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Distr.
GENERAL

E/ESCWA/SDPD/2011/2
19 September 2011
ORIGINAL: ARABIC

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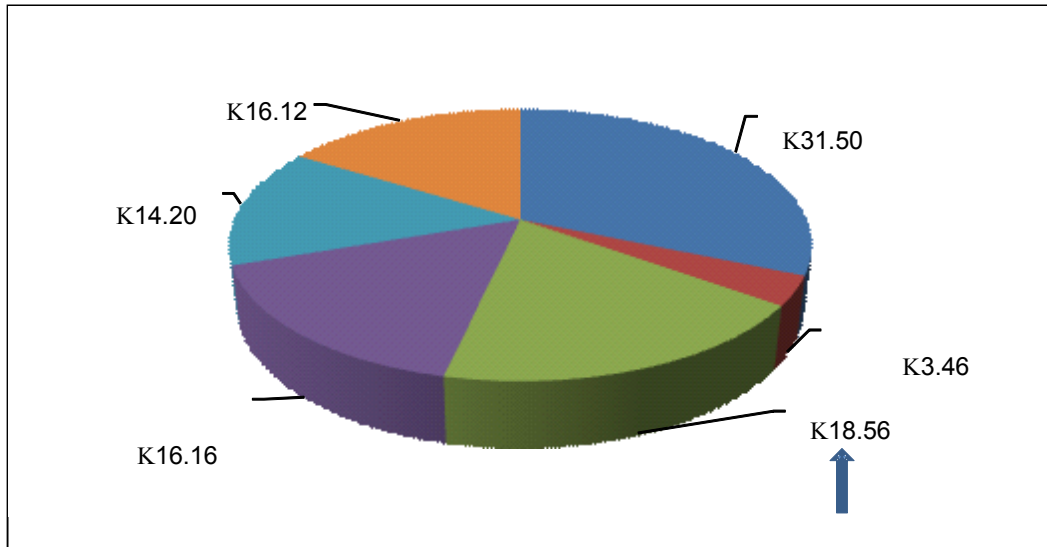
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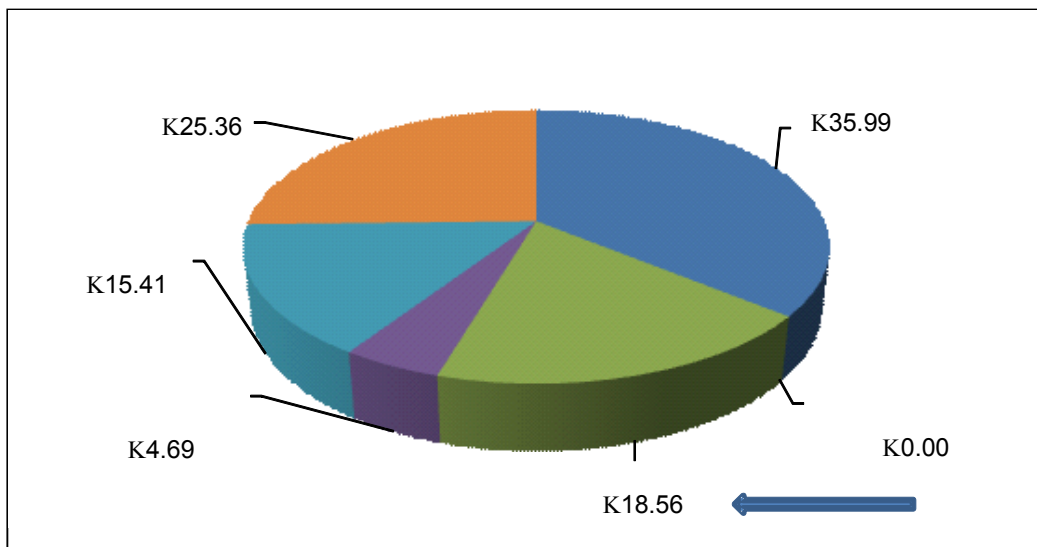
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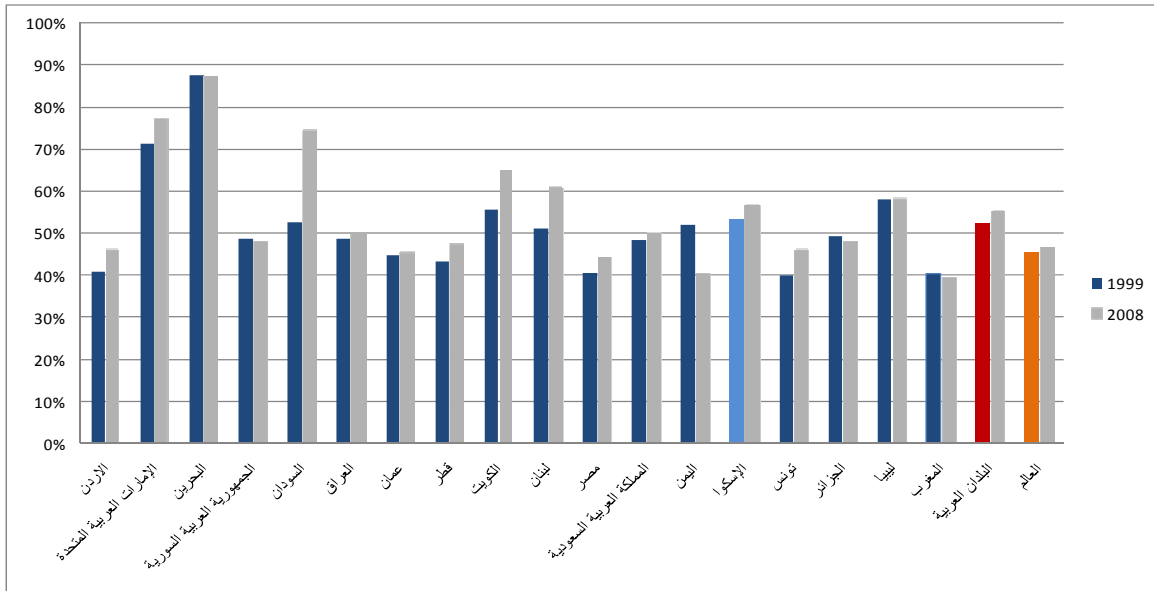


