

Nr crt	Cluster	Sub-clusters and issues	Theme
1	Digitalisation, development and sustainability (26)	Digitalisation/digital transformation for development (across industries, public services, society overall) (14) Internet, digital technologies and sustainability/SDGs (9) Enabling policy environments for digitalisation (3)	SUSTAINABILITY AND ENVIRONMENT
2	Data privacy (23)	Privacy and data protection (general) (14) National and international privacy legislation – present, future, implications (5) Platforms and data privacy (2) Balancing national / international security and privacy (1) Identification and authentication – privacy implications (1)	DATA
3	Freedoms in the digital space (21)	Freedom of expression – between platforms' content policies and government regulation (9) Transparency and accountability in content moderation (both human and algorithmic) (6) Protection of freedom of expression (general) (5) Intellectual property and freedom of expression (1)	DIGITAL RIGHTS AND FREEDOMS
4	Regulating Big Tech (20)	Regulating Big Tech – addressing market concentration/centralisation and fostering competition (15) Regulation of social media platforms (general) (4) Digital platforms as public infrastructure (1)	ECONOMIC ISSUES
5	Expanding Internet infrastructure (20)	Developing and deploying Internet infrastructures (6) Community networks (5) Policy and regulatory solutions to enable cost-effective expansion of connectivity (including alternative models) (6) Broadband connectivity (3)	INCLUSION
6	Internet, digital tech and environment (18)	Digital technologies and environment protection – benefits and risks (6) Greening the Internet and digital tech (6) Environment protection (general) (6)	SUSTAINABILITY AND ENVIRONMENT
7	Protecting human rights in the digital space (18)	Digital rights (general) (6) Human-rights-based approaches to technology design and policy (5) Roles and responsibilities of the private sector (4) Legal frameworks for digital rights (national and international) (2) Capacity development for digital rights advocates (1)	DIGITAL RIGHTS AND FREEDOMS
8	Inclusion of disadvantaged/vulnerable communities (17)	Digital inclusion of disadvantaged communities (persons with disabilities, senior citizens, other vulnerable and marginalised groups) (10) Access and digital development in rural areas (7)	INCLUSION
9	Internet safety (17)	Child safety (8) Internet safety (general) (5) Online gender-based violence (4)	SECURITY & TRUST
10	IGF and NRIs (16)	Strengthening the IGF (12) Strengthening and expanding NRIs (4)	INTERNET GOVERNANCE ECOSYSTEM

11	Online education (16)	Online education and the digitalisation of educational processes/institutions – challenges and opportunities (8) Access to online education (6) Online education and children's rights (2)	INCLUSION
12	Online trust and content policy (16)	Tackling misinformation & disinformation (15) Addressing violent content online (1)	SECURITY & TRUST
13	Universal access (15)	Internet access for all (12) Affordability of access (3)	INCLUSION
14	Capacity development (14)	Developing digital skills (10) Digital literacy (4)	INCLUSION
15	Artificial intelligence (AI) (13)	AI governance, human rights and ethics (6) AI (general) (3) AI readiness/adoption (2) AI applications for good (2)	NEW AND EMERGING TECHNOLOGIES
16	Data governance (13)	Data governance (5) Cross-border data flows – governance approaches (4) Governance frameworks for data sharing (3) Data portability (1)	DATA
17	Digital (inter)dependence (12)	Implications of digital sovereignty approaches (5) Internet fragmentation – causes and consequences (5) China-USA tech relations (2)	DIGITAL COOPERATION
18	Inclusion within IG and policy spaces/processes (12)	Inclusive and open IG/policy processes (7) IG capacity development (3) Addressing issues of interest for developing countries (2)	INTERNET GOVERNANCE ECOSYSTEM
19	Access to and development of online content/resources (10)	Multilingualism and local content (access and development) (5) (Equitable) access to (open) content and resources (5)	INCLUSION
20	Children's rights (10)	Protection of children's rights (8) National and international instruments for protecting children's rights (2)	DIGITAL RIGHTS AND FREEDOMS
21	Cybersecurity – other issues (10)	Cybersecurity (general) (5) Cybersecurity strategies, policies, frameworks (2) Cybersecurity awareness (2) Cybersecurity standards and best practices (1)	SECURITY & TRUST
22	Gender inclusion (10)	Gender equality (6) Addressing the gender gap in access and skills (4)	INCLUSION
23	Digital cooperation (9)	Cooperation in governing the digital future (5) Global digital cooperation (4)	DIGITAL COOPERATION
24	Internet, digital tech and climate (8)	Internet, IG and climate action (6) Digital tech for weather forecast (2)	SUSTAINABILITY AND ENVIRONMENT
25	Internet of things (IoT) (8)	IoT applications for good (3) IoT and innovation (3) Technologies for connected and self-driving cars (2)	NEW AND EMERGING TECHNOLOGIES
26	Future of work (8)	Jobs in the digital age (3) Social protection for workers (3) Frameworks for online work (2)	ECONOMIC ISSUES
27	Consumer protection (7)		ECONOMIC ISSUES
28	Digital rights and equality (7)	Digital tech and racial justice (3) Gender rights online (2) Equal digital rights for all (2)	DIGITAL RIGHTS AND FREEDOMS
29	Digital authoritarianism and digital surveillance (6)	Digital authoritarianism and digital surveillance by governments (4) Digital surveillance by tech companies (2)	DIGITAL RIGHTS AND FREEDOMS

