Index

administrative measures 8, 19, 65, 176
age
distribution of population 35
structure 34, 139
Africa, investment in 169
agglomeration economies 10, 12, 186–187
aluminum 133, 137, 215
automobile 152–155, 166, 177
Banpo 3
bao-jia system 29
beef 149
Beijing 10, 11, 12, 16, 26, 33, 34, 36, 37, 38, 44, 46, 49, 54, 57, 63, 64, 65, 74, 76, 80, 81, 82, 83, 84, 88, 89, 89, 90, 91, 93, 94, 95, 97, 98, 99, 135, 137, 150, 151, 152, 153, 155, 159, 171
Beijing–Tianjin–Tangshan area 91, 93
built-up districts 97–98
bureaucratic capitalism 202
bureaucratic system 6, 18–19, 113, 193
capital, formation 57, 105–107, 164
capital goods and raw materials
aluminum 133, 137, 215
copper 112, 132–133
rare earths 133–134
steel 111, 127–132, 174
capital market 103, 164–170
catering services 26, 121, 156, 158–159
Chapter of Hu 29
Chengdu 48, 68, 86, 90, 135
chicken 149
China
impact on the world market 101
understanding 18, 205–206
China’s
choices 183–203
early state formation 18–19
impacts on the world market 101
influence on energy prices 125–126
position in the world 196
Chinese investment
in Africa 169
outward 167–169
in the United States 169–170
Chinese mayor 18, 206
choices of China
alternative possibilities 201–203
cost–benefit analysis of urbanization 186
path and feasibility 196–200
tough decisions facing Chinese leadership 189–196
worries about slowdown 183–186
choice of the rest of the world
balanced policy and long-term negotiation mechanism 210–211
benefits and costs 206–207
joining competition in Chinese domestic market 209–210
participation in China’s domestic market 207–208
understanding China 205–206
urging China to further open its domestic market 208–209
choking smog 83–84
chunyun 32–33
city
as an administrative division 1, 6–10
county-level 1
definition 1, 3
distribution of 95
extra-large 1
geographical distribution of 12–13
group 90, 181, 200
history 3–4
industrial 11
large 1
medium 1

