Index

abortion rights, 77, 85
accountability
  algorithms and, 191
  Bitcoin and, 299
  criminal framework, 113–22
  for human rights violations, 7, 9–13
  introduction to, 3
  legal accountability, 44–45
acclimatization process, 12
Adaptation Fund, 62–63
adaptive capacity and resilience, 62, 66
affect-laden conception of humanity, 181
Afghanistan, 94
Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS), 54–55
agriculture, industrial, 69
Al Qaeda, 102, 110
algorithms
  computer vision algorithms, 180
  in data collection, 171–72
  social media, 202–5
  transparency/accountability problems with, 191
American Association for the Advancement of Science, 76, 174
American Civil Liberties Union (ACLU), 280–81
American Convention on Human Rights, 219, 225
Amnesty International
  data visualization reports, 163, 177
  education in digital literacy, 209
  human rights technology, 291
  interactive data websites, 185
  Twitter communication issues, 203
user-generated video use by, 194
  violations by Boko Haram and Nigerian forces, 143–45, 172
anonymity, 157, 196, 216, 225, 293, 304
Anti-Privatization Forum (APF), 26
apartheid, 28
Arab Charter on Human Rights, 219
Arduino project, 302
Arendt, Hannah, 120, 122
armed conflict, 93–96
ART case. See assisted reproductive technologies
artificial intelligence (AI), 1, 161, 296–99
Asia Pacific Economic Cooperation Privacy Framework, 233
assisted reproductive technologies (ART)
  assisted insemination, 72
  introduction to, 72–74
  law/law-making in, 86–90
  margin of appreciation and, 83–86
  overview of, 78–83
  summary of, 90–92
Austria, ban on IVF donors, 79, 84
autonomous weapons
  capability, 93
  criminal accountability, 115–17
  defined, 117
  international humanitarian law, 113–15
  introduction to, 1, 14
  legal implications of deploying, 93
  overview, 98–103, 123
  principles of humanity and, 94
  private contractors and, 122–23
  separation of powers framework, 101–2
  war and, 22
Bali Conference of the Parties (COP), 58
Ball, Patrick, 153, 170–71
bar charts, 181
Index