30	Digital economy, innovation and growth (6)		ECONOMIC ISSUES
31	Digital inclusion (general) (6)		INCLUSION
32	Encryption (6)		SECURITY & TRUST
33	Meaningful Internet access (6)	Quality Internet access (4)	INCLUSION
34	Challenges to current IG approaches (5)	Stable and reliable Internet access (2) Centralisation vs decentralisation of governance (2) The future of multistakeholderism (2) Rebalancing the power dynamic between stakeholders (1)	INTERNET GOVERNANCE ECOSYSTEM
35	Digital public goods (5)		DIGITAL COOPERATION
36	Implications of emerging technologies (5)	Disruptive technologies (3) Emerging technologies (general) (2)	NEW AND EMERGING TECHNOLOGIES
37	Internet and digital tech in the context of COVID-19 crisis and post-COVID recovery (5)		SUSTAINABILITY AND ENVIRONMENT
38	Network/infrastructure security (5)	Network security – addressing vulnerability and threats (4) Security of critical national infrastructures (1)	SECURITY & TRUST
39	Responsible state behaviour in cyberspace (5)	Malicious nation-state cyber actions (3) Cybernorms (1) Confidence building measures (1)	SECURITY & TRUST
40	Standardisation (5)	Existing and emerging Internet/IT standards (2) The interplay between standardisation and policy goals (2) Multistakeholderism and Internet standards development (1)	TECHNICAL ISSUES
41	Critical Internet resources (CIR) (4)	Top-level domains (2) Responsible CIR management (1) Governance of the DNS root (1)	TECHNICAL ISSUES
42	Cybercrime (4)	Cybercrime acts (3) Frameworks for international and public/private cooperation (1)	SECURITY & TRUST
43	Data availability and use (4)		DATA
44	Digital health (4)		SUSTAINABILITY AND ENVIRONMENT
45	Internet restrictions (4)	Internet shutdowns (2) Censorship (2)	DIGITAL RIGHTS AND FREEDOMS
46	Blockchain (3)		NEW AND EMERGING TECHNOLOGIES
47	Cyber-resilience (3)		SECURITY & TRUST
48	Internet/digital trust (3)		SECURITY & TRUST
49	Digital currencies (2)		ECONOMIC ISSUES
50	Digital tax (2)		ECONOMIC ISSUES
51	New communication technologies (2)	5G (1) 6G (1)	NEW AND EMERGING TECHNOLOGIES
52	Quantum computing (2)		NEW AND EMERGING TECHNOLOGIES
53	Youth inclusion (2)		INCLUSION
54	Cyber-diplomacy (1)		DIGITAL COOPERATION
55	Election security (1)		SECURITY & TRUST
56	ICT building blocks (1)		TECHNICAL ISSUES
57	Intersection of people governance and Internet governance (1)		INTERNET GOVERNANCE ECOSYSTEM
58	Mental health (1)		DIGITAL RIGHTS AND FREEDOMS
59	Pandemic effects on Internet governance (1)		INTERNET GOVERNANCE ECOSYSTEM
60	Protection of journalists (1)		DIGITAL RIGHTS AND FREEDOMS
61	Regulation (1)		INTERNET GOVERNANCE ECOSYSTEM
62	Self sovereign identity (1)		DIGITAL RIGHTS AND FREEDOMS
	507 issues		
	10 themes		
	53 clusters		
	9 stand-alone issues		

Nr crt	Cluster	Sub-clusters and issues	Details
1	Digitalisation, development and sustainability (26)	Digitalisation/digital transformation for development (across industries, public services, society overall) (14) Internet, digital technologies and sustainability/SDGs (9) Enabling policy environments for digitalisation (3)	Digitalisation/digital transformation for development (across industries, public services, society overall): AI in agriculture (#41.1), Innovations in advisory services (#41.2), Technological improvements to enhance production and productivity (#41.3); ICT4D (#188.1); public transportation (#190); Digital govstack - digital tech for the public sector (#143.3); E-government services (#158.2); Inclusive digital government solutions (#161.2); Contribution of the internet to the management of the world (#179); Digitalisation of the judicial system (#114.1); digital transformation & digital society (#185.1); Technology benefits society (#81.1), smart cities (#32.1, #68.3) Internet, digital technologies and sustainability/SDGs: Achieving SDGs (#126.3); SDGs (health, technology, sustainability, work, poverty, indicators) (#230.3); Internet for development (#9.2), Stability and development (#26.3), Sustainability and Security in the Cyber Age (#100.1); Sustainability (#157.3); sustainable, free, open and secure Internet (#178.2); New Technologies, Internet & digital sustainability (#202.2); Unlocking the Digital Potential of the least developed and developing countries (#216.2). Enabling policy environments for digitalisation: Public-private partnerships for ICT legislation (#76.2); Creating enabling policy environments to scale up investments in ICT and innovation to build back better after COVID-19 (#166.1); Public-private partnerships for ICT legislation (#76.2)
2	Data privacy (23)	Privacy and data protection (general) (14) National and international privacy legislation – present, future, implications (5) Platforms and data privacy (2) Balancing national / international security and privacy (1) Identification and authentication – privacy implications (1)	Privacy and data protection (general): Data privacy (#17.2, #50.2, 104.2), Privacy protection (#34.3), Security and privacy (#37), Protection of Internet privacy (#47.1), Privacy and data protection (#62) (#84.3); Protection of personal data (#115.1); Online privacy (personal data protection and data sharing) (#185.2); privacy protection in the era of big data (#192.3); security and confidentiality (#196.3); Privacy (#197.3); data protection/privacy (#208.3); Managing personal data (#80.1) National and international privacy legislation – present, future, implications: privacy law (#43); International rules for data protection (#93.1); Privacy legislation and implications for IG (#139.1); Convention for the Protection of Individuals with regard to Automatic Processing of Personal Data (Convention 108) and its prospect for the future (#228.1); Updating privacy rules; developing policies in an open manner; ensuring users are informed of privacy rights (#124.2) Platforms and data privacy: (#85), political microtargeting (#65.2) Balancing national / international security and privacy (#198.2) Identification and authentication – privacy implications (#52.3)