233
China’s urbanization and the world economy

megalopolis 59–60
number of 2, 6–9, 92
poverty in 73–75
prefecture-level 1
scale structure of 192, 95–99
size distribution of 2, 10
small 1
spatial structure of 88–91
super- 17, 18, 80, 97, 104, 187, 198
system of 88–99
types of 10–12
city building movement 59–61, 98
CO₂-emission 126, 131
can
balance sheet 121
consumption 111, 113–115, 120–122
demand 120–122
domestic private investment in 116 and environmental issues 126
exports 122
imports 122
foreign investment in 116 for power plants 112
price of 114–115
production 113–115, 120–122
-related fatalities 122
reserves of 93, 120
can mine
economic reform 120–121
employment 120
collectives 41–44, 47, 69–70, 194, 197–198
construction
output value of enterprises in 112
and raw materials 112–113
consumption
automobiles see automobiles
catering services 26, 121, 156, 158–159
copper 112, 132–133
dairy 143, 149–150
education 161–162
energy see energy
future demand 140–163
grain see grain
health care 73, 161–163, 198
hotel see hotel
housing see housing
income and 120–142
meat see meat
steel 111, 127–132, 174
tourism 158, 159–160
corn 143–148
cost–benefit analysis
of China’s urbanization 186–8
of the rest of the world 206–207
crude oil
balance sheet 117
estimation 119
as a factor affecting world price 120
as fuel of electricity production 122, 124
price adjustment mechanism 126
price of 12
shares of the world demand 119
and state-owned firms 124
US 125
current account surpluses 173, 179
dairy 143, 149–150
debt 51, 53–55, 78, 98, 184, 194, 199
decisions facing the Chinese leadership
central–local government relations 193–195
China’s position in the world 196
east or west, location of cities 192–193
how fast should urbanization be 190
importance of urbanization 189
large or small cities 192–193
municipal government reform 193–195
political and social problems 195–196
rural land ownership and transaction 190–192
demand
for aluminum and copper 132–133
for automobiles 152–155
for coal 119–122
for consumer goods 104, 142–155
for crude oil 116–119
for electricity 122–124
for energy 113–116
for grain 143–149
for housing 150–152
for meat and dairy 149–150
-oriented economy 189, 206
for raw materials and capital goods 104, 111–136
for services 155–163
for steel 112, 127–132
structure changes in 107
Deng, Xiaoping 4, 7, 47, 103, 128, 195, 196
development
stages of 15–18, 189
and urbanization 15–17, 155, 174, 206
distribution
of income 185, 195, 214
of migrant worker among sectors 171
of urban household income 142
dwelling narrowness 67
economic growth 64, 80, 85, 99, 103–104, 113, 131, 135, 141, 152, 164, 177, 178, 183–185, 202–203
economic reform
and alternative roads 202
and behavior of local government 56
in coal mining 120–121
and consumer market 137
and education 161
and energy industry 114–116, 120–121
and government power 112
and Hukou 39–40
and infrastructural investment 56–62
intertwined economic and political reforms 213
and health care 162–163
and housing 62–63, 129, 150, 201
and land ownership 47–49, 191
and land regulations 42–44
and local public finance 49–54
and low-income housing 76–77
and macroeconomic impacts 176
and migration 39, 190
structural 177, 200
of tax 49, 50–52, 193–195, 197
and urbanization 7–9
and urban–rural separation 13
education
and economic reform 161
industry 161–162
of migrant and leftover children 75–76, 198
overseas 162
policy 161
spending 161–162
electricity
balance sheet 123
consumption 122–124
demand 124
and environmental issues 126–127
future projections 124–125
price 123–126
production 122, 169
reform 124
supply 123–125
employment
estimation of urban 170
foreign workers in China 172
job segmentation 36
migrant workers 93, 99, 105, 163, 170–171, 184, 190, 194, 206, 213
ownership structure of 36–38, 121
urban 35–37, 139, 170
energy
crude oil see crude oil, petroleum
electricity see electricity
and environmental issues 126–127
and foreign and domestic private economy 116
natural gas 113, 115, 116, 120
policy 118, 119, 126, 127
production 113
prices 114–115, 125–126
reform 114–116
environment
air and water pollution 83–84
and energy 126–127
policy 85, 119
pollution 79, 80, 83–84, 86
PM 2.5 particulates 84
regulation 85
estimates
basic assumptions 103–104
of crude oil 119
of energy consumption 125
of grain 148
China’s urbanization and the world economy

of natural growth rate of population 140
overall 103–107
of steel production and iron ore imports 131–132
of urban employment 170
exchange rate 176–177, 180, 200–201

factors, relocation 164–175
food rations 4, 8, 28, 71
forage grain 143–149
forced demolitions 68–69, 87
foreign and domestic private economy in automobile industry 153–154
in energy industry 116
foreign direct investment with different targets 165
in manufacturing 157, 165–168
regulation of 157, 163
sector distribution 166–167
in service sector 156–157
tax treatment on 209

global imbalances 197
government central–local government relations 49–51, 193–195, 199
competition among local governments 19, 56
intervention 13, 180
land and finance of local 49–55
municipal 44, 65, 69, 74, 81–83, 155, 193, 199
regulation 14, 81, 163, 190
requisition 16, 28, 42–44, 64, 71
role in urbanization 18–20, 211
simplifying the administrative examination and approval procedures 201

grain edible 143–146
estimation of 148
imports and exports 147–148
for industrial uses 143–144
policy 147
great famine 6, 22–23, 47
great leap forward 6, 22
great proletarian cultural revolution 7, 23, 25, 31, 33, 58
Guo Jin Min Tui 122

health care 73, 161–163, 198
hide one’s capabilities and bide one’s time 196
hotel boutique 157
industry 157–158
household responsibility system 4, 7, 47–48
housing bubble 63–67, 87
commercial residential 150, 151
construction 62–63, 68, 70, 78–79, 150–151
demand 151
investment 150
with limited property rights 69–70, 195

low-income 76–79, 150, 198–199
low-rent 76–78
policy 64–66, 76–79
reform 62–63, 129, 150, 201
regulation 65–66, 68, 69
related taxes 51, 65, 66, 194–195, 197, 199
Hu, Huanyong Line 88–89