.2010

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70 50 3 90 2008 1999

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.42 (2)

.UNECE. Centre for Institutional Transport Agreements (3)

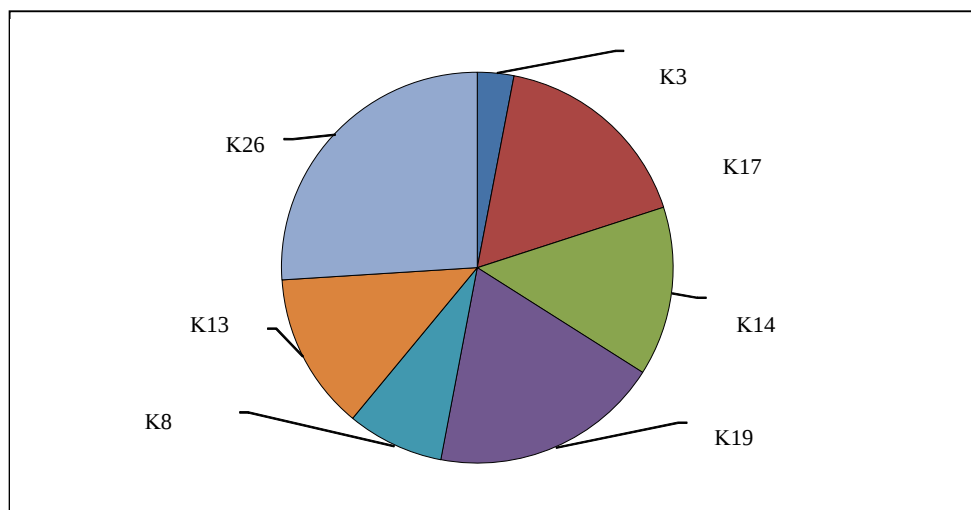
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.World Bank, 2010, World Development Support : _____

.European Commission, 2009 (4)

.World Bank, 2008b, p. 42 (5)

.UNEP, 2008 (6)

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	_____ UNECE, 2011a (*)

