Index

Abdel Latif, A. 69
Abedini, J. 41
Abener 218
Abu-Bader, S. 205
Abu Dhabi Declaration of
Environment and Energy 170
Abu-Qarn, A.S. 205
adjusted net savings 160–62
Aguayo-Tellez, E. 112
Al-Atrash, J. 38
Albania 5
Algeria
innovation strategy 222
natural gas exports 182
renewable energy 190
Almeida, H. 117
Arab Declaration on Environment
and Development and Future
Prospects 170
Arab Declaration to the World Summit
on Sustainable Development
172
Arab Economic Summit 14
Arab Initiative for Sustainable
Development 170–71
Arab Ministerial Declaration on
Climate Change 172
Arab Spring 1, 2–3
Gulf monarchies’ response 17–24
impact on energy sector 200–201
Arvanitis, R. 206
Asia Pacific countries, trade with
MENA countries 63
Association status with EU, MENA
countries 37, 65–6, 67–8
Awadallah, B. 206
backward linkages 88, 94
Balkan nations 5–6
Bannister, G.J. 39
Barbieri, K. 48
BBTC (brain-based technological
change) and female labour 111–12
Benchmark gravity model 48, 51, 62–4
Bhattacharya, R. 40
biofuel targets, EU 188, 189
Bolbol, A. 81
Boukhars, A. 20
Bouoiyour, J. 82–3
brain-based technological change and
female labour 111–12
business constraints and gender 126,
130–35
CAMRE (Council of Arab Ministers
Responsible for the Environment)
170
carbon dioxide emissions 147–52
CDM (Clean Development
Mechanism) 165–9
CDMEDI project 168
CDS (credit default swap) 12
CEPII data set 48–50
Chaffai, M. 83
Clean Development Mechanism
(CDM) 165–9
Clean Technology Fund 190
climate change 141–73
contribution of MENA region
143–52
environmental initiatives 170–72
impact on MENA region 141–3
Kyoto Protocol 165–9
Climate Change Convention
ratification 165–6
Climate Change Dialogue 2007 (G8+5)
169
CMI (Marseille Centre for
Mediterranean Integration) 224
CO2 emissions 147–52
coal production, Mediterranean
countries 184
comparative advantage, female labour-intensive industries 119–26
Conference on the Environment from an Islamic Perspective 170
conflicts
impact on trade 50, 64, 68–9
Middle East 4
constraints to business 126, 130–35
consumption, energy 143–6, 187
cooperation, energy sector 194–9
Correlates of Wars (COW) data 50
Council of Arab Ministers Responsible for the Environment (CAMRE) 170
current account balance, MENA region 10
customs union theory 40
Desertec industrial initiative (Dii) 199
differential treatment of women in labour market 107–9
impact of trade liberalization 112–14
diversification, economic 159–62
Do, Q.T. 113, 117, 118, 119, 123
Dunning, J.H. 88
Eaton, J. 50
economic diversification 159–62
economic growth, see growth
economic impact of EU policies on MENA countries 157–64
economic trends, MENA region 6–15
Egypt
environmental performance 153
FDI 23–4, 80, 81–2, 84–5, 89–90
financial aid from Qatar 23–4
innovation policy 220
political situation 3
renewable energy 185–6, 190–91
and Saudi Arabia 21–2, 23
total factor productivity and FDI inflows 82
Ekholm, K. 69
Elbadawi, I. 67
electricity sector cooperation, Mediterranean region 196–8
employment
and inward FDI 79–100
women, see female labour participation
energy consumption 143–6, 187
energy policies 187–94
EU 187–9, 194–5
fossil fuel subsidies 192–4
renewable energy 187–91
energy production 180–87
energy efficiency policies 162–3
energy sector 179–202
cooperation initiatives 194–9
innovation projects 218
as source of GCC revenues 28–32
entrepreneurship, female 110–11, 126–37
Environment Agency of Abu Dhabi, Sustainability Management Report 171
Environment from an Islamic Perspective, First Conference on 170
environmental initiatives 170–72
Environmental Performance Index (EPI) 153
environmental policies, EU, and MENA countries 157–64
Erickson von Allmen, U. 39
European Union 5–6
Association status 37, 65–6, 67–8
energy sector policies 187–8, 194–5
environmental policies, impact on MENA countries 157–64
innovation cooperation programmes 219, 225–6
trade with MENA countries 63
Expanded Gravity model 48
Fakir, I. 20
FDI, see foreign direct investment
Feed-in Tariff 187
female entrepreneurship 110–11, 126–37
female labour content of exports 117–19
female labour participation 106–37
and brain-based technological change 111–12
and comparative advantage 120–26
discrimination 107–11
and job mobility 114
and trade liberalization 112–14
financial aid from GCC to Arab Spring countries 22–4
financial support for innovation 208–9
flexible mechanisms, Kyoto Protocol 165–9
flexicurity 67
Fokker Elmo 218
foreign direct investment (FDI) 10–12
and employment creation 79–100
enterprise characteristics 87–8, 89–92
from GCC countries 22–32
and productivity 81–4, 89–90, 94–8
source country and on productivity 94–5, 98
spillover effects 80–84, 92–8
technology-oriented 209–10
foreign enterprises 87–8, 89–92
forward linkages 88
fossil fuels
cooperation initiatives 195–6
production 181–4
subsidies 192–4
France Telecom Group 218
G8+5 Climate Change Dialogue 2007 169
G.h.o.st (Global Hosted Operating System) 217–18
GAFTA (Greater Arab Free Trade Association) 36–7, 41, 62, 66
gas pipelines 195–6
gas production 181–4
Gayle, G.-L. 114, 135
GCC, see Gulf Cooperation Council countries 17–33
GDP growth, GCC countries 32
gender
and business constraints 126, 130–35
and hiring practices, Jordan 127–30
and labour participation 107–14
genuine savings 160–62
Ghali, S. 83
Global Hosted Operating System
(G.h.o.st) 217–18
gravity models of trade 38–41, 48–65
Greater Arab Free Trade Association
(GAFTA) 36–7, 41, 62, 66
