Index

Abdulraheem, M 33, 34
Abdulrahman, A 33
Agyebeng, K 44

Air pollution
   central Asia, Sustainable Development Convention 112, 113
   east Asia see east Asia, air pollution arrangements

Greenhouse Gas and Air Pollution Interactions and Synergies (GAINS-Asia) scientific model 214

Haze Pollution Agreement see southeast Asia, Haze Pollution Agreement

Malé Declaration, south Asia 179, 188, 194–5

Third Pole 222

UNECE Air Pollution Convention 160–61, 162

Akiner, S 85
Al-Abdulrazzak, D 30
Al-Ajmi, D 35–6, 39, 43, 56–7

Almaty Declaration on Cooperation of the Environmental Protection of the Caspian Sea Region 85–6

Amineh, M 29

Arab Initiative for Sustainable Development 28

Arab League Educational, Cultural and Scientific Organization (ALECSO) 53–4

Arabian Gulf/Gulf of Oman Convention 30–52, 54–61 passim, 66, 69, 71, 73, 95–7, 186

Accidental vessel source pollution 34–5, 41

Biodiversity and natural resources 30–31

and Caspian Sea Convention 69, 73

Continental Shelf Protocol and marine pollution 47–50, 52

Cooperation between member states 41–2

dispute settlement provisions 45

emergencies, dealing with 37, 41–2, 45–7, 54, 58, 60–61

environmental impact assessment (EIA) provisions 42–4, 47

Global Programme of Action (GPA) for the Protection of the Marine Environment from land-based activities 31

Gulf (Kuwait) Action Plan (KAP) 35–9, 43

Gulf War and Kuwait’s petroleum-producing facilities 33–4, 35–6, 43, 46

Hazardous Wastes Protocol 52

Land-Based Sources Protocol 50–52

liability and compensation for damage resulting from marine pollution 44–5

Marine Emergency Mutual Aid Centre (MEMAC) 37, 46, 60–61

national implementation reporting (NIR) and compliance control 45

oil pollution 31–5, 39–41, 54, 58, 60, 95–7

pollution emergencies and cooperation between member states 41–2

pollution from land reclamation and related dredging 41, 43–4

pollution from land-based sources 41

277
pollution from ships and dumping of waste 41
Regional Cooperation Protocol and pollution emergencies 37, 45–7, 54, 58, 60, 86, 95
Regional Organization for the Protection of the Marine Environment (ROPME) 36–9, 40, 42, 46, 47, 48, 66
strategic environmental assessment (SEA) 43–4
see also southwest Asia
Aral Sea, water resource management 74, 81–2, 100–109, 122
Aral Sea disaster 106
dam-building activity of the upstream states (Rogun Dam project) 81, 107–8, 109
dispute resolution 107
fish species extinction 100
hydroelectricity for Kyrgyzstan and Tajikistan 102
integrated water resources management (IWRM) and sustainable development 106–7
International Fund for Saving the Aral Sea (IFAS) 104, 106
and international law failure 109
Interstate Commission Agreement for Water Resources 101–2, 103–5, 106–7
Interstate Commission for Water Coordination (ICWC) 104–7
land erosion 100–101
Nukus Declaration 102–3
resources trade agreement 103
Saving the Aral Sea Agreement 103, 104, 105, 106
transboundary water disputes and inheritance of Soviet water allocation regimes 101–2, 103
UN Commission suggestion 108
World Bank grant for dyke to divide Aral Sea 108–9
see also central Asia and sustainable development regimes
Arctic Council 236, 237
Arsel, M 77
Ascher, W 86
ASEAN (Association of Southeast Asian Nations)
ASEAN-China Dialogue Relations 168–9
and Asian Development Bank (ADB) collaboration 129
Centre for Biodiversity 125, 149, 155–7, 163
Conservation Agreement 148–9, 160, 161
conservation and haze pollution measures 16
Coordinating Centre for Transboundary Haze Pollution Control 161, 163–4, 165–6
dispute resolution 128
global administrative law indicators 13–14
and haze pollution problem 127
Institutional Framework for Environmental Cooperation 128–9
intergovernmental forum 126–8
legal and institutional framework 128
Ministerial Meeting on Environment (AMME) 126
Specialised Meteorological Centre Way 127–8, 154–5, 159, 162, 163
see also southeast Asia
Asian Development Bank (ADB) 132, 171–2, 229, 231
Asian Infrastructure Investment Bank (AIIB) 117, 172, 226–8, 231–2, 238
Attard, D 31
Azerbaijan, gas-injection well blowout 80–81
Bach, H 135
Badenoch, N 4, 127, 133
Ballaman, R 214, 215
Baloch, K 227, 228
Balsiger, J 4, 198–9
Bao, C 207
Bart, J 102
Index