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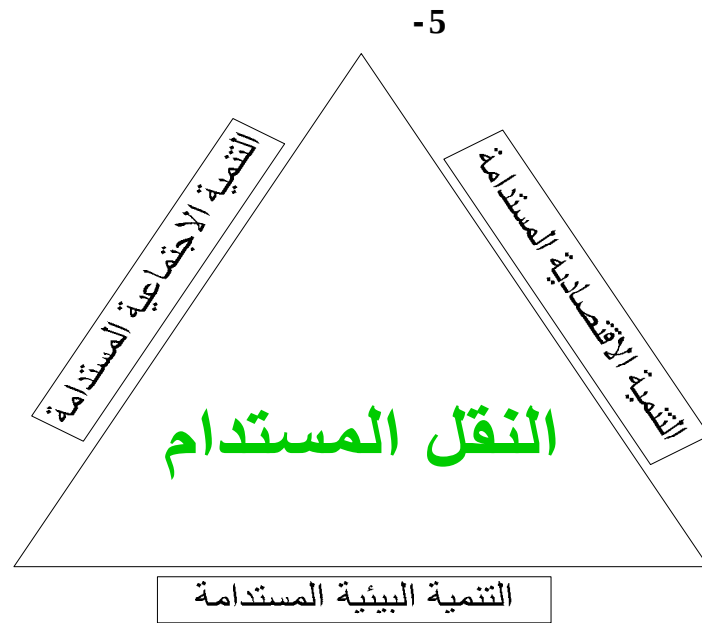
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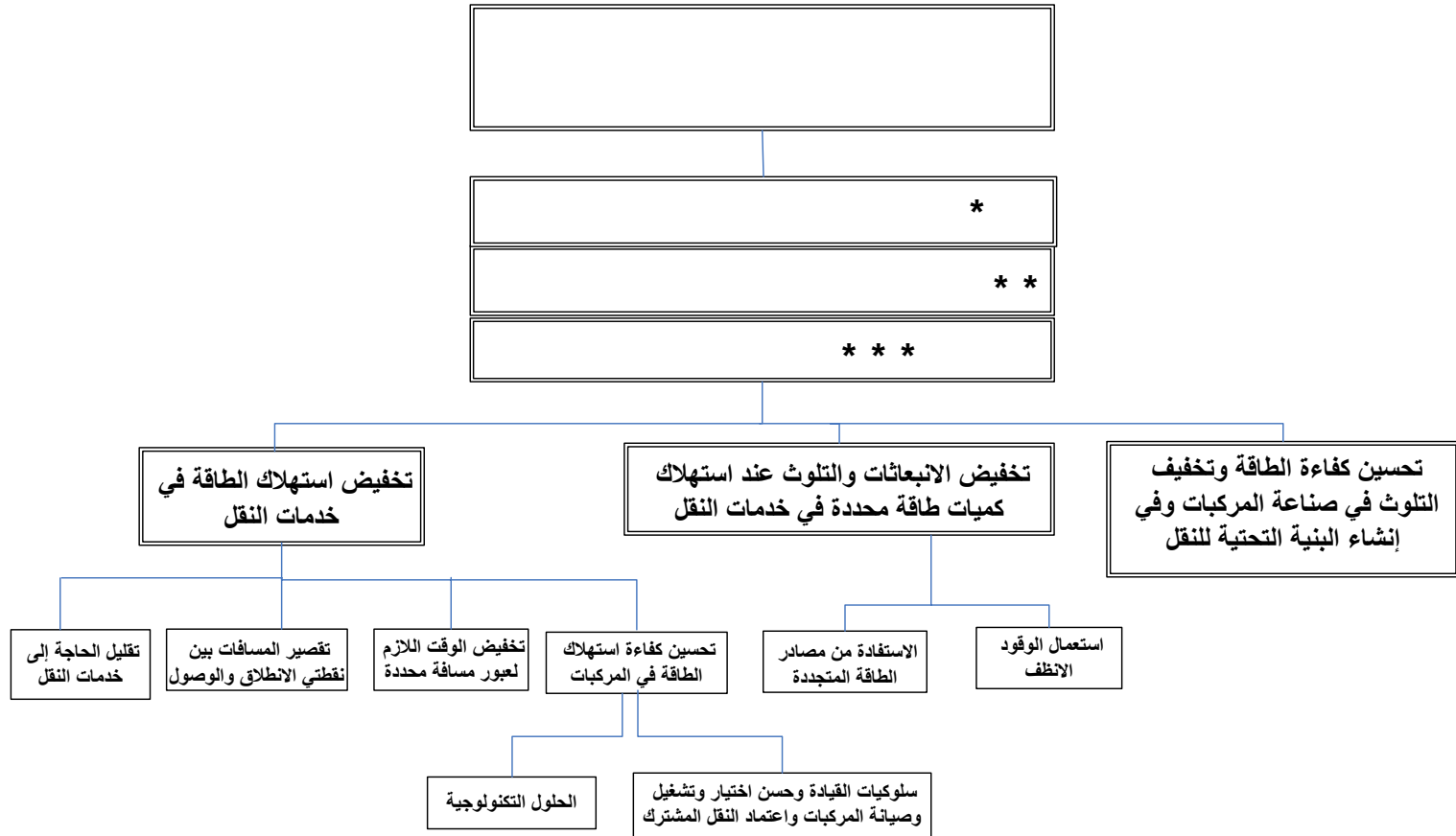
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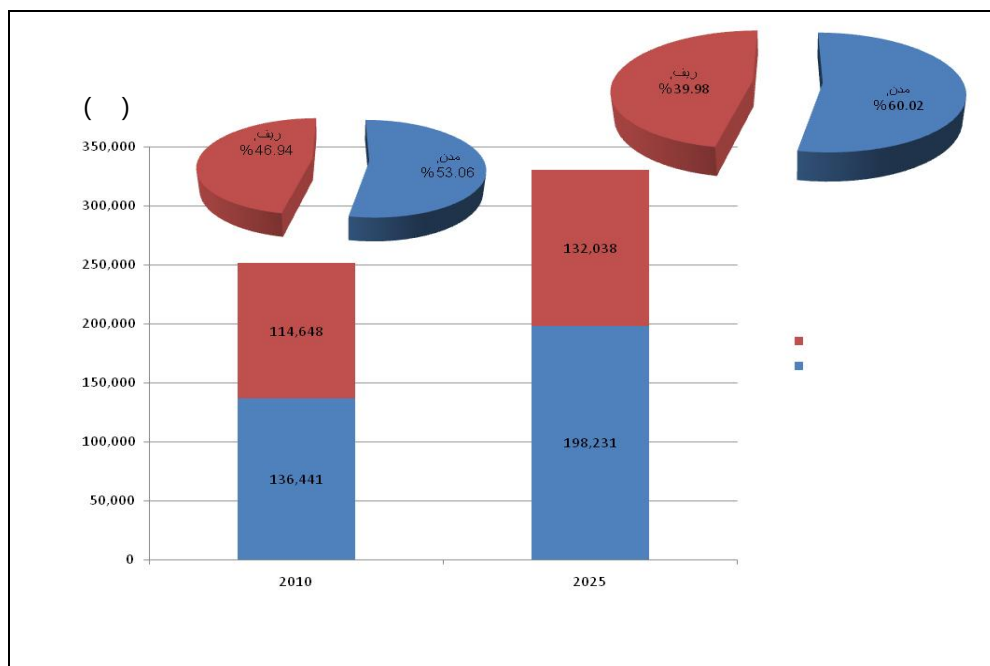
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.IEA, 2009a, p. 197 (14)