3	Freedoms in the digital space (21)	Freedom of expression – between platforms' content policies and government regulation (9) Transparency and accountability in content moderation (both human and algorithmic) (6) Protection of freedom of expression (general) (5) Intellectual property and freedom of expression (1)	Freedom of expression – between platforms' content policies and government regulation: Speech regulation by platforms, sovereign government, user-communities, and multi-stakeholder-process (#61.1); Freedom of speech regulation: between social media regulation and regulation by judicial systems (#141.1); Big tech and FoE (#147); effective legal and procedural frameworks for self-regulatory and co-regulatory mechanisms of content moderation (#228.2); Platform Regulation and Freedom of Expression (#99.1); Geopolitical aspects of platform content moderation (#87.2); Internet and democracy: platforms power above national governments? (#155.3); Internet Intermediary Liability (#185.5); Government regulation of online spaces (#167.4) Transparency and accountability in content moderation (both human and algorithmic): content moderation (#12.3); Content moderation and reporting mechanisms on social media platforms (#167.3); content moderation and accountability (#205.1); Moderation of content related to nudity and sexuality – need for more transparency(#27); SM content policy & role of AI (#10.2); Algorithmic and automated content moderation (#38.1) Protection of FoE: Protecting freedom of thought and freedom of opinion in the digital age (#55), FoE (#84.2); Personal opinion, the right to be delusional and the responsibility for a deliberate deception on the Internet (#225.1), Internet freedom (#51.1); growth of adult content (#97.3); Intellectual property and freedom of expression (#184.1)
4	Regulating Big Tech (20)	Regulating Big Tech – addressing market concentration/centralisation and fostering competition (15) Regulation of social media platforms (general) (4) Digital platforms as public infrastructure (1)	Regulating Big Tech – addressing market concentration/centralisation and fostering competition: digital monopolies (#65.1); Monopoly position of Big Tech (#120.3); Digital platform competition (#122.3); Remedies to market concentration (#131); Addressing Internet centralisation (#156.1); Market strength backed by Big Data - how to regulate? (#164.5); How to regulate the market position of the large internet platforms (#164.6); centralisation of end-user applications & centralised platform architecture (#218.1) & negative effects of social media centralization (#220.1) & Centralization of application delivery platforms (#220.2); Centralisation by app stores, device neutrality (#218.2); Centralisation of infrastructure (#218.3) & Centralization of Web infrastructure (#220.3); digital platforms and competition (#223.2); Governance of behaviors of big tech and media (#198.1). Regulation of social media platforms (general): Online media regulation (#109.3); Regulation of social media platforms (#151.2); The threats posed by oligopoly of the mainstream Social Networks (#225.2), Platform policy and media freedom (#163.3) Digital platforms as public infrastructure (#63.3)
5	Expanding Internet infrastructure (20)	Developing and deploying Internet infrastructures (6) Community networks (5) Policy and regulatory solutions to enable cost-effective expansion of connectivity (including alternative models) (6) Broadband connectivity (3)	Developing and deploying Internet infrastructures: Telecommunication Infrastructure development for better internet coverage (#91.2); Internet infrastructure development for inclusive economic participation (#92.2); ICT infrastructure (#185.3); development of infrastructure (#196.5); development and deployment of digital infrastructures - investment and financing issues (#221.1); Digital Infrastructure in Land locked countries (#112.1) Community networks: community networks (#6.1, #177.1, #206.2); fundraising for community networks (#20.2); community network in rural village (#109.2). Policy and regulatory solutions to enable cost-effective expansion of connectivity (including alternative models): Application of policy solutions to enable cost-effective expansion of connectivity: universal service funds, policies to stimulate accelerated investment and deployment, stimulating competition, infrastructure-sharing, and enabling the sharing of and dynamic access to underutilized spectrum (#145.1); Regulation of access through low-orbit communication satellites (#78); Alternative models to connect the unconnected (#14.1), Cost-effective and transformative connectivity models for building back better (#204.1); Affordability of infrastructures (#48.1); Regulatory capacity development for ISPs (#14.2) Broadband connectivity: Broadband access/connectivity (#122.2, #210.1); Lessons learned from implementing national broadband strategies and using USAF to support meaningful connectivity (#204.3)."