Bellingcat investigative team. See Russian intervention in Ukraine
Belmont Report, 36–38, 41–43
beneficence, 41–42
beneficiaries of action, 68–69
Benetech, 209
bias in big data reporting, 154
bias in data collection, 171
big data
analytics and, 151, 153, 157
applications for human rights, 159–61
collection of, 151–52
ethics considerations, 173
human rights violations, 157–59
introduction to, 7, 125, 127, 149–51
permissible limitations on privacy, 155–56
privacy tradeoffs, 153–57
use of, 151, 153
bioethics and human rights, 2–3, 71–78, 86–90
biosurveillance, 158
Bitcoin, 299
Blockchain, 299–302
Boko Haram, 141–42
The Book of Trees: Visualizing Branches of Knowledge (Lima), 164
Bretton Woods Institutions, 50, 54
Buk missile launcher, 139–41
Bureau of Democracy, Human Rights and Labor (U.S. Department of State), 291
Bureau of Investigative Journalism, 98
bureaucratization of human rights, 13
call detail records, 155
Cambodia’s Family Trees, 179
Cameras Everywhere, 130
CameraV app, 172
Cannataci, Joseph, 223. See also UN Special Rapporteur on Privacy
carbon emissions, 46
Carnegie Mellon University, 180
Center for Human Rights Science, 298
Carter Center. See Syria Conflict Mapping Project
cell phone data tracking, 270
Center for Applied Legal Studies at the University of Witwatersrand (CALS), 31
Center for Economic and Social Rights (CESR), 176
Center for Economic and Social Rights (CESR), 201
Center for Strategic and International Studies (CSIS), 201
Charter of Fundamental Rights of the European Union, 219, 233
child soldiers, 142
China, 183, 262
chlorofluorocarbon (CFC) emissions, 56
cholera deaths, mapping of, 165
citizen videos, 9
civic engagement online, 244
civil responsibility in tort, 116
civil rights, 25, 206
civil society organizations, 223
Civilian Joint Task Force (JTF) (Nigeria), 142–45
civilian witnesses, 193
classification of data, 152
clickbait content on social media, 204
climate change
beneficiaries of action, 68–69
development approach, 60–69
impact on human rights, 63–69
introduction to, 1, 8, 21, 46–48
modernization and development, 48–55
summary of, 70
UNFCCC framework, 55–60
climate change law, 56
Clinton, Bill, U.S. President, 102–6
cluster munitions, 135
Code of Conduct for social media, 16–17
code-sharing websites, 186
Cold War, 40
colonialism, 49–50, 53, 56
Comitato Nazionale per la Bioetica (Italy’s National Bioethics Committee), 75
command responsibility, 118
Committee on Economic, Social and Cultural Rights (CESCR), 66–67
common but differentiated responsibilities (CBDR)
effectiveness of, 57, 60
overview of, 60–63
solving problems with, 64–69
communication risks, 192–94, 198–200
communication technology. See also digital communications
advocacy communication risks, 198–200
anonymity rights in communication, 225
bulk collection of communications data, 217
fact-finding and advocacy, 190–92
fact-finding risks, 192–94
introduction to, 5
privacy rights in, 221
surveillance communication rights, 219–20
transparency and, 10
Communications Decency Act, 250, 260
community values, 2–3
computer vision algorithms, 180
constitutional precepts, 2–3
contact-chaining, 221
contextual integrity frame for privacy, 151
conventional weapons, 94
© in this web service Cambridge University Press www.cambridge.org
corporate social responsibility (CSR), 249, 254
corporate surveillance, 158–59
cost-benefit calculations, 47–48
Costa and Pavan v. Italy, 73, 80–81, 89–90
Council of Europe’s Committee on Bioethics, 75, 84
Council of Europe’s Data Protection Convention, 233
Court of Justice of the European Union (CJEU), 225, 234–35, 239–40
crisis reporting, 154
cryopreserved embryos, 84–85
cultural rights, 71
currency exchange technology, 299–302
cyberlaw, 2, 5–6
cystic fibrosis, 80–81
Daichi Nuclear Power Plant in Fukushima, Japan, 302–3
data analysis, 167
data-driven policing, 171–72
data journalism, 186
data protection laws, 216, 233–35
data sharing, 153, 176
data visualization
access and inclusion, 182–83
brief history of, 163–67
bulk collection, 217
challenges to, 171–73
defined, 162
distortion techniques in, 175–76
encoding techniques, 180–81
interactive, 182
introduction to, 7, 125–27, 162–63
mapping of, 183–84
meanings from technical decisions, 180–82
mobilization and outreach, 184–85
qualitative data, 177–80
quantitative data, 173–77, 182
summary of, 187
technical sustainability, 185–86
datafication of human rights, 163, 167–71
Deep Mind, 297
Deepwater Horizon oil spill, 303
deforestation, 67–68
demand-management technology, 25, 28–31, 35
Democratic Republic of Congo (DRC), 178
Detroit Geographic Expedition, 183
Deutscher Ethikrat, 75
developing countries, 49–51, 55–60
development approach to climate change technology, 48–55
Dickson v. United Kingdom, 73, 84
digital communications. See also communication technology
legality, necessity, and proportionality, 225–30
privacy rights and human rights law, 224–33
to publics, 200
surveillance rights, 219–20, 230–31
Digital Millennium Copyright Act (DMCA), 260
digital security, 196
digitization, 10, 19
dignity rights, 26–27, 34, 81–82
disclosure, defined, 152
discretion of demandeur developing countries, 48
discrimination in targeting of minority groups, 11
disease surveillance, 158
DIY Geiger counters, 302–3
dNA technology in forensics, 295
doctors’ Trial at Nuremberg, 75
documentation technologies, 9
donor gamete ban, 79, 84
Draft Code of Conduct of International Transfer of Technology, 53–54
drone technology
autonomous functioning of, 99
international humanitarian law, 113–15
introduction to, 114–123
against ISIS, 110–11
in Kosovo, 103–4
in Libya, 107–8
overview of, 96–98
principles of humanity and, 94–95
separation of powers framework, 101–2
Dropbox, 294
drought events, 59, 68
Drupal, 294
dual use technologies, 38
due process, 117
e-governance, 301
E/ZPass, 271
Ebola crisis, 154
econometrics, 167
economic rights, 33, 252
economies in transition, 51
emerging economies, 51
encoding techniques, 180–81
encryption technology, 279, 287, 289
energy management software, 69
Engine Room, 209
environmental law, 56
epidemiology data and human rights, 167
equality principle, 3
Ethereum, 301
ethical developments of human fertilization, 89
Index