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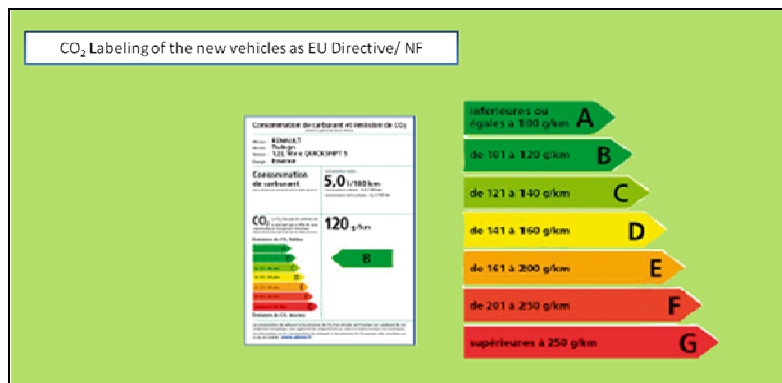
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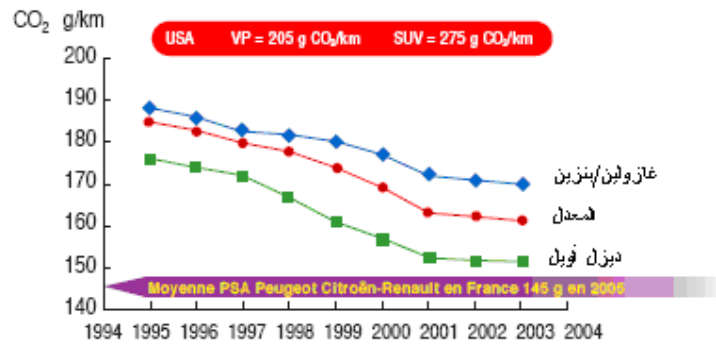
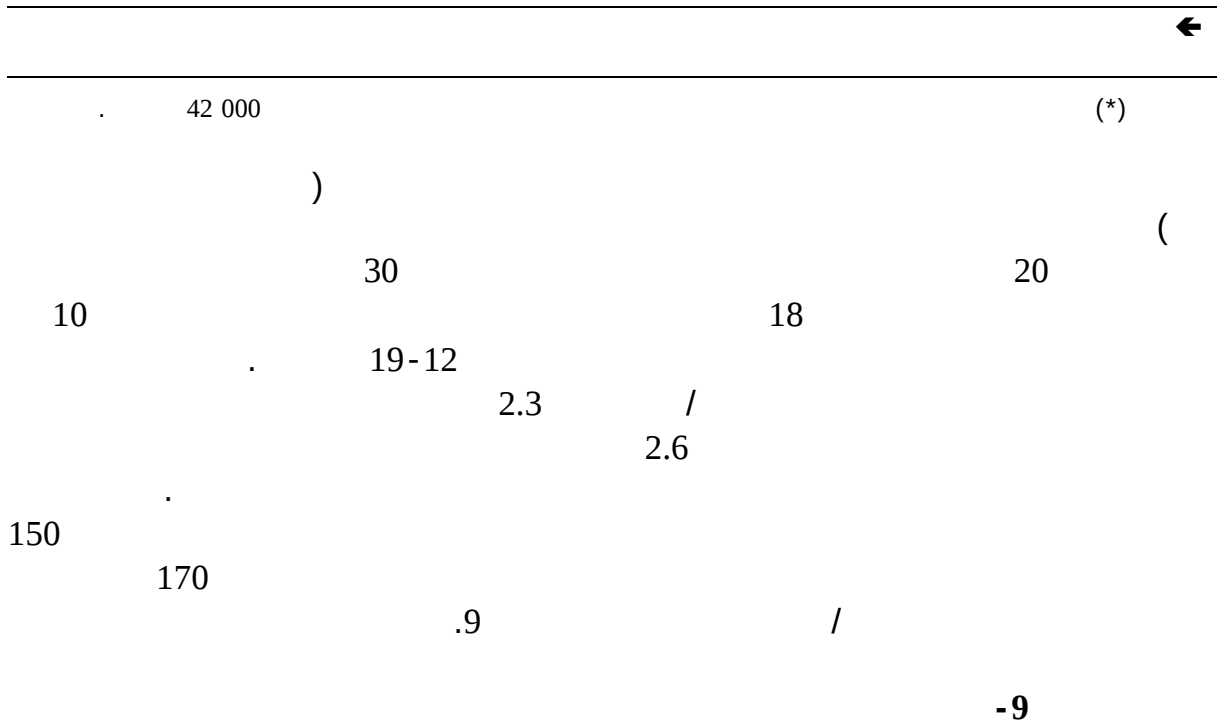
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.CCFA, 2006, p. 1 : _____