6	Internet, digital tech and environment (18)	Digital technologies and environment protection – benefits and risks (6) Greening the Internet and digital tech (6) Environment protection (general) (6)	Digital technologies and environment protection – benefits and risks: Role of digital tech in environment protection: ICT and environment (#14.3), Digital technologies and green policy (#36.2), contradictions in how we discuss and address the intersections between digital technologies and the environment (#182.2), Using IT to reduce farmland and water pollution (#159.3), Environmental impact of new technology trends (#133.1); Environment and digitalisation (#171.2); Greening the Internet and digital tech: Greening the Internet (#188.2); Sustainable and Climate-friendly Next Generation Internet (#198.3); Greening Internet Governance (#224.2), Internet sustainability: extending the lifetime of software and devices, reducing the energy use of the internet, improving the circular economy around digital devices (#168.3), energy efficiency of different forms of wireless charging (#193.2), E Waste and Natural Energy alliances (#172.3) Environment protection (general): (#24.2), (#92.3), (#81.2), (#126.2), (#128), (#189.1)
7	Protecting human rights in the digital space (18)	Digital rights (general) (6) Human-rights-based approaches to technology design and policy (5) Roles and responsibilities of the private sector (4) Legal frameworks for digital rights (national and international) (2) Capacity development for digital rights advocates (1)	Digital rights (general): digitisation & human rights (#89.3); Challenges and Opportunities for Human Rights Online (#196.1); human rights (#214.1); digital rights (#214.3); Translating Human Rights from the Analogue to the Digital Space (#207.2); Covid19, Digital Rights and Impacts on Communities (#221.2) Human-rights-based approaches to technology design and policy: Human centered design (#143.4); human rights-centered design (#173.1); loneliness digital world – humanization of technology involves a wide range of new challenges connected with digital ethics in the Internet space (#194); Human rights-based approaches to Internet architecture, policy, and governance post-pandemic (#224.1); Promoting human rights and rule of law in the public content sphere (#163.2) Roles and responsibilities of the private sector: Business and human rights for tech sector (#66.1); Tech sector responsibility with regard to HR (#108.1); Inclusive online platforms regulation in a human rights framework (#92.1); Transparency (corporate & governmental) (#108.2) Legal frameworks for digital rights (national and international): Legal Framework prioritizing digital rights (#76.1); Human Rights, treaties, International Charters (#126.1) Capacity development for digital rights advocates (#107.2)
8	Inclusion of disadvantaged/vulnerable communities (17)	Digital inclusion of disadvantaged communities (persons with disabilities, senior citizens, other vulnerable and marginalised groups) (10) Access and digital development in rural areas (7)	Digital inclusion of disadvantaged communities: poor communities, persons with disabilities and with special needs, senior citizens, other vulnerable and marginalised groups (#6.2, #21.3, #30.1, #59.3, #67.2, #93.2, #101.3, #107.2, #170.3, #223.1) Access and digital development in rural areas: Connecting disadvantaged communities – rural areas (#11.1); Access in rural areas (#106.1); Rural connectivity (#114.3, #130.1); Capacity development in rural areas (#130.2); Digital Village Construction (#187.3); rural development (#206.1)
9	Internet safety (17)	Child safety (8) Internet safety (general) (5) Online gender-based violence (4)	Child safety: Data security for children (#35.1), Social Media Concepts under 13 (#35.3); children misusage of adult websites (#97.3); Child Sexual Exploitation Online (#149.2); Child protection (#197.2); online safety for children (#201.1, #208.2); Issues of cyber bullying (#124.3) Internet safety (general): Internet safety – the role of ethics (#11.3); Capacity development in Internet safety (for new Internet users) (#21.1); Internet safety (#72.2); Safety online (in the context of mass media) (#160.1); online security and protection (#217.2) Online gender-based violence: (#12.1, #49.1, #167.1, #172.1)
10	IGF and NRIs (16)	Strengthening the IGF (12) Strengthening and expanding NRIs (4)	Strengthening the IGF: Increase IGF funding (#23.3); Using citizens deliberations to increase participation in IGF processes (#173.3); Collaboration tools and mechanisms of IGF platform for engagement of all interested parties (#219.3); Inclusivity at the IGF (#18.3); Regional discussions on public policy issues (#175.3); Assessing IGF's impact on governments (#119.3); Crisis/disaster management integrated in the IGF planning process (#129.1); Future work for the IGF: best practices for learners; case studies on civil society engagement (#135); Increase awareness raising about the IGF (#136.3); Inclusion of disciplines not usually covered in IG (#176); The Present and the Future (policy-oriented) Internet Governance Forum (#230.2); plenipotentiary entrenched in the IGF Global Meeting (#40.3) Strengthening and expanding NRIs: expansion of the IGF network in Africa (#54.4); Launching and supporting IGF projects in Africa (#136.1); Capacity development for IGF initiatives (#136.2); Local Internet governance (?) (#114.2)