Russian intervention in Ukraine, 138
unlawful content processes, 269
user-generated content on conflicts, 134
fact-finding and advocacy. See also human rights advocacy
communication and mediation, 190–92
communication risks, 192–94, 198–200
discursive approach, 231–32
educational approach, 208–9
inequality in, 205–8
introduction to, 12, 188–90
misinterpretation risk with, 194, 196–98
reflexive approach, 210–11
risk assemblages, pluralism and inequality, 205–8
silencing risk double-bind, 208–13
summary of, 212–14
surveillance risk, 194–96
technical approach, 209–10
fairness claims, 52, 55–60
falsified media, 133
First Amendment (U.S.) protection of speech, 250, 268
flooding events, 59
forced marriages, 142
Ford Foundation, 290
Forensic Architecture, 179
Fourth Amendment (U.S.) protection, 276–77, 285
Free Syrian Army (FSA), 237
freedom of expression, 19, 261–66, 268
Freedom of Information, 176
Front Line Defenders and Tactical Technology Collective, 209
G77 membership, 51
G Suite (Google), 294
gamete donation for IVF, 85
gatekeepers, 14, 251
General Agreement on Trade and Tariffs (GATT), 54
geolocation, 138–39
GitHub, 186
Global Network Initiative (GNI)
Accountability, Policy and Learning Framework, 262
freedom of expression rights, 261–64
Implementation Guidelines for Freedom of Expression, 264
international human rights standards, 246
internet companies and, 258
overview of, 249, 261
soft law frameworks, 267
Global Positioning System (GPS), 177, 271

ethical safeguards, 43
ethics and law of war, 21–22
EU Charter of Fundamental Rights, 225, 234
EU General Data Protection Regulation, 160, 233, 239–42, 259
EU Regulation on Privacy and Electronic Communications, 235
EU-US Umbrella Agreement, 239
European Commission, 16, 75
European Convention for the Protection of Human Rights and Fundamental Freedoms (European Convention), 72, 219, 224
European Convention on Human Rights and Biomedicine, 71
European Court of Human Rights (ECtHR)
arbitrary intelligence, 298
assisted reproductive technologies cases, 78–83,
90, 92
case law of, 256–57
communication privacy, 221, 226–27
digital communication privacy, 222, 235
extraterritorial right to privacy, 236–37, 242
margin of appreciation, 83–86
online domain rights, 253
overview of, 72–73
surveillance rights, 220, 222
European Union, 268
Evans v. United Kingdom, 73, 79, 82, 84
Event Labeling through Analytic Media Processing (E-LAMP) project, 180, 298–99
executive branch (president), U.S. government allocation of power, 95
ISIS, 110–12
Kosovo military action, 102–6
Libya, 106–10
separation of powers framework, 101–2
expert systems (ES), 297
extrajudicial killings, 143
Extraordinary African Chamber, 148
extraterritorial right to privacy, 230–42
extreme weather risks, 59
Facebook
advertising and privacy rights, 265–66
Code of Conduct with, 16–17
communication issues, 201
data collection, 132
First Amendment protection on, 250
freedom of expression rights, 243, 261, 264
gatekeepers of, 251
human rights impact of, 245–46
rebel forces against ISIS, 137
restricting access, 273