.CCFA, 2006, p. 5: _____

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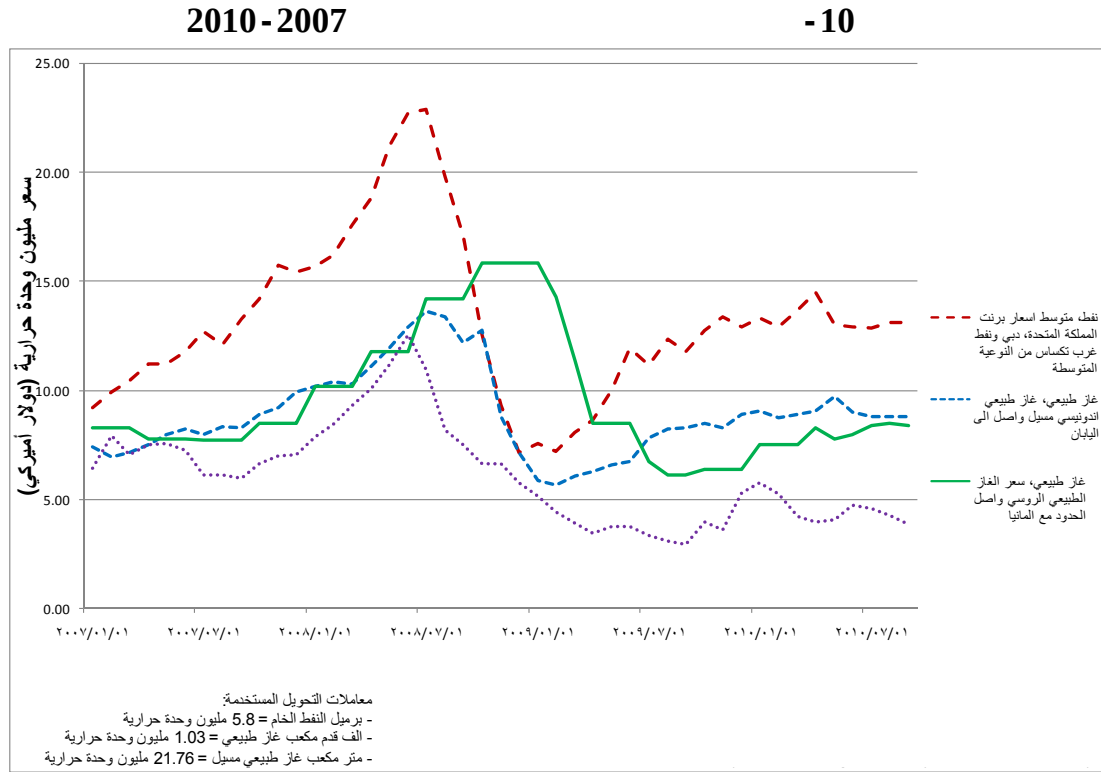
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.Kehler, T., 2011 (17)

.Mariani, F., 2011 (18)

.2005 (19)



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15	25	CO ₂
99.6	35	

: Kehler, T., 2011

2009 (20) .62

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(spark plugs)

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(compression ratio)

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(Compressed natural gas-CNG)

(Liquefied natural gas-LNG)

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154 2011 /
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(CNG cylinder) (1)

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(regulating valve) (3)

(solenoid valve) (4)

(filling valve) (5)

(pressure gauge and gas meter) (6)

(gas mixer) (7)

.(gasoline/CNG switch) (8)

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" ") (1)

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(piston) (2)

11 18 (compression ratio)

(spark plugs) (cylinder head) (3)

(cam shaft) (4)

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(steel) (1)

(composite steel) (2)

(aluminum composite) (3)

(all composite) (4)

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(gun test)

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1.5 42 2008 2000 10
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.IEA, 2009a (23)

.REN21, 2011, p.13-14 (24)

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1		98-92	42.7	0.76	/
0.65		100	26.8	0.79	
1	50	-	42.7	0.84	
(*)0.91	56	-	37.1	0.88	
1.4	-	130	50	0.72	

.Rutry, D. and Jansen, R., 2007, pp. 55, 89, 114 : _____

29 27 (*)

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80	55	NOx
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98	-	
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.Rutry, D. and Jansen, R., 2007, p. 117 : _____