Bastmeijer, K 201
Beeson, M 12, 14
Best, E 12
Bichsel, C 102
Bina, O 207
biodiversity 15–16
Arabian Gulf/Gulf of Oman
Convention 30–31
Caspian Sea Convention 82–3, 86, 88, 90–93
Centre for Biodiversity Agreement, southeast Asia 149
Convention on Biological Diversity (CBD) 36–9, 40, 62, 64, 66, 86, 91, 113, 154, 178, 218, 226, 236, 239
east Asia, Tumen Programme 209
environmental security issues, southeast Asia 126
Red Sea/Gulf of Aden Convention see Red Sea/Gulf of Aden
Convention, Biodiversity Protocol
southeast Asia, Haze Pollution Agreement 163
water management and biodiversity protection, Third Pole 223–5
biomass, and southeast Asia, Haze Pollution Agreement 166
Biswas, S 220, 228
Black, A 76
Blanchard, J 203
Bliss, A 195
Boer, B 126, 145
Boilard, M 63
Boone, J 186, 227, 228
Boyer, J 170
Boyle, A 201
BP, Gulf of Mexico disaster 80–81
Brahmaputra basin, and international cooperation, Third Pole 224
Breau, S 34
Breitmeier, H 1, 17
Breu, T 218, 220
Brooks, I 190
Brooks, L 19
Bruch, C 11, 223
Burke, J 222, 225
Buxton, C 76
Byers, M 220
Byrne, A 11, 162
Byun, S 199, 205, 209
Cabestan, J 116
Callus, A 119
Cambodia’s withdrawal from Mekong Committee 145–6
Campins Eritja, M 100, 107, 115
Carrell, S 19
Carrera, A 80
Carty, A 222
Caspian Sea Convention 71, 73, 82–100, 111, 114, 120, 121, 196
Almaty Declaration on Cooperation of the Environmental Protection of the Caspian Sea Region 85–6
and Arabian Gulf/Gulf of Oman Convention 69, 73
Azerbaijan gas-injection well blowout 80–81
biodiversity 82–3, 86, 88, 90–93
and Chinese interests 87
dispute resolution 92, 95
EIA Protocol 93–5
emergencies, dealing with 86, 88–9, 91, 95
environmental emergencies and invasive alien species 88–9, 91
environmental impact assessment (EIA) 89, 98
framework nature, weaknesses of 89–90
Global International Waters Assessment (GIWA) pollution assessment 83–4
implementation and compliance provisions 90
industrial contamination legacy 84
information access 93, 94, 99
institutional arrangements 87
Integrated Coastal Zone Management (ICZM) 91, 92–3
and Iran 119–20
Land-Based Sources and Activities Protocol, cooperation and assistance measures 99–100
Land-Based Sources and Activities Protocol, environmental impact assessment (EIA) 98
Land-Based Sources and Activities Protocol, information collection and exchange 98–9, 114
Land-Based Sources and Activities Protocol, and pollution prevention 86, 93–5, 111–13
national implementation reports (NIRs) 90, 92, 96, 99–100
oil pollution 86, 96–7
pollution prevention 83–4, 88, 97–8
Protected Areas of the Caspian Sea (PACS List) 91, 92
Regional Cooperation Protocol 86, 88–9, 91, 95–7
species protection and conservation of species 91–2
transboundary environmental impact assessment (EIA) 86, 93–5, 111–13
see also central Asia and sustainable development regimes

cassar, A 223
central Asia and sustainable development regimes 73–123, 173, 175, 235
Aral Sea see Aral Sea, water resource management
Caspian Sea Convention see Caspian Sea Convention
central Asia definition 75–82
Central Asian Cooperation Organization (CACO) 78–9
Central Eurasia as alternative name 77
common economic zone between Kazakhstan and Uzbekistan 78–9
constitutional system 76
Eurasian Economic Community (EAEC) 78–9
hydro-electricity development 81
NATO role 79
oil and gas exploration and energy-related development, risk factors 80–81
regional integration 78
transboundary issues 83, 88, 89, 93–5
central Asia and sustainable development regimes, China’s relationship 115–20
border disputes and economic and security strategies 117–18
collapse of the Soviet Union, effects of 117
energy supply sources 115–16
and Iran 119–20
New Silk Road and infrastructure projects 116–17
oil projects 118–19
Shanghai Cooperation Organization 119
central Asia and sustainable development regimes, Sustainable Development Convention 74–5, 78, 110–15, 235
air pollution prevention 112, 113
cooperation in emergencies 114
environmental impact assessment 111–12
information access 114
integrated water resources management (IWRM) 113
land degradation and desertification prevention 112
mountain ecosystems, degradation prevention 112–13
national implementation reports (NIRs) 114–15
pollution prevention 112
strategic environmental assessment (SEA) 111
water pollution prevention 112
Chan, G 200
Chan, M 117, 222, 231
Che, X 207
Chen, A 231
Chen, H 191, 200
Chen, S 221
Chesterman, S 12
Chettri, N 219, 220, 223
Index

Chiang, L 231
China
  artificial island-building in Spratly Islands 217
  and Caspian Sea Convention 87
  central Asia relationship see central Asia and sustainable development regimes, China’s relationship
  China-Pakistan Economic Corridor 180–81, 227–8
  Mongolia-China Railway Feasibility Study 210–11
  New (Maritime) Silk Road and infrastructure projects 116–17, 169, 187
  South China Sea findings, Permanent Court of Arbitration (PCA) 169–70, 217, 226
  South China Sea territorial disputes 169–72
  southeast Asia relationship see southeast Asia, China’s role
  southwest Asia relationship see under southwest Asia
  Third Pole and Tibet Autonomous Region control 221–2, 225–6, 237
  Tibetan Plateau as part of 199
  transboundary EIA in international law, and China’s relationship with neighbours 200–202
Chow, L 231
Chowdhury, D 229
Chul, R 211
Chung, L 118, 231
Clarke, M 119
climate change
  Climate Change Convention 16, 236
  Mekong Agreement 133
  south Asia 182–3, 195–6, 197
  Third Pole 220, 221, 222, 229
Clough, R 198
Conservation Agreement see southeast Asia, Conservation Agreement
Consultative Commission, east Asia, Tumen Programme 203, 204, 205, 209, 210–12
Continental Shelf Protocol, Arabian Gulf/Gulf of Oman Convention 37, 45, 47–50, 52
Contreras, A 126, 144, 174
Convention on Biological Diversity (CBD) 36–9, 40, 62, 64, 66, 86, 91, 113, 154, 178, 218, 226, 236, 239
see also biodiversity
Convention on the Conservation of Migratory Species (CMS) 91, 236
Convention on International Trade in Endangered Species (CITES) 91, 226, 236
Convention on Wetlands of International Importance 90–91, 236
Cooke, K 221
cooperation
  Arabian Gulf/Gulf of Oman Convention 41–2, 45–7
  Caspian Sea Convention 99–100
  central Asia and sustainable development regimes 114
  east Asia, East Asian Regional Seas Programme 216–17
  east Asia, Tumen Programme 203–4, 204, 205
  Mekong Agreement 137
  Red Sea/Gulf of Aden Convention 58
  south Asia see south Asia, South Asia
  Co-operative Environment Programme (SACEP); south Asia, South Asian Association for Regional Cooperation (SAARC)
  southeast Asia, Haze Pollution Agreement 162–3, 164
  Third Pole 221, 224, 235–6
Coskun, B 29
Craik, N 201
Cullet, P 5, 189
Cullinan, C 238
dam-building
  Aral Sea, water resource management 81, 107–8, 109
Environmental regimes in Asian subregions