Hukou and definition of urban population 5
experiments for reforming the system of 40
history of 29–34
reform of 39–40, 197–200, 212
registration 1, 5, 28, 30–31, 73, 187–189
system 9, 16, 23, 28, 29, 31, 39, 40, 46, 48, 99, 103, 142, 197, 198

income per capita disposable, in urban China 72, 140–142
per capita net, in rural China 140–142
and consumption 140–142
distribution 16, 48, 79, 137, 163, 179–180, 184, 186
personal 11, 20, 21, 50, 138–142
India 68
Index

industrialization  
policy of 13, 23, 28, 159, 166–167  
and urbanization 21–24, 128, 133,  
173–174  
inequality 71–73, 138, 213  
inflation 18, 65, 104, 174, 177–178,  
180, 181, 187  
infrastructure, history of 58–62  
investment platforms 51  
investment  
in Africa 169  
with different targets 165–166  
driven development 164  
infrastructure 62  
outward 167–169  
sector distribution of 166–167  
in US 169–170  
iron ore 131–132  
labor  
domestic 24, 170–171, 175, 184  
low-wage labor market 37  
markets 35–39  
migration see migration  
movement, international 171–172  
phenomenon of lack of migrant 38  
land  
clarifying ownership of rural 198  
compensation 43, 45, 46  
exchange markets 48  
history of regulation of 42–44  
leasing revenue 51, 53, 54, 64, 200  
and local government finance 41,  
49–55, 193, 199  
market 47–49  
ownership 41, 42, 47–49, 55, 188,  
190–192, 194, 197–201, 212–213  
policy 41–64, 191, 198  
regulation 42–44, 187  
requisition 44–46  
Land Administration Law 43, 45, 46  
legitimacy 183–184  
Li, Keqiang 113, 177, 185, 200  
Liconomics 200–201  
local government  
debt 51, 184  
incentives 8, 16, 39, 77  
and land price 43, 51  
reform 197–201  
and social unrest 86–87  
local public finance  
with debt and leasing revenue  
49–54  
and economic reform 49–54  
and land 49–55  
and social benefits 54–55  
macroeconomic impacts  
growth see economic growth  
inflation see inflation  
and policy 176, 177–180, 202, 210  
made for China 17  
manufacturing  
back to US 175  
cheap labor in 31  
Chinese overseas investment in 169  
export-oriented 15, 24, 38  
foreign direct investment in 157,  
165–168  
processed 11, 38, 104  
versus services 16, 21, 25–26, 131  
shift of 204–206  
Mao, Zedong 7, 47, 128  
McDonald’s 159  
meat see beef; mutton; chicken  
metro transit 134–135  
metropolitan regions 90–94, 99  
middle class 16, 141, 162, 185  
middle-income trap 185–86, 202  
migrant  
children 76, 198  
and consumer market 214  
and Hukou 198, 212  
population 98, 105  
public costs for 55  
workers 34–35, 93, 99, 105, 163,  
170–171, 184, 190, 194, 206, 213  
migration  
equation 105, 108,  
estimated 106, 110  
history of rural–urban 29–38  
international 171, 212  
labor 28–35  
reforms 39, 190  
regulation to control 5, 29, 171, 188,  
192–193, 201–202  
temporary 46, 73, 190  
and urbanization 9, 190  
mutton 149
China’s urbanization and the world economy