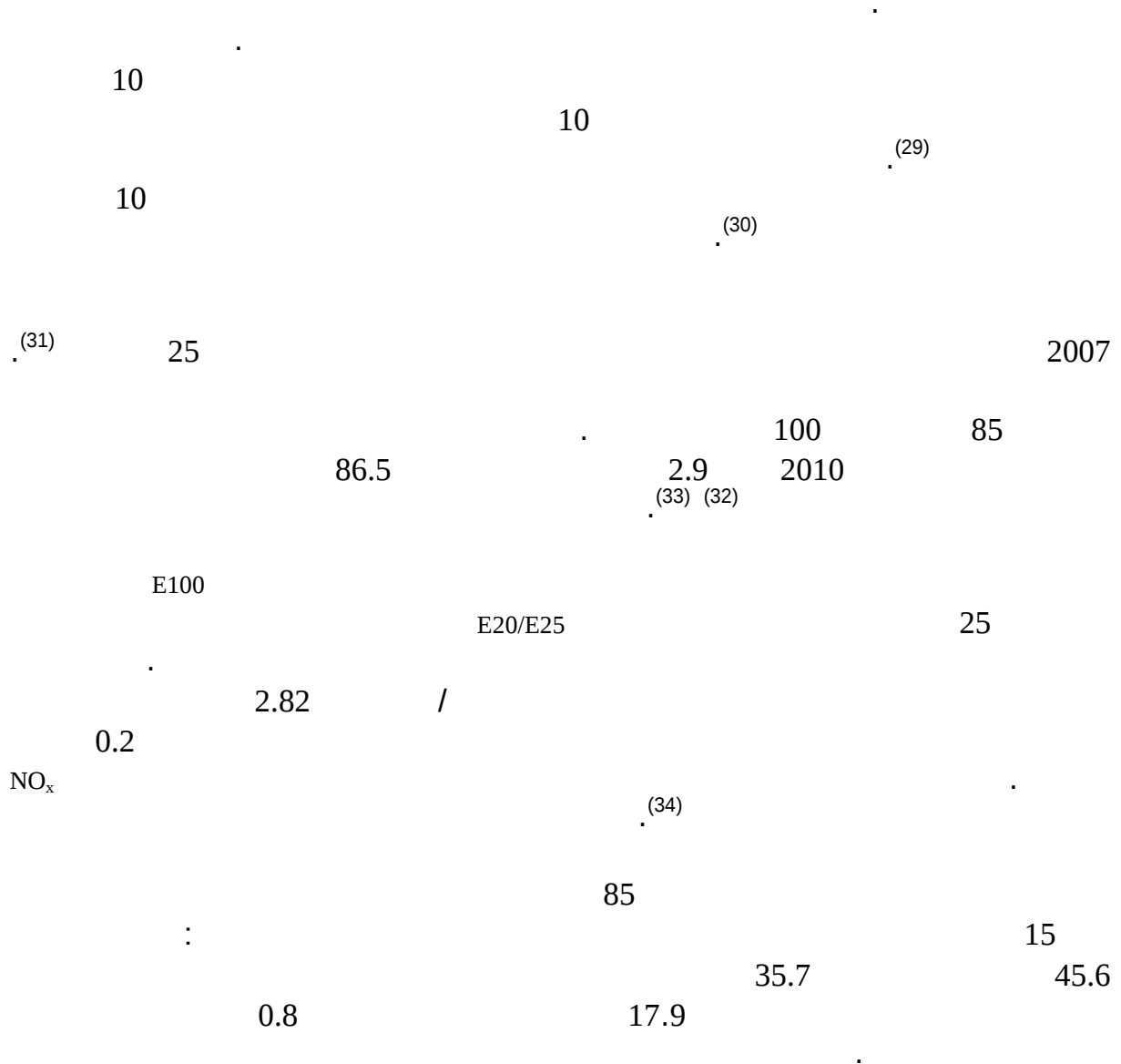
85-70-25-20-10-5

E5- E10- E20- E25- E70- E85-

FFV Flexible Fuel Vehicles
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.E100

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.The Royal Society, 2008, p. 35 (29)

.6 2009 (30)

.2007 (31)

.EurObserv'ER, 2011, p. 92 (32)

(33)

.Mandil, C. and Shihab-Eldin, A., 2010, p. 23 (34)

((35))

.(cassava) (Jatropha)

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.() 2010 : (35)

.Chisti, Y., 2007, pp. 296-306 (36)

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BP Alternative Energy

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.BP Alternative Energy, 2008 (37)

.Mandil, C. and Shihab-Eldin, A., 2010, pp. 28-29, 39-42 (38)

(	)	0.30	2008	(OECD)
(2006	)	0.26		1.25
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$$\frac{0.55 \times 2010}{0.55 \times 2030 + 0.8 \times 2010}$$

2008

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.Rutry, D. and Jansen, R., 2007, pp. 63-95 (39)

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(sweet sorghum)

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.Rutry, D. and Jansen, R., 2007, pp. 63-95 (42)