<table>
<thead>
<tr>
<th>Term</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mekong Agreement</td>
<td>131, 133, 145–7, 171, 223–4</td>
</tr>
<tr>
<td>Third Pole</td>
<td>221, 223, 224, 228</td>
</tr>
<tr>
<td>see also hydroelectric power; infrastructure development</td>
<td></td>
</tr>
<tr>
<td>Daming, H</td>
<td>199</td>
</tr>
<tr>
<td>Daniel, J</td>
<td>223</td>
</tr>
<tr>
<td>Dasgupta, K</td>
<td>221</td>
</tr>
<tr>
<td>Davies, I</td>
<td>120</td>
</tr>
<tr>
<td>De Mora, S</td>
<td>83, 84</td>
</tr>
<tr>
<td>Denyer, S</td>
<td>228, 239</td>
</tr>
<tr>
<td>Desrina, R</td>
<td>35</td>
</tr>
<tr>
<td>Din, A</td>
<td>223</td>
</tr>
<tr>
<td>disaster management see under emergencies</td>
<td></td>
</tr>
<tr>
<td>dispute resolution</td>
<td>12–13</td>
</tr>
<tr>
<td>Arabian Gulf/Gulf of Oman Convention</td>
<td>45</td>
</tr>
<tr>
<td>Aral Sea, water resource management</td>
<td>107</td>
</tr>
<tr>
<td>Caspian Sea Convention</td>
<td>92, 95</td>
</tr>
<tr>
<td>Mekong Agreement</td>
<td>139–40</td>
</tr>
<tr>
<td>Red Sea/Gulf of Aden Convention</td>
<td>59</td>
</tr>
<tr>
<td>south Asia</td>
<td>190, 194</td>
</tr>
<tr>
<td>southeast Asia</td>
<td>155</td>
</tr>
<tr>
<td>Dominguez, R</td>
<td>2</td>
</tr>
<tr>
<td>Dore, J</td>
<td>132, 143, 174</td>
</tr>
<tr>
<td>Dunlap, B</td>
<td>79</td>
</tr>
<tr>
<td>Duran, H</td>
<td>117</td>
</tr>
<tr>
<td>Duyck, S</td>
<td>55, 185, 196</td>
</tr>
<tr>
<td>Earle, A</td>
<td>188</td>
</tr>
<tr>
<td>earthquakes, Third Pole</td>
<td>220–21</td>
</tr>
<tr>
<td>east Asia</td>
<td>198–217</td>
</tr>
<tr>
<td>definition</td>
<td>198–202</td>
</tr>
<tr>
<td>infrastructure projects and environmental harm</td>
<td>199–200</td>
</tr>
<tr>
<td>south Asia link see south Asia</td>
<td></td>
</tr>
<tr>
<td>Third Pole link see Third Pole</td>
<td></td>
</tr>
<tr>
<td>Tibetan Plateau as part of China</td>
<td>199</td>
</tr>
<tr>
<td>transboundary EIA in international law, and China’s relationship</td>
<td></td>
</tr>
<tr>
<td>with neighbours</td>
<td>200–202</td>
</tr>
<tr>
<td>Tumen Programme see Tumen Programme</td>
<td></td>
</tr>
<tr>
<td>see also southeast Asia</td>
<td></td>
</tr>
<tr>
<td>east Asia, air pollution arrangements</td>
<td>212–15</td>
</tr>
<tr>
<td>Greenhouse Gas and Air Pollution Interactions and Synergies</td>
<td></td>
</tr>
<tr>
<td>(GAINS-Asia) scientific model</td>
<td>214</td>
</tr>
<tr>
<td>North-East Asian Subregional Programme for Environmental Cooperation</td>
<td></td>
</tr>
<tr>
<td>(NEASPEC) science-related initiatives</td>
<td>215</td>
</tr>
<tr>
<td>Tripartite Environment Ministers Meetings (Japan, South Korea and China)</td>
<td>212–13</td>
</tr>
<tr>
<td>east Asia, East Asian Regional Seas Programme</td>
<td>215–17</td>
</tr>
<tr>
<td>and China’s artificial island-building activities in the Spratly Islands</td>
<td></td>
</tr>
<tr>
<td>Coordinating Body on the Seas of East Asia (COBSEA)</td>
<td>216–17</td>
</tr>
<tr>
<td>disaster management</td>
<td>216–17</td>
</tr>
<tr>
<td>land development and fishing threats</td>
<td>216</td>
</tr>
<tr>
<td>oil pollution prevention</td>
<td>217</td>
</tr>
<tr>
<td>Ebbesson, J</td>
<td>208</td>
</tr>
<tr>
<td>ecological processes, conservation of</td>
<td></td>
</tr>
<tr>
<td>southeast Asia</td>
<td>151–2</td>
</tr>
<tr>
<td>ecosystem protection</td>
<td></td>
</tr>
<tr>
<td>central Asia</td>
<td>112–13</td>
</tr>
<tr>
<td>Red Sea/Gulf of Aden Convention</td>
<td>68</td>
</tr>
<tr>
<td>Egerer, H</td>
<td>238</td>
</tr>
<tr>
<td>Elliott, L</td>
<td>11, 126, 127–8, 150, 175, 233</td>
</tr>
<tr>
<td>emergencies, dealing with</td>
<td></td>
</tr>
<tr>
<td>Arabian Gulf/Gulf of Oman Convention</td>
<td>37, 41–2, 45–7, 54, 58, 60–61</td>
</tr>
<tr>
<td>Caspian Sea Convention</td>
<td>86, 88–9, 91, 95</td>
</tr>
<tr>
<td>central Asia</td>
<td>114</td>
</tr>
<tr>
<td>disaster management</td>
<td>32, 80–81, 106, 179, 185, 188, 192–3, 216–17</td>
</tr>
<tr>
<td>Mekong Agreement</td>
<td>139–40</td>
</tr>
<tr>
<td>Red Sea/Gulf of Aden Convention</td>
<td>58, 60–61</td>
</tr>
<tr>
<td>endangered species protection</td>
<td>65–6, 68, 91–2, 150–51, 236</td>
</tr>
<tr>
<td>energy requirements</td>
<td></td>
</tr>
<tr>
<td>central Asia</td>
<td>115–16</td>
</tr>
</tbody>
</table>
Index

