 29) | Global Digital Compact (n = 20) | International Internet Governance (n = 19); Internet Interoperability (n = 19) |
|  | Industry coalition | Internet Interoperability (n = 102) | International Internet Governance (n = 69) | Technology Development or Education (n = 54) |
|  | Multi-sector business organization | Protecting Human Rights Online (n = 72) | Global Digital Compact (n = 67) | International Internet Governance (n = 65) |
| Technical community | Technical standards setting body | International Internet Governance (n = 95) | Technology Development or Education (n = 82) | Global Digital Compact (n = 46) |
|  | Non-profit technical coordination body | Internet Interoperability (n = 64) | International Internet Governance (n = 56) | Protecting Human Rights Online (n = 32) |
| NA | Multi stakeholder / multi sectoral group | Technology Development or Education (n = 586) | Protecting Human Rights Online (n = 444) | Internet Interoperability (n = 399) |
| NA | Regional consultation document | Technology Development or Education (n = 378) | Youth or Future Development (n = 361) | Multistakeholder Model (n = 277) |

*Note.* This table shows the top three topics for each actor category based on the number of sentences assigned to that topic. NA in the topic columns indicate that no documents are in that category. NA in the Entity/Org Type column indicates the category does not fall under one of the types in the GDC consultation submissions metadata.