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bifuel (
dual fuel
(43)((LNG) (CNG)
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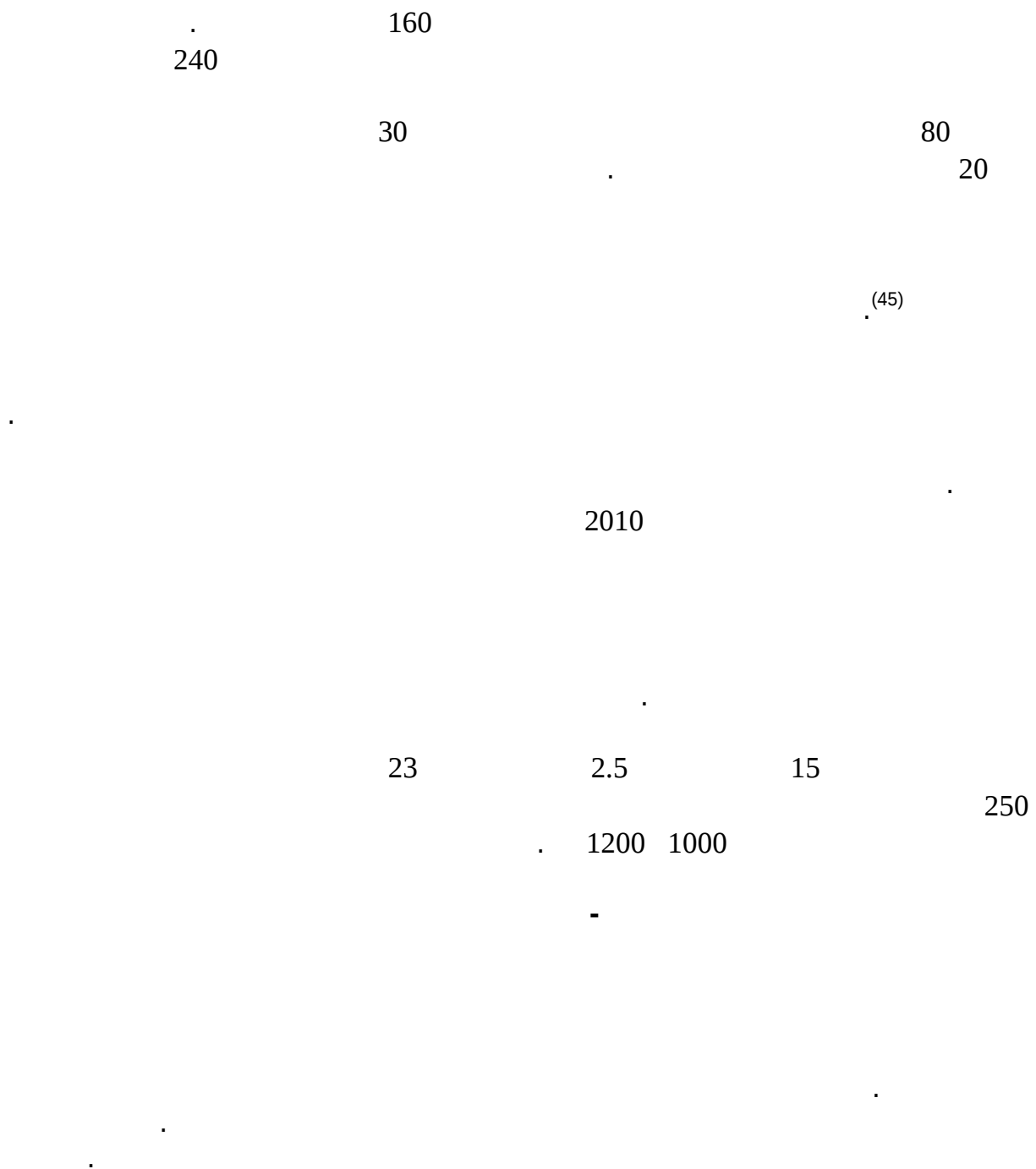
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(Series Hybrid Electric Vehicles)

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(Parallel Hybrid Electric Vehicles)

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.Aropida Word Press, 2011 ⁽⁴⁷⁾

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(Electrolyte –)

(catalyst)

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(Ballard Power Systems)
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2012-2010 300
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2015-2013 4 200
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(Global Environment Facility-GEF)

.Wikipedia, 2011 (49)

.Rose, R., 2011 (50)

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$$\frac{3}{4} \div \frac{6}{8} = \frac{3}{4} \times \frac{8}{6} = \frac{2}{1} = 2$$

:(Turbo-Charging) _____ ()

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(52)(McKinsey & Company)

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:(Navigation System) ()

GPS Global Positioning System

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.UNECE, 2011c (51)

.McKinsey & Company, 2010 (52)

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^(*) 3.3-	7.9	2009	^(*) 2 307	1 645	^(*) 2 632	1 210	^(*)
4.4	7.1	2010	1 557	588	1 253	417	
17.2	12.3	2010	807 440	1 847 048	364 527	1 034 162	
15.9	9.1	2010	1 634	1 078	779	696	
7.6	6.5	2010	42	1 160	29	847	
3.7	3.9	/2006 2007	226	2 722	210	2 521	
8.1	7.2	2010	15 083	17 902	10 179	12 614	
^(**) 64.4-	5.3	2008	^(**) 111	1 496	^(**) 2 449	1 281	^(**)

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10.6	2010	1 059	638	
12.8	2009	731	451	
3.1	2009	2 543	2250	
14.4	2009	1 331	776	
10.5	2010	1 013	615	/
-	2010	586	-	
8.7	2011	5202	3 155	
5.8	2010	232	175	
6.5	2010	1 589	1 158	
6.5	2007	3 239	2 857	