east Asia, Tumen Programme 211–12
hydroelectric power see hydroelectric
power
Mekong Agreement 134–5
oil production 69, 69–70, 80–81,
118–19, 221
south Asia 179, 187, 193–4
southeast Asia, China’s role 172
environmental impact assessment (EIA)
Arabian Gulf/Gulf of Oman
Convention 42–4, 47
Caspian Sea Convention 89, 93–5, 98
central Asia, Sustainable
Development Convention
111–12
east Asia, Tumen Programme 206–7,
208, 210
EIA Protocol 21
Mekong Agreement 140–41, 144–5
Red Sea/Gulf of Aden Convention
63–4, 68
southeast Asia, Conservation
Agreement 151, 153–4
transboundary see transboundary
environmental impact
assessment (EIA)
see also strategic environmental
assessment (SEA)
environmental regimes and subregimes
14–17
Asia 18–22
Erlewein, A 188
Esmaili, H 32, 41, 81
Espoo Convention 86, 144, 146, 201,
219, 225, 229, 230
Esty, D 11
Eurasian Economic Community
(EAEC) 78–9
European Bank for Reconstruction and
Development (EBRD) 230–31
European mountain agreements 237
Eyler, B 172

Fau, M 200
Fawcett, L 2
Féaux de la Croix, J 75, 76
Fioramonti, L 2

Fischer, T 12
fishing and fisheries 67, 100, 130, 133,
145, 216
flooding 130, 131, 138, 139, 141, 142,
144, 182–3
Ford, J 170
Fox, C 131, 132, 133, 139, 143, 145,
146, 173, 174
Fumagalli, M 77
Furman, E 237
future research, Third Pole 236–9
Gaberell, S 237
Gan, N 171
Gault, S 32
Gerges, M 61
Gerlak, A 29
Ghabra, S 69
Gladstone, W 54–5, 57, 58, 60, 66–7
Glantz, M 100
Glenn, H 76
Global International Waters Assessment
(GIWA) pollution assessment,
Caspian Sea Convention 83–4
Global Programme of Action (GPA) for
the Protection of the Marine
Environment from land-based
activities 31
Gochhayat, A 18–19, 182
Godement, F 77
Goldenberg, S 180
Goodsite, M 158, 160
Granat, J 15, 22
Green, J 200
Greenhouse Gas and Air Pollution
Interactions and Synergies
(GAINS-Asia) scientific model
214
see also air pollution
Grigg, B 41
Gulf of Aden Convention see Red Sea/
Gulf of Aden Convention
Gulf Cooperation Council 28–9
Gulf of Oman Convention see Arabian
Gulf/Gulf of Oman Convention
Gupta, J 5, 189
Environmental regimes in Asian subregions

Haidah, S 182, 193
Harvey, F 19
Hashim, A 222
Haze Pollution Agreement see southeast Asia, Haze Pollution Agreement
Helsinki Water Convention 51–2
Hensengerth, O 6, 145, 146, 171, 200
Hewitt, K 218
Heydarian, R 228
Hijjoka, Y 133, 183
Hildén, M 237
Hill, J 76
Hilton, I 188, 224
Hinrichsen, D 31, 53
Hirsch, P 143, 144, 174
Horberry, J 140
Huang, C 231
Huettmann, F 1, 235, 238
Hunter, D 218
hydroelectric power
central Asia and sustainable development regimes 81
for Kyrgyzstan and Tajikistan, Aral Sea, water resource management 102
Mekong Agreement 131, 146–7
South Asian Seas Programme 197
Third Pole 221, 223, 224, 228
see also dam-building; energy