11	Online education (16)	Online education and the digitalisation of educational processes/institutions – challenges and opportunities (8) Access to online education (6) Online education and children's rights (2)	Online education and the digitalisation of educational processes/institutions – challenges and opportunities: Online education improvement (#31.2), Digital transformation of environmental education organizations (#36.1), education and ICT (#64.1); Online teaching and learning models (#80.2); education, science, information (#83.1); Online Education Challenges and Opportunities (#89.1); E-learning challenges: Accessibility, affordability, flexibility, learning pedagogy, life-long learning, and policy (#137.1); Tech and Education (#172.2); Access to online education: Access to online/digital education – equal rights and possibilities (#35.2); Online education – affordability and inclusiveness (#89.2); Education equity during and after COVID (#159.2); education and access (#188.3); Educational justice and digitalisation (#213.1); International online university for all (#177.2); Online education & children's rights: Realising children's right to education in home schooling / through digital learning (#148.2); Resolving the dilemma between the right to education and the right to privacy of children (#213.3)
12	Online trust and content policy (16)	Tackling misinformation & disinformation (15) Addressing violent content online (1)	Tackling misinformation & disinformation: fake news (#6.5, #65.3, #91.3, #199.2), Countering disinformation and misinformation (#22.1, #53.3, #120.1), Countering disinformation regarding food insecurity (#22.2), Weaponisation of news (#50.1), Fake news vs scientific knowledge during COVID, elections (#61.2); Managing infodemic (#116); Conspiracy Theories (#149.3); Misinformation and impact on youth (#167.2); media literacy as a way to fight fake news (#225.3, #160.3) Addressing violent content online: Addressing violent content while maintaining free and open Internet and FoE (#38.2)
13	Universal access (15)	Internet access for all (12) Affordability of access (3)	Internet access for all: universal access (#9.3); Internet for all (#105.3); Internet access (#191.1); Access (to connectivity, information, remedy) (#108.3); reach the unreached (#30.2); Connectivity in Global South (#49.2); Internet growth in Africa (#104.1); bridging the digital divide (#91.1, #115.3, #184.2); Connectivity, inclusion, COVID-19 response and recovery (#205.2); The impact of uneven on Internet use and development (#155.2) Affordability of access: Reducing connectivity prices (#11.2); Affordability of access (#48.2); Affordable access to content for people within low income communities (#160.2)
14	Capacity development (14)	Developing digital skills (10) Digital literacy (4)	Developing digital skills: digital skills (#72.1, #186, #210.3, #216.3); Life-long learning of digital skills (#77.2); Digital culture & skills (#112.3); Development of digital skills and competences (#153.1); investment in human capital (#153.2); Community development (#67.3); Internet intelligence (#21.2) Digital literacy: awareness raising on Internet use (#47.3); digital literacy amid pandemics (#77.1); Digital literacy (#120.2); digital citizenship (#191.2)

15	Artificial intelligence (AI) (13)	AI governance, human rights and ethics (6) AI (general) (3) AI readiness/adoption (2) AI applications for good (2)	AI governance, human rights and ethics: AI governance (#68.2), a legal framework to address the human rights impacts of AI (#228.3); Ethics: AI ethics (#39.2); Balancing use of AI in public interest with protection of human rights (#134.2); Ethics with regards to AI and Big Data (#207.3), AI - relevance for media and journalism and ethics (including AI and unconscious bias) (#163.1) AI (general): AI (#24.3), AI (#33.3), AI (#101.1) AI readiness/adoption: Public-private partnerships for AI adoption (#53.2); Addressing public perception around AI and how tech companies should appropriately market AI-based technology (#133.2) AI for good: solutions to counter terrorism, human trafficking (#134.1); practical application of reinforcement learning algorithms in the industry (#193.3)
16	Data governance (13)	Data governance (5) Cross-border data flows – governance approaches (4) Governance frameworks for data sharing (3) Data portability (1)	Data governance: data governance (#39.1), (#68.1), (#189.2), Data governance as a service (#50.3), Global data governance and security rules (#187.1) Cross-border data flows – governance approaches: Data sovereignty efforts & impact on global Internet (#96.2); Cross-border data transfers (#122.1); Enabling trusted cross-border data flows (#166.2); Benefits of and barriers to cross-border data flows; interoperability of data policy frameworks to enable cross-border data flows (#145.4) Governance frameworks for data sharing: Data-sharing frameworks that enable responsible sharing of data (#145.3); New data governance models/frameworks (such as data trusts and data commons) to decentralise power in the digital economy (#168.1); Data governance and Common Data Spaces (#63.1); Data portability – benefits and challenges (#145.5)
17	Digital (inter)dependence (12)	Implications of digital sovereignty approaches (5) Internet fragmentation – causes and consequences (5) China-USA tech relations (2)	Implications of digital sovereignty approaches: Digital sovereignty and strategic autonomy (#63.2); National sovereignty and internet governance (#87.3); Digital Sovereignty or transnational governance? (#99.3); The interplay between digital sovereignty and a global Internet (#156.2); Nationalisation of the Internet (#53.1) Internet fragmentation – causes and consequences: Internet Fragmentation by government regulation and national sovereignty (#34.2); the impact of technical, legislative and policy developments (#140); The pros and cons of Internet Balkanisation. (#141.3); Splinternet/regional Internet (#152.1); Centralisation of Internet infrastructure (#19.1) China-USA tech relations: Sino-US dialogues (#29.3); Technology decoupling (#99.2) Inclusive and open IG/policy processes: Community involvement/participation (#48.3); Inclusive participation in IG (#125); inclusive IG (#196.6); open access to governance processes (#58.1); Stakeholder engagement (Tech community (#26.1); InternetWorking Technical/Community (#73.3); Civil society (#26.2)) IG capacity development: Multistakeholder awareness campaigns (#23.1), Integrating IG into university curricula (#23.2), schools on digital governance (#64.2) Addressing issues of interest for developing countries: Addressing IG issues that affect less developed countries (#40.2), IG in Africa (#105.1)