© in this web service Cambridge University Press
www.cambridge.org
Global Witness, 179
Google
de-indexing search results, 240
European Data Protection Directive, 259
file management, 294
First Amendment (U.S.) protection on, 250
freedom of expression rights, 261–62, 264–65
G Suite, 294
human rights impact of, 246
Jigsaw project, 292
online domain rights, 243
restricting access, 275
unlawful content processes, 269
Google apps, 294
Google Earth, 132, 141
Google Maps, 185
Google Street View, 132
graph theory, 179
graphs/graphics data. See also data visualization
graph theory, 179
importance of, 173–74
mapping tools, 174
for medical treatment, 165–66
network graphics, 178–79
racist violence graphs, 166–67
garossroots activists, video use by, 172
Green Climate Fund, 61
greenhouse gas (GHG) emissions, 56, 60, 67
Group Areas Act (South Africa), 28
Guardian Project, 293
guided munitions, 100

hacking technology, 278–79, 287
Harvard Humanitarian Initiative’s Signal Code, 160
hate speech, 16–17
Higgins, Eliot, 134–35
High Court of South Africa, 31–33
Hindu nationalists in India, 191
Hippocratic principle, 41
HIV/AIDS, 32, 35, 185
homemade barrel bombs, 135
Human Development Index (HDI), 51

human rights. See also online domain and human
rights
beneficence, 41–42
big data applications for, 159–61
bioethics and, 71–78, 86–90
climate change impact on, 65–69
datafication of, 163, 167–71
dignity rights, 26–27, 34, 81–82
financial compensation, 39
freedom of expression, 261–66
informed consent, 39–41
international treaties, 4, 23
justice and, 42–43
as moral claims, 4, 13
practices, 45–5
rights restricting/enhancing technology, 38
safeguards, 36
scrutiny requirements, 36–38
human rights advocacy. See also fact-finding and
advocacy; user-generated video content
communication channels, 207
communication risks, 198–200
democratizing effects for, 126–27
introduction to, 12, 125–26, 128
miscalculations and resources, 202–5
mistakes and reputational integrity, 200–2
Human Rights Center at the University of
California, Berkeley, 290
Human Rights Data Analysis Group (HRDAG),
170–71
human rights law. See also international
humanitarian law
assisted reproductive technologies, 90
bioethics and, 72, 74–78
introduction to, 2–4, 6
new technologies and, 23
private actors and online privacy, 253–61
role of, 17–20
as state-centric in nature, 267
violations of, 11
See also privacy rights
human rights technology. See also technology
rights; user-generated video content
artificial intelligence, 1, 161, 246–99
Blockchain technology, 299–302
defined, 2, 293–95
future of, 290–93
introduction to, 1–2, 289–90
open hardware, sensors, and the Internet of
things, 302–6
summary of, 306–8
technological trends in, 295–96
violations with, 44
human rights violations
accountability for, 7, 9–13
big data collection and, 157–59
effective remedy for violation of, 232–33
introduction to, 21
Nigerian military war crimes, 142–45
with technology, 44
Human Rights Watch (HRW), 163, 177–78,
280–81, 291
Humanitarian Blockchain, 301
Humanity United, 290
hydrological cycle, 61
Index

immigrant detainees, mapping data, 174

in vitro fertilization (IVF)
Austrian ban on donor gametes, 79, 84
gamete donation for, 85
introduction to, 72, 78
legislation governing, 86–87
inalienability principle, 3
inclusion principle, 3
indexing of data, 152
industrial agriculture, 69
industrialization, 52
information and communication technologies
(ICTs). See also user-generated video content
advocacy communication risks, 198–200
communication issues with, 190–92, 201
fact-finding and, 188

gatekeepers, 14
human rights technology, 204
introduction to, 8
non-state actors, 16
summary of, 212
surveillance risk, 194–96
threat to privacy, 150
transnational nature of online platforms, 268
transparency and, 10
informed consent rights, 38–41
integrated development environment (IDE), 302
intellectual property rights, 8
Inter-American Commission on Human Rights,
225
Inter-American Court of Human Rights, 225
interactive data visualization, 182
interactive data websites, 185
Intergovernmental Panel on Climate Change
(IPCC), 66–67
International Bill of Human Rights, 256
International Committee for the Red Cross
(ICRC), 98
International Court of Justice (ICJ), 224, 236
International Covenant on Civil and Political
Rights (ICCPR), 65, 218, 226, 272–74,
285–88
International Covenant on Economic, Social
and Cultural Rights (ICESCR), 26, 65, 174,
286–87
International Criminal Court (ICC), 143, 206
International Energy Agency, 61
international humanitarian law (IHL)
criminal accountability framework, 113–15
enforcement strategies from, 4
introduction to, 1, 3–5
new technologies and, 22, 245
overview of, 94
violations, 4