Green Certificate 187
greenfield investment
and employment 80, 82
and productivity 98
growth
GCC countries 32
GCC countries role in MENA region growth 17, 24–32
and intra-regional trade 40
MENA region, 6, 24–32, 204–6
Gulf Cooperation Council (GCC) countries 17–33
and Arab uprisings 17–19
climate change impact 143
CO₂ emissions 147
economic growth 32
economic role in Southern Mediterranean 24–32
energy consumption 144
energy production 143
and EU environmental policies 157–8
financial aid to Arab Spring countries 22–4
and intra-regional trade 62
renewable energy 168
under-trading 64
Haddad, M. 82
Harrison, A. 82
Head, K. 48
heating systems, renewable energy 189
high-tech exports percentage 209
high voltage direct current transmission links 196–7
hiring practices and gender, Jordan 127–30
Hirschman, A. 88
Huntington, S. 1–2
HVDC (high voltage direct current) transmission links 196–7
IMF World Economic Outlook 2002 39
industry sectors
CO₂ emissions 147–52
energy consumption 144–6
FDI effects on productivity 95
inflation 10
innovation performance, MENA countries 204–26
international trade, see trade
intra-regional trade, MENA region 38–41, 47, 55–62, 64
Iqbal, F. 39
Iran
natural gas production 181–2
and Syrian crisis 19
Iraq, natural gas production 184
Israel
conflict, impact on MENA region trading 68, 69
environmental performance 153
G.h.o.st 217–18
high-tech exports 209
and Palestine 4, 217–18
renewable energy 186, 191
JCEDAR (Joint Committee on Environment and Development in the Arab Region) 170
JNCT (Jordan National Competitiveness Team) 221
job mobility and female labour participation 114
JODI (Joint Oil Data Initiative) 173
Joint Committee on Environment and Development in the Arab Region (JCEDAR) 170
Joint Oil Data Initiative (JODI) 173
Jones, T.C. 19
Jordan
and France Telecom Group 218
and GCC membership 20–21
hiring practices and gender 127–30
innovation policy 220–21
Jordan National Competitiveness Team (JNCT) 221
KAM indicators 212–15
Kamaly, A. 82
Knowledge Economy for Growth and Employment in MENA program 224
Knowledge Economy Index (KEI) 212–13
Knowledge Index (KI) 212
Kosovo 5
Kyoto Protocol 165–9
labour market policies 66–7
labour participation, female, see female labour participation
labour productivity, see productivity
Leamer, E.E. 38
Lemi, A. 82
Leonardi, M. 120
Levinsohn, J.A. 38
Li, Y. 67
liberalization of labour laws 66–7
Libya 3
natural gas production 183–4
Loayza, N. 67
M’Henni, H. 206
Macedonia 5
Maghreb region, under-trading 64
Malik, A. 206
Marseille Centre for Mediterranean Integration (CMII) 224
Mashreq region, over-trading 64
Massoud, N. 81–2
MAWRED business incubator 220
Mayer, T. 48
MEDENER Network 168
Medgrid 198–9
Medibtikar project 219–20
Mediterranean countries
climate change impact 141–3
coal production 184
energy consumption 144, 187
energy production 180–81
energy sector cooperation 194–9
and EU environmental policies 157, 187–9
renewable energy 167–8, 184–6, 187–9
Mediterranean Innovation and Research Coordination Action (MIRA) 223
Mediterranean Renewable Energy Program (MEDREP) 167–8
Mediterranean Solar Plan 198–9
Mediterranean Strategy for Sustainable Development (MSSD) 168
MEDREP (Mediterranean Renewable Energy Program) 167–8
MENA region
and climate change 141–73
conflict and trade 68–9
economic trends 6–15, 204–6
energy consumption 143–6
energy sector 179–202
environmental performance 153
EU Association status 67–8
and EU environmental measures 157–64
female entrepreneurship 110–11, 126–37
female labour participation 107–10, 117–26
fossil fuel production 181–4
GCC countries role 17–33
innovation 206–26
labour market policies 66–7
political overview 1–4
renewable energy 185–7, 189–91
trade 35–69
trade policies 65–6
MENAREC (Middle East/North Africa Renewable Energy Conferences) 172
Mexico, trade liberalization and female labour participation 112
Middle East, political situation 2–3
Middle East/North Africa Renewable Energy Conferences (MENAREC) 172
Militarized Interstate Disputes data set (MIDB) 50
Miniesy, R. 39
Ministry for Planning and International Cooperation (MoPIC), Jordan 221
MIRA (Mediterranean Innovation and Research Coordination Action) 223
Montenegro 5
MoPIC (Ministry for Planning and International Cooperation), Jordan 221
Morocco
FDI and employment generation 80
FDI inflows 84–5
FDI and productivity 82–3, 89–100
foreign affiliates 86–7, 89–92
and GCC membership 20–21
high-tech exports 209
innovation policy 221–2
renewable energy 186, 191
MSP (Mediterranean Solar Plan) 198–9
MSSD (Mediterranean Strategy for Sustainable Development) 168
Nabli, M.K. 39, 206
natural gas production 181–4
North Africa, political situation 2–3
nuclear energy production 184
Nugent, J.B. 67, 69
oil consumption 144–5
oil exports and under-trading 56–7, 57–8
oil revenues, GCC countries 28–32, 160
ownership structure of foreign affiliates 86–7, 87–8
Palestine 4
G.h.o.st 217–18
patenting activity 210
Paving the Way for the Mediterranean Solar Plan 198
peace initiatives and trade 68–9
per capita energy consumption 144–5
per capita income 6
Peridy, N. 41
pipeline infrastructure 195–6
Plane, P. 83
Planning and International Cooperation Ministry (MoPIC), Jordan 221
political situations 1–2
post-Kyoto negotiations 169–70
prices, energy
impact of Arab Spring 200–201
and energy efficiency 162–3
productivity
and FDI 81, 82–4, 92–100
measurement 87
Qatar
financial aid to Arab Spring countries 23–4
Index