India
environmental degradation 183
Mumbai High North disaster 32
regionalism and cultural diversity 182
Indonesian Plan of Action, southeast Asia, Haze Pollution Agreement 167
Indus Waters Treaty 178, 179, 187, 188–92, 219, 225, 229, 233
dispute settlement provisions 190
Mahakali Agreement 188–9
modern challenges 190–91
Permanent Indus Commission 189–90
and World Bank 229
see also south Asia

information access and exchange 93, 95, 98–9, 114, 142–4, 145, 207–8
infrastructure development 199–200, 209, 225–32, 238
dam-building see dam-building
Integrated Coastal Zone Management (ICZM) 63, 64, 67–8, 91, 92–3
Integrated Water Resources Management (IWRM) 106–7, 113, 137
Intergovernmental Panel on Climate Change, transboundary pollution 183
International Court of Justice (ICJ)
Pulp Mills on the River Uruguay (Argentina v Uruguay) 119, 200–201, 225
Reparation for Injuries Suffered in the Service of the United Nations 185
International Fund for Saving the Aral Sea (IFAS) 104, 106
international law failure, Aral Sea, water resource management 109
international legal obligations, Mekong Agreement 139
International Maritime Organization (IMO) 32, 41
international monitoring, southeast Asia, Haze Pollution Agreement 158–9
International Union for the Conservation of Nature (IUCN) 28, 65–6
Ip, E 55, 185
Iran
and Caspian Sea Convention 119–20
China’s oil and gas requirements 69
nuclear proliferation issue 74
Ives, M 130

Jacobsson, M 44–5
Janusz, B 88–9, 90, 121
Jayakumar, S 155, 160, 175
Jayshi, D 182, 193
Jerger, D 158, 160, 162, 166
Jetly, R 185
Index

Kazakhstan
- common economic zone with Uzbekistan 78–9
- oil projects and China 118, 119
Kazantsev, A 79, 119
Kelly, K 33
Kepbanov, Y 85
Khan, N 35–6, 39, 43, 56–7
Kheng-Lian, K 126
Kim, I 212, 213
Kim, J 213
Kim, M 205, 209
Kim, W 205
King, H 188
Kirchner, E 2
Kirk, E 31, 51–2
Koh, K 12, 126, 127, 149, 154–5, 168
Koh, M 13
Koivurova, T 11, 12, 201, 237
Korpøraal, G 231
Kotzé, L 4, 15, 16, 17
Koyano, M 205, 234
Kraska, J 63
Kuenzer, C 130
Kumar, S 190
Kuwait
- Gulf (Kuwait) Action Plan (KAP) 35–9, 43
- Gulf War and petroleum-producing facilities 33–4, 35–6, 43, 46
Kwong, M 231

Labarre, F 86
Laffoley, D 42–3
Lam, K 207
land use
- Arabian Gulf/Gulf of Oman Convention 41, 43–4, 50–52
- Aral Sea, water resource management 100–101
- Caspian Sea see under Caspian Sea Convention
- central Asia, Sustainable Development Convention 112
- east Asia 216
- southeast Asia, Conservation Agreement 151, 152
- southeast Asia, Haze Pollution Agreement 157–8, 165
- Langley, J 42–3
- Laos hydropower projects 131, 146–7
- Lapidoth-Eschelbacher, R 53
- Larson, C 201
- Laruelle, M 79
- Laurie, A 209, 225
- Law of the Sea Convention (LOSC) accidental vessel source pollution 34–5, 41, 52, 54, 61–2
- South China Sea dispute settlement 169–70, 226
- Lazarus, K 148
- Lebarre, F 85
- Lee, D 44
- Lee, Jae-Hyup 213
- Lee, Janice 165
- Lee, S 209
- Lee, Y 85
- Lenin, J 239
- Li, H 117
- Li, J 220
- Libert, B 83, 102, 104, 105, 106, 108, 109, 122
- Libman, A 79, 80, 115, 120
- Lidskog, R 182
- Lim, M 101, 218, 224
- Lim, T 199
- linking south and east Asia see east Asia; south Asia; Third Pole
Environmental regimes in Asian subregions

Lintner, S 28
Lipponen, A 83, 106, 108, 122
Litta, H 2, 4, 15, 17, 116, 129, 157, 158, 161, 166–7, 233
Liu, H 190
Liu, M 116
Liu, N 31
Liu, Z 170, 171
Lloyd, S 76
Lo, C 228
Lo, S 221
Lone, F 222
Loure, F 104, 190–91
Lovett, R 34, 193, 221
Lu, Z 34, 180, 222
Lyons, Y 35
McCaffrey, S 136
McCain, J 43
MacKay, J 102, 104, 107, 108–9
McKinney, D 81–2, 100, 101, 136
Magee, D 172
Magsig, B 191, 219
Mahakali Agreement, Indus Waters Treaty 188–9
Mahmoudi, S 38, 45, 47, 48–9, 50
Majumder, S 228
Malé Declaration on air pollution, south Asia 160, 179, 187, 188, 194–5, 212
Malik, H 76
Manuchehr, F 63, 73, 92–3, 122
Marauhn, T 4
Marketos, T 119
Matsuoka, S 1
Mauerhofer, V 237
Maverick, T 227
Mediterranean (Madrid) Protocol 49
Mehdiyoun, K 85
Asian Development Bank (ADB) and Greater Mekong Subregion (GMS) Programme 132, 229
Cambodia’s withdrawal from Mekong Committee 145–6
climate change effects on water flows 133
cooperation principles 137
dam building 131, 133, 145–7, 171, 223–4
dispute resolution 139–40
emergency situations 139–40
environmental impact assessment (EIA) 140–41, 144–5
fisheries 130, 133, 145
flooding 130, 131, 138, 139, 141, 142, 144
freedom of navigation 140
hydropower projects, Laos 131, 146–7
Indicative Basin Plan 132
information access and dissemination 142–4
Initial Environmental Evaluations (IEEs) 141
Integrated Water Resources Management (IWRM) 137
international legal obligations and environmental management 139
Mekong Committee 131
Mekong River Commission (MRC) 124, 133–6, 137, 139–40, 142, 146–7, 171
Mekong2Rio Conference 135
Nam Ngum Dam linking Laos to Thailand 131
national interest domination 145
National Mekong Committee (NMC) 141, 142, 143
Prior Consultation and Agreement (PNPCA) 140–48
public participation concerns 143–4, 145
Save the Mekong Coalition 147
strategic environmental assessment (SEA) of hydropower 134, 135, 146–7
sustainable development challenge 133, 135–6, 147–8
Thai Pak Mun Dam 145–6
transboundary pollution 133, 144
and US support for Thailand 132, 145
Vietnam War effects 131
Index