International Military Tribunal (IMT), 118–19
International Monetary Fund (IMF), 54
international treaties, 4, 23
Internet
browsing activity tracking, 270
introduction to, 1, 11, 19
online hate speech, 16–17
surveillance concerns, 15
Internet of things (IoT), 306
Internet service providers (ISPs), 249, 276
Investigatory Powers Act, 241
Iraq, 94, 98
Islamic State in Iraq and Syria (ISIS), 98, 102,
110–12, 137
Israel’s Harpies, 93, 122
Italy, ban on pre-implantation genetic diagnosis,
80–81
Jigsaw project (Google), 292
Johannesburg Water, 26, 28, 30–33, 37,
39–40
justice and technology, 6–9
justice claims in developing countries, 55–60
Knecht v. Romania, 73, 84, 89
knowledge-based systems (KBS), 297
knowledge creation, 5
Korean War, 112
Kosovo military action, 102–6
Kuziminsky camp,
Kyoto Protocol (1997), 47, 58, 62
La Rue, Frank, 248. See also UN Special
Rapporteur on the Promotion and Protection
of the Right to Freedom of Opinion and
Expression
laws of Caliphate, 142
least-developed countries (LDCs), 50, 55
legal implications of human fertilisation,
82
lethal force, 12
Libya, 106–10
Libya, no-fly zone, 107
line charts, 181
LinkedIn, 250
Live Leak, 134
MacArthur Foundation, 290
Malaysia Airlines Flight 17 (MH17), 138
mapping data visualization, 183–84
mapping tools, 174
marginalized communities, 48, 170, 183
Martus project, 293
massacres and video evidence, 132
McNaboe, Chris, 135
medically-assisted procreation, 90
Meier, Patrick, 154
metadata, 172, 197–98, 277
micro-grid applications, 69
Microsoft, 246
middle income countries, 51
misappropriation of personal data, 225
mobile phone technology, 7, 9–10, 154–56
mobilization, 184–85
modalities of regulation, 6
modernization, 48–55
monsoon events, 59
moral claims, as human rights, 4, 13
multilateral environmental treaties (MEAs), 48, 53
multinational corporations (MNCs), 235
National Adaptation Plans (NAPs), 62
national security protection, 226
nationally determined contributions (NDCs), 58–59
natural disaster responses, 154
Nazi Germany, 220
network graphics, 178–79
New International Economic Order, 48, 63
New Tactics in Human Rights, 209
new technologies. See also big data; communication technology; drone technology; human rights technology; information and communication technologies; technology rights
accountability challenges, 9–13
advocacy and, 200, 205
cyberlaw and, 5–6
doctor/patient relationship, 77
fact-finding and, 194, 205
human rights and, 36, 125–28, 159
human rights law and, 18
impact of, 102, 164, 216
introduction to, 1–2, 8–9, 15, 289, 301
normative approaches, 21–24
private authority and, 13
resistance to, 278
of warfare, 104, 112, 209
New York University’s Center for Human Rights and Global Justice, 163
Nigerian military, 142–45
Nightingale, Florence, 165–66
non-discrimination principle, 3
non-governmental organizations (NGOs), 130, 168, 188, 193, 199, 206
non-state actors, 14–16, 20, 215
nonpublic forums, 249–50
North Atlantic Treaty Organization (NATO), 103
Northrop Grumman contractors, 100
Nuffield Council on Bioethics (U.K.), 75
Nuremberg trials of Nazi war criminals, 114, 117, 119–21
Nuremberg Code, 36
Oak Foundation, 290
Obama, Barack, U.S. President, 107–9, 111–12, 287–88
Office of the Prosecutor at the International Criminal Court, 143
online domain and human rights challenges to, 266–69
gatekeepers, 251
human rights within, 261–66
introduction to, 243–47
private actors and human rights law, 253–61
role of internet companies in, 247–53
types of forums, 249–50
user expressions, 251–53
Ontario’s Human Rights Commission, 157
open data sharing, 176
open hardware, 502–6
Open Net Initiative, 253
Open Society Foundations, 290
open source intelligence, 146, 296
Open Technology Fund, 291
OpenEvSys project, 293
OpenStreetMap, 184
Orange Order in Northern Ireland, 181
Orange Revolution in Ukraine, 181
Organization for Security and Co-operation in Europe (OSCE), 49, 50–57, 159, 254
overseas development assistance (ODA), 65