18	Inclusion within IG and policy spaces/processes (12)	Inclusive and open IG/policy processes (7) IG capacity development (3) Addressing issues of interest for developing countries (2)	Multilingualism and local content (access and development): Internet for the Linguistic Localization (#30.4); Local content creation, plurilingualism, access for minorities and less spoken languages (#52.3); Opportunities and limitations of global internet platforms - language diversity issues (#219.2); Universal acceptance (#20.1, #219.1) (Equitable) access to (open) content and resources: Open source (#16.3); Open data & governance (#95.2); Equitable access to digital content (#204.2), Multistakeholder platforms (open-source based) (#230.1); Academic research on the Internet (#119.2) Protection of children's rights (#57.3) & (#149.1) & (#197.1) & (#199.1) & (#201.2) & (#206.3) & (#208.1) & (#213.2) National and international instruments for protecting children's rights: international instruments (#148.1); National child protection legislation (#148.3) Cybersecurity (general): Cybersecurity (#5.2, #185.4), Digital security (#29.1); Security (#83.2); Cybersecurity in the time of COVID-19 (#203.1) Cybersecurity strategies, policies, frameworks: Cyber Security strategies and policies for Developing countries (#111.3), Promoting multistakeholder approaches to comprehensive cybersecurity frameworks (#166.3) Cybersecurity awareness (#111.2, #211) Cybersecurity standards and best practices: Deployment of Internet standards and best practices for security & safety (#141.2) Gender equality: Gender equality (in media) (#117); Participation of women in the communication/audiovisual space (#70); Gender equality (#129.2, #171.3); gender equity (#175.1, #203.2) Addressing the gender gap in access and skills: Addressing the gender gap in Internet access (#49.3); gender issues (#57.1); Gender awareness (#106.2); Gender gap in digital literacy (#77.3)
19	Access to and development of online content/resources (10)	Multilingualism and local content (access and development) (5) (Equitable) access to (open) content and resources (5)	Cooperation in governing the digital future: Governance for Peace in the Digital Age (#207.1); new multistakeholder frameworks/plans of action conceived to protect a free, safe and empowering web for everyone (#173.2); Strengthening relations between stakeholders (#45); Partnerships and Cooperation in the Post-2020 World (#100.3); Values and Contours of the New Digital World (#100.2) Global digital cooperation: global governance mechanisms (#151.1); Global digital cooperation (#171.1) & (#182.3); digital cooperation (#216.1) Internet, IG and climate action: Impact of IG on climate change (#18.1); Climate change and Internet Governance (#203.3); Internet, IG and climate change: leveraging new tech to create a global climate accounting system (#215); Global warming and the role of the Internet (#8.3); Tech for climate action (#32.3), Climate and equity (#8.2) Digital tech for weather forecast: AI, big data & climate/weather forecast (#32.2), Weather forecast and pandemic (#36.3)
20	Children's rights (10)	Protection of children's rights (8) National and international instruments for protecting children's rights (2)	Cooperation in governing the digital future: Governance for Peace in the Digital Age (#207.1); new multistakeholder frameworks/plans of action conceived to protect a free, safe and empowering web for everyone (#173.2); Strengthening relations between stakeholders (#45); Partnerships and Cooperation in the Post-2020 World (#100.3); Values and Contours of the New Digital World (#100.2) Global digital cooperation: global governance mechanisms (#151.1); Global digital cooperation (#171.1) & (#182.3); digital cooperation (#216.1) Internet, IG and climate action: Impact of IG on climate change (#18.1); Climate change and Internet Governance (#203.3); Internet, IG and climate change: leveraging new tech to create a global climate accounting system (#215); Global warming and the role of the Internet (#8.3); Tech for climate action (#32.3), Climate and equity (#8.2) Digital tech for weather forecast: AI, big data & climate/weather forecast (#32.2), Weather forecast and pandemic (#36.3)
21	Cybersecurity – other issues (10)	Cybersecurity (general) (5) Cybersecurity strategies, policies, frameworks (2) Cybersecurity awareness (2) Cybersecurity standards and best practices (1)	Cooperation in governing the digital future: Governance for Peace in the Digital Age (#207.1); new multistakeholder frameworks/plans of action conceived to protect a free, safe and empowering web for everyone (#173.2); Strengthening relations between stakeholders (#45); Partnerships and Cooperation in the Post-2020 World (#100.3); Values and Contours of the New Digital World (#100.2) Global digital cooperation: global governance mechanisms (#151.1); Global digital cooperation (#171.1) & (#182.3); digital cooperation (#216.1) Internet, IG and climate action: Impact of IG on climate change (#18.1); Climate change and Internet Governance (#203.3); Internet, IG and climate change: leveraging new tech to create a global climate accounting system (#215); Global warming and the role of the Internet (#8.3); Tech for climate action (#32.3), Climate and equity (#8.2) Digital tech for weather forecast: AI, big data & climate/weather forecast (#32.2), Weather forecast and pandemic (#36.3)