water, energy and food security 134–5
water resource management and development 131, 138–9, 141, 142, 144–5
wet season and inter-basin diversions 138, 141, 142, 144

see also southeast Asia
Meng, A 117
Meng, S 172
Miles, E 1, 17
Mirovitskaya, N 86
Mirza, M 182–3, 221
Molden, D 220
Molle, F 200
Mørbø, G 19
Mongolia-China Railway Feasibility Study 210–11
Moore, M 34, 193, 221
Moorman, J 208
Mørck Jensen, K 143
Morton, K 195, 221
Mourant, A 226–7
Mousavi, S 85
Moyhnan, R 191, 219
Mrema, E 3, 11, 35
Muni, S 185
Mushkat, R 12, 159, 175
Myint, T 136, 224

Nadim, F 32, 34, 35, 38, 39, 40, 58
Nam, S 210
Naser, H 42
National Focal Points, southeast Asia, Conservation Agreement 155
national implementation reporting (NIR)
Arabian Gulf/Gulf of Oman Convention 45
Caspian Sea Convention 90, 92, 96, 99–100
central Asia, Sustainable Development Convention 114–15
Red Sea/Gulf of Aden Convention 59, 64

national interest domination, Mekong Agreement 145
NATO role, central Asia and sustainable development regimes 79
Nazari, M 218, 229
Neronov, V 210
Newell, P 3, 15, 18
Newton, J 189
Newton, S 76
Ng, T 170
Nguitragool, P 158
Niazi, T 80, 117–18, 227
North-East Asian Subregional Programme for Environmental Cooperation (NEASPEC) 215
Nouri, J 92
Nukus Declaration, Aral Sea, water resource management 102–3
Nurhidayah, L 167

Ogden, C 6
oil pollution 31–5, 39–41, 54, 58, 60, 86, 95–7, 217
see also pollution
oil production 69, 69–70, 80–81, 118–19, 221
see also energy
Omar, S 34
Oral, N 35
Ostrowski, W 118

Pagnamenta, R 70
Pak, A 63, 73, 92–3, 122
Park Lee, A 1
Permanent Court of Arbitration (PCA), South China Sea findings 169–70, 217, 226
PERSGA (Programme for the Environment of the Red Sea and Gulf of Aden) 53–6, 60, 63, 64, 65–6
Phillips, T 170
piracy concerns, Red Sea/Gulf of Aden Convention 62–3
pollution
air see air pollution
Environmental regimes in Asian subregions

Arabian Gulf/Gulf of Oman Convention 34–5, 41–2, 43–50, 52
Caspian Sea Convention 83–4, 88, 97–8
central Asia, Sustainable Development Convention 112
Haze Pollution Agreement see southeast Asia, Haze Pollution Agreement
Mekong Agreement 133, 144
oil 31–5, 39–41, 96–7, 217
Red Sea/Gulf of Aden Convention 57, 57–9, 58, 62–4
southeast Asia, Conservation Agreement 151–2
Pomfret, R 76, 198, 204
Ponte, E 130–31, 132, 148
Poole, T 69
Porkareh, M 87
Prashant, S 222
Price, G 184, 225
private sector funding, east Asia, Tumen Programme 209
protected areas, creation of, southeast Asia, Conservation Agreement 152–3
public participation concerns 143–4, 145
see also information access and exchange
Putin, V 79, 232
Putz, C 81
Qin, T 237
Qoraboyev, I 77–8, 79
Rahimov, R 76
Razzaque, J 15, 18, 143
Red Sea/Gulf of Aden Convention 37, 49, 53–68, 71, 73, 95, 121, 196
cooporation in dealing with pollution emergencies 58
dispute settlement 59
ecosystems and species populations, restoration of 68
environmental conservation objective 56–9
environmental impact assessment (EIA) provisions 63–4, 68
Exchange of Personnel and Equipment Protocol 55, 58, 60
Integrated Coastal Zone Management (ICZM) 63, 64, 67–8
Land-Based Activities Protocol 55, 61–3
Marine Emergency Contingency Plan 60–61
national implementation reporting (NIR) and compliance control 59, 64
PERSGA (Programme for the Environment of the Red Sea and Gulf of Aden) 53–6, 60, 63, 64, 65–6
piracy concerns 62–3
pollution prevention 57–9, 62–4
Regional Cooperation Protocol 54, 58, 60–61
underdevelopment and capacity issues 62–3
urban and rural development and land use 56–7
see also southwest Asia
Red Sea/Gulf of Aden Convention, Biodiversity Protocol 55, 64–6
Fisheries Research and Training Centres 67
Marine Protected Areas (MPAs) 66–8
protected areas listing 66
threatened species listing (PERSGA List) 65–6
Reel, Y 80
Regional Cooperation Protocol
Arabian Gulf/Gulf of Oman Convention 37, 45–7, 54, 58, 60, 86, 95
Caspian Sea Convention 86, 88–9, 91, 95–7
Red Sea/Gulf of Aden Convention 54, 58, 60–61
regional integration, central Asia and sustainable development regimes 78
Index