© in this web service Cambridge University Press

www.cambridge.org
prepaid water meter technology (cont.)
South Africa, 28–29, 31
United Kingdom, 32
PRISM Program, 221–22
privacy rights. See also big data and privacy rights
bulk collection privacy, 227–30
data protection laws, 216, 233–35
digital communication, 224–33
effective remedy for violation of, 232–33
extraterritorial right to privacy, 236–42
Facebook users against advertisers, 265–66
introduction to, 10, 22, 217–18
legality, necessity, and proportionality, 225–30
permissible limitations on privacy, 155–56
protection of, 218–21
Snowden, Edward, impact on, 150, 217, 221–24
summary of, 242
unlawful interference with, 272–73
Privacy Shield agreement, 240
private actors and human rights law, 253–61
private contractors
autonomous weaponry and, 100–1, 122–23
criminal accountability, 117–22
drones, 97–98
international humanitarian law, 113–15
against ISIS, 111
overview of, 28
separation of powers framework, 101–2
summary of, 123
use in Kosovo, 104
use in Libya, 108
privatization of war, 22, 95
procreative tourism, 88
proof of existence attribute, 300
Provenance company, 301
public ethics, 75
Public Laboratory for Open Technology, 303
Putin, Vladimir, 139
qualitative data visualization, 177–80
quantitative analysis, 7
quantitative data visualization, 173–77, 182
Qubes OS, 305
Radio Free Asia, 291
Raspberry Pi technology, 304
Reaper drones, 95
reproduction technologies, 1, 5, 14, 19, 91
Responsible Data Forum (2016), 173
retention of data, 152
right to dignity, 26–27, 34
right to enjoy the benefits of scientific progress (REBSP), 26–27, 34–36
right to food, 65–68
right to free expression, 19
right to health, 65–67
right to life, 65–66
right to privacy. See privacy rights
right to water, 65–67
rights-based approach, 64
human rights-based approach, 2–4, 6, 18, 24, 64, 73, 78, 80–81, 90
rights restricting/enhancing technology, 38
Rio Declaration on Environment and Development, 53
Royal Statistical Society, 105
RQ-4 Global Hawk (Northrup Grumman), 97
Ruggie, John, 150
rule of law principle, 3
Russian intervention in Ukraine, 138–41
S. and Harper v. United Kingdom, 78, 234–35
safe motherhood and abortion, 77
satellite imagery, 9, 132, 135, 178, 296
science and technology studies (STS), 2–3, 5–7
scraping, defined, 152
search, defined, 152
second-hand witnessing, 133
secondary trauma, 146–47
Security in-a-Box, 209
security training for digital technology, 281
semi-autonomous offensive systems, 99–100
separation of powers, 101–2
sexual violence, 142
S.H. and Others v. Austria, 73, 79, 84
shame/shaming, 4, 11–12
Silverman, Craig, 129
SITU Research, 296
Skype, 275, 294
smartphones, 168, 193
Smith v. Maryland, 276–77
Snowden, Edward, 150, 217, 221–24
social developments of human fertilization, 89
social justice mapping, 183–84
social media
advocacy messages via, 198–200
clickbait content on, 204
Code of Conduct, 16–17
content culture, 204
human rights violations and, 10
introduction to, 1
miscalculations and resources, 202–5
privacy concerns, 284
proofing of, 200–2
quantification methods, 199
rebel forces against ISIS, 137
user-generated video on, 134