Nanjing Xiaguan imperial land 64–65
national treatments 209
new poverty in the cities 73–75
ownership see land; employment
Pearl River delta 24, 59–60, 91–92, 99
petroleum
balance sheet 117
production and imports 118
planned system 4, 6, 7, 22, 28, 42, 45, 76, 127–128, 159, 161, 162, 167, 172, 176, 192–193
PM 2.5 particulates 84
political and economic system 4
pollution
air and water 83, 181
CO₂-emission 126, 131
population
age distribution of 35
birth regulation 138
definition of urban 5
policy 138–140, 147
trends 138–140
urban 1, 2, 5–7, 8–9, 13, 17, 21–24, 28, 30–31, 35, 92, 98, 108–109, 139, 141, 151
pork 149
poverty
in the cities 73–75
rural 31, 47
private firms 26, 55, 159, 169, 170, 172, 177, 179, 194, 195, 209
price
of coal see coal
of crude oil see crude oil
ergy 114–115
electricity 125–126
manufacturing 178, 204
relative, capital and labor 172–175
of steel 128–129, 132
price system, dual 8, 128
processing trade 24, 165–166
property rights 47, 69, 194–195, 209
public goods and service 26, 28, 42, 51, 73, 98
public transportation 17, 80, 134–135, 155
Qin, kingdom of 18
rare earths 133–134
regulations
birth 138
on city size 10
to control migration 5, 29, 171, 188, 190–193, 201–202
environmental 85
foreign investment 157, 163
housing 65–66, 68, 69
Hukou registration 5, 28, 30–31, 187, 189
land 42–44, 187
transportation 80–83, 154–155
rice 143–149
roads, length of 61
rule of law 20, 189
Saoziying village 74–75
savings 56, 57, 139, 173, 179
seeds 143–146
service trade 157–158, 168
Shang, Yang 29
Shanghai 4, 10, 11, 12, 22, 23, 34, 40, 63, 65, 67, 80, 82, 88–92, 95, 97, 135, 150, 152, 153, 154, 159, 171, 194
Shanghai free trade zone 201
Shenzhen 11, 23, 38, 39, 59, 69–70, 93, 96, 134, 172
social benefits 42, 54, 73, 198, 199
social unrest 68, 79, 86–87, 187, 201
society 7, 19–20, 23, 25, 70, 71, 76, 78, 87, 97, 103, 137, 138, 144, 171, 180, 183–184, 187, 193, 202, 205, 208, 211, 212, 214
SOEs 23, 24, 25, 50, 62, 63, 65, 69, 85, 118, 120, 122, 123, 135, 147, 162, 166, 172, 176–177, 195, 209
state-owned enterprises 23, 30, 36, 50, 76, 85, 118, 147, 166, 169, 176, 195, 202, 209
Songzhuang village 49
Soviet Union 6, 12, 22, 25, 128, 152, 153, 183
soybean 143, 145–148
special economic zones 11, 23

Fan Zhang - 9781781001882
Downloaded from Elgar Online at 03/07/2019 09:15:14PM
via free access
Index

239

steel
backyard furnaces 128
consumption 111, 127–132, 174
demand 112, 127–132
and economic reform 127–129
prices 128–129, 132
production 127–132
trade 128, 132
strategic economic dialogue 210

tax
congestion 82–83
consumption 50–52
corporation 50–52
division 49, 50, 197
housing property related 51, 65, 66, 194–195, 197, 199
land-related 99, 51–52, 99
personal income 50–52, 66
reform 49, 50–52, 193–195, 197
security 50
treatment on foreign firms 209
value-added 50
taxi 36, 80–81, 186
Ten Mile River 26–27
tertiary sector 155–156
tourism 158, 159–160
trade
export-oriented manufacturing 15, 24, 104, 165–166
grain 147
meat 149
retail 156, 171
service 157–158, 168
of steel 128, 132
surplus 180
traffic
cars 17, 80–84, 118, 137, 152–155
congestions 13–14, 26, 79, 80–83, 94, 120, 154, 181, 186–187, 192
congestion tax 82–83
online ticket purchasing system 33
policy 81–83, 134
regulation 80–83, 154–155
safety 81
trial and error approach 197

unemployment
pool 37–38
rate 38
urban 105, 108, 187
urban
construction 59, 98–99, 214
labor markets 35–39
population 1, 2, 5–7, 8–9, 13, 17, 21–24, 28, 30–31, 35, 92, 98, 108–109, 139, 141, 151
urbanization
aspects of 9–13
anti- 18
challenges to 13–15, 76, 204, 214
development and 15–17, 155, 174, 206
human part of 212
and migration 9, 190
negative effects of 13
and new poverty in the cities 73–75
partial 39
other problems in 80–87
in planned period 5–7
ratio 5, 6, 7, 8, 9, 22, 23, 24, 25, 31, 9
2, 95, 105, 108, 151
road map and logic of 15–20
role of government in 18–20, 211
role in China’s development 15–18
social aspects of 71–79
speed of 188, 190, 193
stagnated 201, 202
urban–rural inequality 72
US
Chinese investment in 169–170
embassy in Beijing 84
utility and city size 188
villages within the cities 74–75
wage
average 36, 38
difference 36–37
minimum 172
wheat 143–149
World Trade Organization 15, 24, 118, 130, 134, 160, 185, 209
Wu, Jingli 202
Xi, Jinping 104