Regional Organization for the Protection of the Marine Environment (ROPME), Arabian Gulf/Gulf of Oman Convention 36–9, 40, 42, 46, 47, 48, 66
Regional Seas Programme see UNEP, Regional Seas Programme
Renaud, F 130
Rieu-Clarke, A 104, 144, 146, 174, 190–91
Rio+20 UN Conference on Sustainable Development 135
Roberts, A 29
Robinson, K 98
Robinson, N 12, 126, 127
Rogun Dam project, Aral Sea, water resource management 81, 107–8, 109
Ronen, Y 69
Rothwell, D 169
Rowe, W 75
Ruan, V 117
Saddique, H 225
Sadiq, M 43
Salman, A 227
Salman, S 206
Sarfaraz, H 190–91, 219
Saudi Arabia
  China’s oil and gas requirements 69–70
  Red Sea Bridge project 70
Saul, B 200, 220
Schrage, W 21
Schreve, L 206
security concerns 126, 134–5, 184
Sharma, E 220
Sheppard, C 30–31, 33, 44
Shi, J 169
Shiraiwa, T 198, 202
Short, A 231
Singapore, Transboundary Haze Pollution Act 165
Sitaraman, S 200
Slocum, N 2
Smith, E 206
Smith, L 188
Sneddon, C 131, 132, 133, 139, 143, 145, 146, 173, 174
Söderbaum, F 15, 22
Song, Y 200
Sornarajah, M 6
south Asia 178–97
  China-Pakistan Economic Corridor 180–81
  climate change 182–3, 195–6, 197
definition 181–4
east Asia link see east Asia
ergy requirements 179, 187, 193–4
Environment Agreement 188, 192
Environmental Cooperation Convention 179
environmental degradation, India 183
Indian regionalism and cultural diversity 182
Indus Waters Treaty see Indus Waters Treaty
institutions 184–7
lack of trade integration 181
Malé Declaration on air pollution 160, 179, 187, 188, 194–5, 212
national security concerns 184
Natural Disasters Agreement 188, 192–3
Rapid Response to Natural Disasters Convention 179
South Asian Regional Seas Programme 179
South Asian Seas Programme 196–7
South Asian Seas Programme, glacier melt effects 197
South Asian Seas Programme, and hydro-electric development 197
Third Pole link see Third Pole
water management concerns 184
south Asia, South Asia Co-operative Environment Programme (SACEP) 179, 182, 186–7, 234–5
Hindu Kush Himalayan belt and biodiversity 186
organizational collaboration 187
and sustainable development 186
south Asia, South Asian Association for Regional Cooperation (SAARC) 178–9, 182, 184–6, 192, 234–5

Simon Marsden - 9781784718091
Downloaded from Elgar Online at 05/29/2019 01:17:50PM via free access
climate change concerns 195–6
Natural Disaster Rapid Response
Mechanism 192
observers in governance framework
185–6
organizational collaboration 187
and regional connectivity 185
southeast Asia 124–76
ASEAN see ASEAN (Association of
South East Asian Nations)
biodiversity and environmental
security issues 126
Centre for Biodiversity Agreement
149
economic growth effects 125–6
environmental cooperation for
sustainable development and
regional integration 126–7
Mekong Agreement see Mekong
Agreement
southeast Asia definition 125–9
sustainable development 128
see also east Asia
southeast Asia, China’s role 168–72
ASEAN-China Dialogue Relations
168–9
Asian Development Bank (ADB)
171–2
Asian Infrastructure Investment Bank
(AIIB) 172
dam-building activities, involvement
in 171
energy strategy considerations 172
South China Sea territorial disputes
169–72
southeast Asia, Conservation
Agreement 74, 124, 148–55, 160,
173, 175, 235
air quality management compatible
with sustainable development
151
dispute settlement and administrative
arrangements 155
ecological processes, conservation of
151–2
endangered and endemic species,
trade prohibition 150–51
environmental impact assessment
(EIA) 151, 153–4
environmental planning measures
150
and Haze Pollution Agreement 160,
161
land use planning 151, 152
National Focal Points 155
pollution control 151–2
protected areas, creation of 152–3
sustainable development 150–51,
152–3
transboundary EIA requirements
154
water resources, conservation of
151
southeast Asia, Haze Pollution
Agreement 125, 127, 149, 151,
157–68, 175, 212
air pollution deaths 158
and ASEAN Conservation
Agreement 160, 161
ASEAN Coordinating Centre for
Transboundary Haze Pollution
Control 161, 163–4, 165–6
ASEAN Specialised Meteorological
Centre 160
biodiversity conservation 163
and biomass 166
and Conservation Agreement 160,
161
cooporation and implementation
measures 162–3, 164
fires within own territories, assistance
requests 165–6
haze pollution definition 162
Indonesian Plan of Action 167
institutional arrangements 161
international monitoring activity
158–9
and land clearing 157–8, 165
monitoring issues 164–5
origins of fires 157–8
pollution prevention 165
ratification issues 159, 167
Regional Haze Action Plan (RHAP)
159–60
slash-and-burn agriculture 157–8
Index