Index

right to free expression, 19
right to health, 65–67
right to life, 65–66
right to privacy. See privacy rights
right to water, 65–67
rights-based approach, 64
human rights-based approach, 2–4, 6, 18, 24, 64, 73, 78, 80–81, 90
rights restricting/enhancing technology, 38
Rio Declaration on Environment and Development, 53
Royal Statistical Society, 105
RQ-4 Global Hawk (Northrup Grumman), 97
Ruggie, John, 150
rule of law principle, 3
Russian intervention in Ukraine, 138–41
S. and Harper v. United Kingdom, 78, 234–35
safe motherhood and abortion, 77
satellite imagery, 9, 132, 135, 178, 296
science and technology studies (STS), 2–3, 5–7
scraping, defined, 152
search, defined, 152
second-hand witnessing, 133
secondary trauma, 146–47
Security in-a-Box, 209
security training for digital technology, 281
semi-autonomous offensive systems, 99–100
separation of powers, 101–2
sexual violence, 142
S.H. and Others v. Austria, 73, 79, 84
shame/shaming, 4, 11–12
Silverman, Craig, 129
SITU Research, 296
Skype, 275, 294
smartphones, 168, 193
Smith v. Maryland, 276–77
Snowden, Edward, 150, 217, 221–24
social developments of human fertilization, 89
social justice mapping, 183–84
social media
advocacy messages via, 198–200
clickbait content on, 204
Code of Conduct, 16–17
content culture, 204
human rights violations and, 10
introduction to, 1
miscalculations and resources, 202–5
privacy concerns, 284
proofing of, 200–2
quantification methods, 199
rebel forces against ISIS, 137
user-generated video on, 134
Index

United Nations Declaration for a New International Economic Order (NIEO), 49, 52–53
United States v. Miller, 275–77
Universal Declaration on Bioethics and Human Rights, 36, 39, 44, 71
Universal Declaration on Human Rights (UDHR), 26, 65, 28–89
universality principle, 3
unmanned aerial vehicles (UAVs), 96, 103, 294–96.

See also drone technology
U.S. Central Command, 110
U.S. Congress, 95, 101–12
U.S. Department of Justice Office of Legal Counsel (OLC), 105–6, 109
U.S. Foreign Intelligence Surveillance Court, 230
U.S. House of Representatives, 104, 108–9
U.S. National Security Agency (NSA), 172, 195, 281
U.S. Presidential Commission for the Study of Bioethical Issues, 75
U.S Constitution, 101–2
use of force, 20
user-generated video
Boko Haram, 141–42
case studies, 133
challenges in law/advocacy, 132–33
discussion, 145–48
graphic nature of images, 203
introduction to, 125–26, 129
Nigerian military war crimes, 142–45
role in human rights investigations, 130–32, 194
Russian intervention in Ukraine, 138–41
Syria case study, 134–37
video evidence of crimes, 131
weapons tracking, 135–36
user welfare and technology, 38

Verification Handbook for Investigative Reporting (Silverman, Tsubaki), 129
video evidence. See user-generated video content
Vienna Convention on the Law of Treaties, 282
Vienna Declaration and Platform of Action
indivisibility principle, 3–4
inter-dependence principle, 3–4
inter-relatedness principle, 3–4
Vietnam War, 102–3

vision-based video analysis system, 298–99
voluntariness of insecure technology use, 277–82
vulnerable populations, 6

War on Terror, 274
War Powers Resolution, 96, 105
Washington Consensus, 28
water
beneficence, 41–42
demand management devices, 28–31, 35
free water allowance, 29–30
Free Water Policy, 35
informed consent and, 38–41
introduction to, 25–28
justice and, 42–43
Mazibuko Litigation, 31–33
right to science, 34–36
scrutiny requirements with, 36–38
technologies, 14
tokens for, 29
weapons tracking, 135–36
WhatsApp, 197, 209, 294, 305
whistleblowers, 231
WikiLeaks, 179
Wikipedia, 231
willful blindness, 120–21
Wiring project, 302
WITNESS (NGO), 130
Wordpress, 204
World Bank, 54
World Intellectual Property Organization (WIPO), 53–54
World Medical Association, 36
World Trade Organization (WTO), 50, 52, 54

You Tube
communication issues with, 191
freedom of expression rights, 264
introduction to, 16–17
metadata doctoring, 107–98
number of monthly visitors, 243
overview of, 114
Russian intervention in Ukraine, 138
Yugoslavian weapons stockpiling, 135

Zuckerberg, Mark, 261

© in this web service Cambridge University Press

www.cambridge.org