22	Gender inclusion (10)	Gender equality (6) Addressing the gender gap in access and skills (4)	Cooperation in governing the digital future: Governance for Peace in the Digital Age (#207.1); new multistakeholder frameworks/plans of action conceived to protect a free, safe and empowering web for everyone (#173.2); Strengthening relations between stakeholders (#45); Partnerships and Cooperation in the Post-2020 World (#100.3); Values and Contours of the New Digital World (#100.2) Global digital cooperation: global governance mechanisms (#151.1); Global digital cooperation (#171.1) & (#182.3); digital cooperation (#216.1) Internet, IG and climate action: Impact of IG on climate change (#18.1); Climate change and Internet Governance (#203.3); Internet, IG and climate change: leveraging new tech to create a global climate accounting system (#215); Global warming and the role of the Internet (#8.3); Tech for climate action (#32.3), Climate and equity (#8.2) Digital tech for weather forecast: AI, big data & climate/weather forecast (#32.2), Weather forecast and pandemic (#36.3)
23	Digital cooperation (9)	Cooperation in governing the digital future (5) Global digital cooperation (4)	Cooperation in governing the digital future: Governance for Peace in the Digital Age (#207.1); new multistakeholder frameworks/plans of action conceived to protect a free, safe and empowering web for everyone (#173.2); Strengthening relations between stakeholders (#45); Partnerships and Cooperation in the Post-2020 World (#100.3); Values and Contours of the New Digital World (#100.2) Global digital cooperation: global governance mechanisms (#151.1); Global digital cooperation (#171.1) & (#182.3); digital cooperation (#216.1) Internet, IG and climate action: Impact of IG on climate change (#18.1); Climate change and Internet Governance (#203.3); Internet, IG and climate change: leveraging new tech to create a global climate accounting system (#215); Global warming and the role of the Internet (#8.3); Tech for climate action (#32.3), Climate and equity (#8.2) Digital tech for weather forecast: AI, big data & climate/weather forecast (#32.2), Weather forecast and pandemic (#36.3)
24	Internet, digital tech and climate (8)	Internet, IG and climate action (6) Digital tech for weather forecast (2)	Cooperation in governing the digital future: Governance for Peace in the Digital Age (#207.1); new multistakeholder frameworks/plans of action conceived to protect a free, safe and empowering web for everyone (#173.2); Strengthening relations between stakeholders (#45); Partnerships and Cooperation in the Post-2020 World (#100.3); Values and Contours of the New Digital World (#100.2) Global digital cooperation: global governance mechanisms (#151.1); Global digital cooperation (#171.1) & (#182.3); digital cooperation (#216.1) Internet, IG and climate action: Impact of IG on climate change (#18.1); Climate change and Internet Governance (#203.3); Internet, IG and climate change: leveraging new tech to create a global climate accounting system (#215); Global warming and the role of the Internet (#8.3); Tech for climate action (#32.3), Climate and equity (#8.2) Digital tech for weather forecast: AI, big data & climate/weather forecast (#32.2), Weather forecast and pandemic (#36.3)
25	Internet of things (IoT) (8)	IoT applications for good (3) IoT and innovation (3) Technologies for connected and self-driving cars (2)	IoT applications for good: Drone for social, economical and cultural development (#109.1); IoT role in relieving food crisis (#159.1); Food systems reliance (#95.1) IoT and innovation: IoT (#33.1), (#54.3), IoT Innovation enhancement (#73.3) Technologies for connected and self-driving cars: self-driving car technology (#192.1); Cybersecurity into vehicle to vehicle communication (#13)

26	Future of work (8)	Jobs in the digital age (3) Social protection for workers (3) Frameworks for online work (2)	Jobs in the digital age: Capacity building on how to create jobs or wealth through digital jobs (#59.1); Jobs (#72.3); Reskilling and upskilling for all (#153.3) Social protection for workers: universal basic income (#127); Platform economy: Inequality and Unemployment (#151.3) Frameworks for online work: Implementing effective models of telework (#80.4); work from home - virtual organisational culture (#89.4)
27	Consumer protection (7)		Consumer protection in online sales (#164.1); AI for consumer protection (#164.2); Protection of consumers against the excessive acquisition and use of their data (#164.3); Online publishing of fake positive customer reviews of products (#164.4); The knowledge disproportion between a consumer and the internet based business (especially internet platform) (#229.2); Responsibility for content/services based on the cooperation of larger number of business entities (#229.3); Freedom of choice: dark patterns in designing web interfaces (#229.1)
28	Digital rights and equality (7)	Digital tech and racial justice (3) Gender rights online (2) Equal digital rights for all (2)	Digital tech and racial justice: IG & racial justice (#18.2); Racial profiling under COVID-19 (#50.3); Bias in technology and the need for Equality Tech – technology which in itself advances equality (#167.5) Gender rights online: Protecting women's rights on the Internet (#110.1); Censorship and platform accountability related to gender issues (#202.1) Equal digital rights for all: Digital tech impact on social division (#61.3); Equal rights as it affects Women, Disabled, Children, poverty and the Global South (#189.3)