Simon Marsden - 9781784718091
Downloaded from Elgar Online at 05/29/2019 01:17:50PM
via free access
and Espoo Convention 225, 229
future research 236–9
infrastructure development and role
of international lenders 225–32, 238
oil and gas reserves 221
SEA Protocol 230
south Asia link see south Asia
sustainable development challenges
220, 221–2
transboundary EIA 222, 223, 225, 229, 230–31, 234, 235–6
water management and biodiversity
protection 223–5
Wild Law and ecological
jurisprudence 238–9
Trachtman, J 200
trade
lack of trade integration, south Asia
181
prohibition, endangered and endemic
species, southeast Asia 150–51
resources trade agreement, Aral Sea,
water resource management 103
transboundary environmental impact
assessment (EIA)
Caspian Sea Convention 86, 93–5, 111–13
central Asia and sustainable
development regimes 83, 88, 89, 93–5
east Asia 200–202, 210
southeast Asia, Conservation
Agreement 154
Third Pole 222, 223, 225, 229, 230–31, 234, 235–6
see also environmental impact
assessment (EIA)
transboundary water disputes, Aral Sea,
water resource management
101–2, 103
Tremlett, G 19
Tripathi, D 181–2
Tstsumi, R 98
Tumen Programme 177, 202–12, 233–4
biodiversity loss and water issues 209
Consultative Commission 203, 204, 205, 209, 210–12
Cooperation Framework on
Environment (CFE),
Vladivostok Declaration 204
Coordination Committee 204, 205
energy projects 211–12
environmental impact assessment
(EIA) 206–7, 208, 210
Environmental Mitigation and
Management Plan (EMMP)
206–7, 208
Feasibility Study on the Tumen River
Water Protection 210
information access and public
participation 207–8
intergovernmental cooperation
mechanism 203–4
Mongolia-China Railway Feasibility
Study 210–11
private sector funding 209
Road and Harbour Project on
China-DPRK border 211
Strategic Action Plan 2006–2015
209–10
strategic environmental assessment
(SEA) 207, 208
sustainable development of Greater
Tumen Region (GTR) 203
Transboundary Environmental
Impact Assessment workshops
210
transport infrastructure 209
UN Development Programme
(UNDP) support 203–4
water quality 202–3
see also east Asia
Turkmenistan, China’s oil projects
118–19
Turner, T 83, 84
Tzankova, M 85, 86
UN Commission suggestion, Aral Sea,
water resource management 108
UN Development Programme (UNDP)
Global Environment Facility
(UNDP-GEF), Global Ballast
(GloBallast) Water management
Project 32
Index

support, east Asia, Tumen Programme 203–4
UN Economic Commission for Europe (UNECE) 13, 16, 21
UN Economic and Social Commission for Asia and the Pacific (UNESCAP) 21, 131, 215
UN Economic and Social Commission for Western Asia (UNESCWA) 21
UN Geoscheme 19–20
central Asia definition 75
east Asia definition 198
southeast Asia definition 125
western Asia definition 27–8
UN Global Environment Facility 28–9
UN Sustainable Development Goals (SDGs) 135–6
UN Watercourses Convention 104, 190–91
Underdal, A 17
UNDP Sustainable Development Goals (SDGs) 50
UNECE Air Pollution Convention 160–61, 162
UNECE Water Convention 104, 191, 237
UNEP
Asia Pacific Subregional Environmental Policy Dialogue (SEPD) 20
Assessment Report, pollution from land-based sources and activities 62
compliance and enforcement guidance 11
Global Ministerial Environmental Forum 20
Global Programme of Action (GPA) 62, 63
UNEP, Regional Seas Programme 35–6, 38, 41, 49–50
Baltic (Helsinki Convention) 51–2
east Asia see east Asia, East Asian Regional Seas Programme
Programme for the Environment of the Red Sea and Gulf of Aden (PERSGA) 53–4
South Asian Regional Seas Programme 179, 196–7
US, support for Thailand 132, 145
Uyar, A 4, 198–9
Uzbekistan
China’s oil projects 118–19
commmon economic zone with Kazakhstan 78–9
Van den Broek, M 209
Van Langenhove, L 2
Varkkey, H 157
Vidal, J 221
Vietnam War effects, Mekong Agreement 131
Vinogradov, S 33, 49, 80–81, 85
Vinokurov, E 79, 80, 115, 120
Vuik, K 221
Waibel, G 137–8
Walker, B 171
Wan, W 213
Wang, C 202
Wang, J 6
Wang, S 202
Wang, Z 117
Warner, R 41, 217
Waslekar, S 172
water resource management
Aral Sea see Aral Sea, water resource management
central Asia, Sustainable Development Convention 112
east Asia, Tumen Programme 202–3
Helsinki Water Convention 51–2
hydroelectric power see hydroelectric power
Integrated Water Resources Management (IWRM) 106–7, 113, 137
Mekong Agreement 131, 134–5, 138–9, 141, 142, 144–5
south Asia 184
southeast Asia, Conservation Agreement 151
Third Pole 223–5
Environmental regimes in Asian subregions

UN Watercourses Convention 104, 190–91
UNECE Water Convention 104, 191, 237
Wearden, G 69
Webb, S 12
Wegerich, K 103, 109
Weinthal, E 103
Wild Law and ecological jurisprudence, Third Pole 238–9
Wishart, R 19
Wolf, A 189
Wong, C 172
Wong, E 237
Wong, P 70, 116
World Bank (WB)
on environmental safeguards policies 230
grant for dyke to divide Aral Sea 108–9
and south Asia, Indus Waters Treaty 229
World Heritage Convention 236
Marine Programme and ‘Bahrain’ Action Plan 42
World Summit on Sustainable Development (WSSD) 15
Wouters, P 85, 191–2, 200, 223
Xue, H 200
Ye, A 44
Yeh, E 228
Yeung, S 19
Yilmaz, K 117
Yoon, E 214
Yoshimatsu, H 203
Young, O 1, 14, 17
Zawahri, N 6, 200
Zhang, G 208
Zhu, T 207
Zhuang, P 69, 120
Ziganshina, D 105–6