sustainable development initiatives 170–72
Syria 4, 19
innovation policy 220
Talbot, V. 18
Tamura, A. 50
technical assistance programs, EU 67–8
technology centres 207–8
Tunisia 211
technology-oriented FDI 209–10
Tenreyro, S. 50
total factor productivity and FDI inflows, Egypt 82
tourism, impact of climate change 141–3
trade 35–69
comparative advantage and female labour 120–26
and empowerment of women through employment 135–6
female labour content of exports 117–19
and gender 106–37
world trade trends 41–7
trade agreements 35, 36–7, 65–6
trade liberalisation and female labour 112–14
trade policies 65–6
Trionfetti, F. 122
Tunisia
employment by foreign companies 80
environmental performance 153
FDI inflows 84–5, 217
FDI and productivity 89–100
FDI spillovers 83
financial aid from Qatar 24
foreign affiliates 87, 89–92
high-tech exports 209
innovation policy 222
renewable energy 186, 191
Stonesoft Corporation 217
technology centres 211
Turkey, Fokker Elmo investment 218
UAE, see United Arab Emirates
under-trading among MENA countries 38–65

and Libya 18–19
natural gas production 182
R&D expenditure 206
Rees, R. 113
regional cooperation, energy sector 194–9
renewable energy 163–4, 184–7
cooperative developments 197–9
policies 187–91
research and development expenditure 206
resource endowment
and extra-region under-trading 62–3
and intra-region under-trading 57–8
Rezgui, S. 83
Ries, J. 48
Riezman, R. G. 113
riots, North Africa 2–3
Sadik, A. 81
Saudi Arabia
and Egypt 21–2, 23
renewable energy policies 191
response to Arab Spring 19
Sauré, P. 113
sectors, industrial, see industry sectors
Serbia 5
SETP (Social and Economic Transformation Program) 221
Silva, J. 50
Smarzynska, B. 81
Social and Economic Transformation Program (SETP) 221
Software Quality Systems (SQS) 217
solar energy 198–9, 218
Southern Europe, political situation 4–6
spillover effects of FDI 79–100
measurement 88–9
modelling 92–3
SQS Software Quality Systems 217
start-ups 208
Stonesoft Corporation 217
subsidies
on fossil fuels 192–4
promoting renewable energy 187
Sustainability Management Report, Environment Agency of Abu Dhabi 171
unemployment, MENA region 6–8
Union for the Mediterranean (UfM) 198
United Arab Emirates
    business start-ups 208
    environmental performance 153
    FDI outflows 25–8
    renewable energy 186–7, 191
United States, trade with MENA countries 63–4

Véganzonès-Varoudakis, M. 206
venture capital 208–9
vertical spillovers from FDI 81, 88
Viner, J. 40

Wolde, H. 40
Wolfenzon, D. 117

women
    and employment, see female labour participation
    and entrepreneurship 110–11, 126–37
World Bank
    analysis of MENA innovation systems 223
    renewable energy projects 190
World Development Report 2012 106
World Economic Outlook 2002 39
world trade
    MENA under-trading 62–4
trends 41–7
Wu, Y. 67

Yousef, T.M. 38
Zoabi, H. 113