29	Digital authoritarianism and digital surveillance (6)	Digital authoritarianism and digital surveillance by governments (4) Digital surveillance by tech companies (2)	Digital authoritarianism and digital surveillance by governments: Combating the deployment of oppressive surveillance mechanisms (#170.2); misuse of digital tech for repressive and authoritarian purposes (#226.2); Democracy, Content Moderation and Surveillance (#39.3); Successful multi-stakeholder efforts that counter the rise of digital authoritarianism (#170.1) Digital surveillance by tech companies: surveillance (#196.4); surveillance economy (#214.2); Digital Economy Opportunities and Digital Business Environment (#187.2); Digital Economy fostering the National, regional and global growth (#210.2); New challenges before providers of digital services (#66.2); European Digital Single Market (#227.3); Innovation in digital economy: Internet for innovation (#178.1); Homepreneurship and the future of online businesses (#31.3)
30	Digital economy, innovation and growth (6)		
31	Digital inclusion (general) (6)		Inclusion beyond accessibility (#10.1); Access and Inclusion (#121.1); digital inclusion (#226.1); digital inclusion for all (#158.3); equality and digital inclusion for all (#217.3); accessibility paradox - between exclusion and data overload (#222)
32	Encryption (6)		Encryption (general) (#6.3); (#16.1); Encryption and inclusion (#8.1); Cryptography integrity (#17.1); End-to-end encryption – costs and benefits (#19.3); The politics and economics of encryption (#87.1)
33	Meaningful Internet access (6)	Quality Internet access (4) Stable and reliable Internet access (2)	Quality Internet access: Quality (meaningful) Internet access – the role of AI (#2.2); accessibility & QoS (#217.1); Problems with speed, especially mobile data transfer (#229.5); Definition of internet use (#211) Stable and reliable Internet access: Equitable, affordable and reliable internet connectivity (#182.1); Stable and affordable internet for all (#124.1)
34	Challenges to current IG approaches (5)	Centralisation vs decentralisation of governance (2) The future of multistakeholderism (2) Rebalancing the power dynamic between stakeholders (1)	Centralisation vs decentralisation of governance: Maintaining geopolitical stability: opportunities & challenges of decentralisation (network & communication protocols, currencies) (#165.2); Decentralization of Governance (#227.2) The future of multistakeholderism (#96.3); IGF and the Future of Internet Multistakeholderism (#202.3) Rebalancing the power dynamic between stakeholders (nation states, internet communities and technology companies) (#165.1)
35	Digital public goods (5)		Digital public goods (#143.2), (#158.1); Digital public goods - benefits and challenges (#161.1); Digital knowledge commons (#169) & (#174)
36	Implications of emerging technologies (5)	Disruptive technologies (3) Emerging technologies (general) (2)	Disruptive technologies: Disruption caused by emerging technologies (#30.3); disruptive tech (#88.2); Disruptive Technology (#121.2) Emerging technologies (general): (#29.2), (#44.3);
37	Internet and digital tech in the context of COVID-19 crisis and post-COVID recovery (5)		The role of the Internet in post-COVID recovery (#22.3); Internet role in new digital ecosystem conditioned by COVID-19 (#157.1); Economic recovery post pandemic (#157.2); Internet changes driven by COVID-19 crisis (#9.1); AI role in pandemic (#31.1.)
38	Network/infrastructure security (5)	Network security – addressing vulnerability and threats (4) Security of critical national infrastructures (1)	Network security – addressing vulnerability and threats: MANRS (#17.3); zero-day supply chain vulnerabilities (#44.1); advanced persistent threat groups (#44.2), network security and stability (#58.2) Security of critical national infrastructures (#111.1)
39	Responsible state behaviour in cyberspace (5)	Malicious nation-state cyber actions (3) Cybernorms (1) Confidence building measures (1)	Malicious nation-state cyber actions: Limiting malicious state actions on the Internet (#15.1), Attribution of cyber actions (15.2), Cyberoperations (#60.2); Cybernorms: International rules and responsible state behaviour; accountability for nation-state cyberattacks; measures to deal with private sector companies that aid and abet nation state attackers (#145.2) Confidence-building measure (#34.1)
40	Standardisation (5)	Existing and emerging Internet/IT standards (2) The interplay between standardisation and policy goals (2) Multistakeholderism and Internet standards development (1)	Existing and emerging Internet/IT standards: Emerging IT standards (#52.1); Internet standards (#152.2) The interplay between standardisation and policy goals: The relationship between technical developments/standardisation and policy goals (#156.3); Geopoliticisation of standard setting/emergence of the splinternet (#168.2) Multistakeholderism and Internet standards development (#19.2): Providing multi-stakeholder input and oversight to Internet standards development
41	Critical Internet resources (CIR) (4)	Top-level domains (2) Responsible CIR management (1) Governance of the DNS root (1)	Top-level domains: TLDs - comparison between ccTLDs, gTLDs and legacy gTLDs (#139.2); Sharing of experiences in marketing domains (#175.2) Responsible CIR management (#58.3) Governance of the DNS root (#139.3)
42	Cybercrime (4)	Cybercrime acts (3) Frameworks for international and public/private cooperation (1)	Cybercrime acts: cybercrime (#97.1); spam (#196.2); Hacker attacks (#6.4); Fearware (#60.1)
43	Data availability and use (4)		Frameworks for international and public/private cooperation (#209) Responsible use of data (#138); Reducing data costs (#47.2); sustainable data (#88.3); Data (#101.2)
44	Digital health (4)		Health (#67.1); Implementing effective models of telemedicine (#80.3); Connected Healthcare Challenges & Opportunities (#223.3) Health data – international data sharing, data protection (#2.1)
45	Internet restrictions (4)	Internet shutdowns (2) Censorship (2)	Internet shutdowns: Resilience to Internet shutdowns (#76.3); Internet shutdowns, censorship, privacy (#90) Censorship: Preventing censorship and ensuring net neutrality (#84.1); Internet censorship (#115.2)