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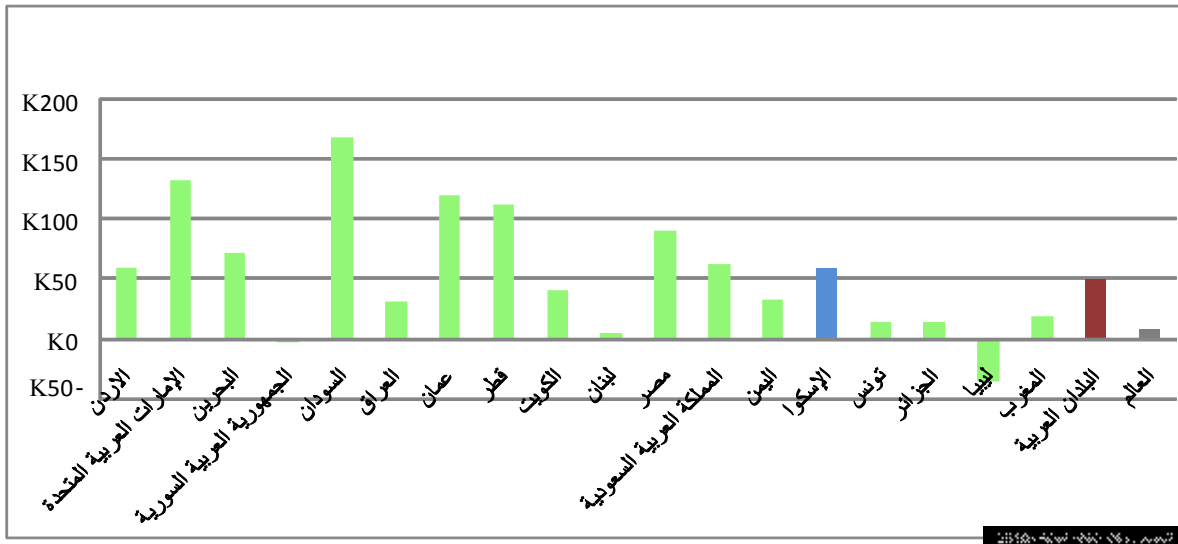
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6.87	6.111	2010	1 059	6.472	8.724	638	5.566	
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0.93	12.091	2009	2 543	30.747	12.550	2250	28.238	
9.60	16.458	2009	1 331	21.906	24.640	776	19.121	
.	4.957	2010	586	2.905	.	.	2.618	
7.58	5.045	2010	5202	26.246	7.484	3 155	23.613	
2.43	19.004	2010	232	4.409	21.497	175	3.762	
5.35	2.678	2010	1 589	4.255	3.525	1 158	4.082	
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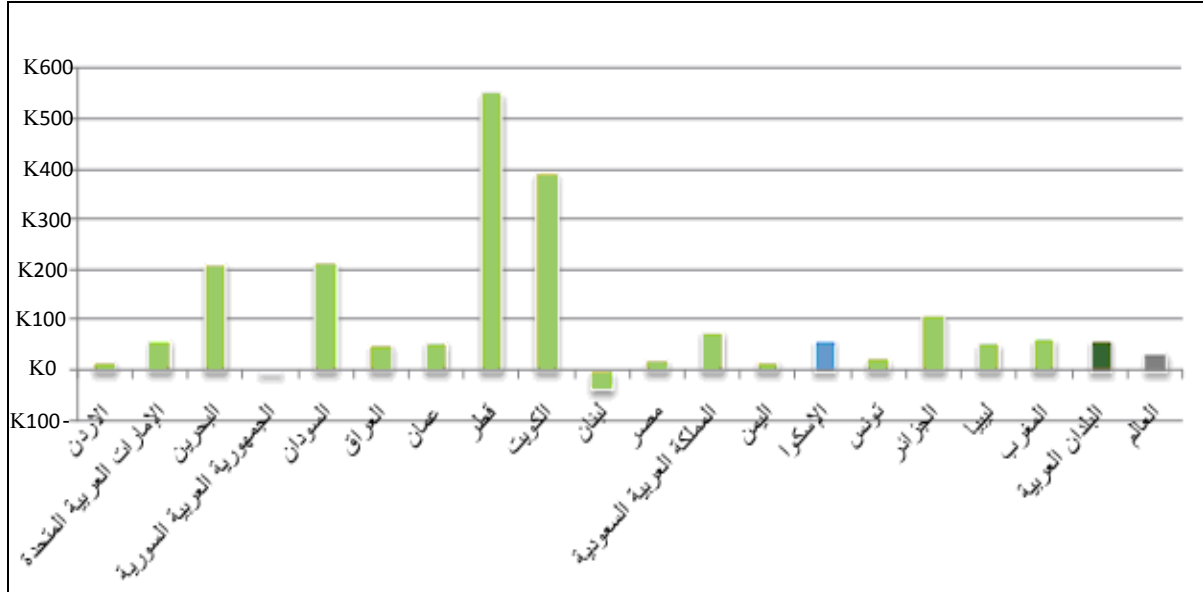
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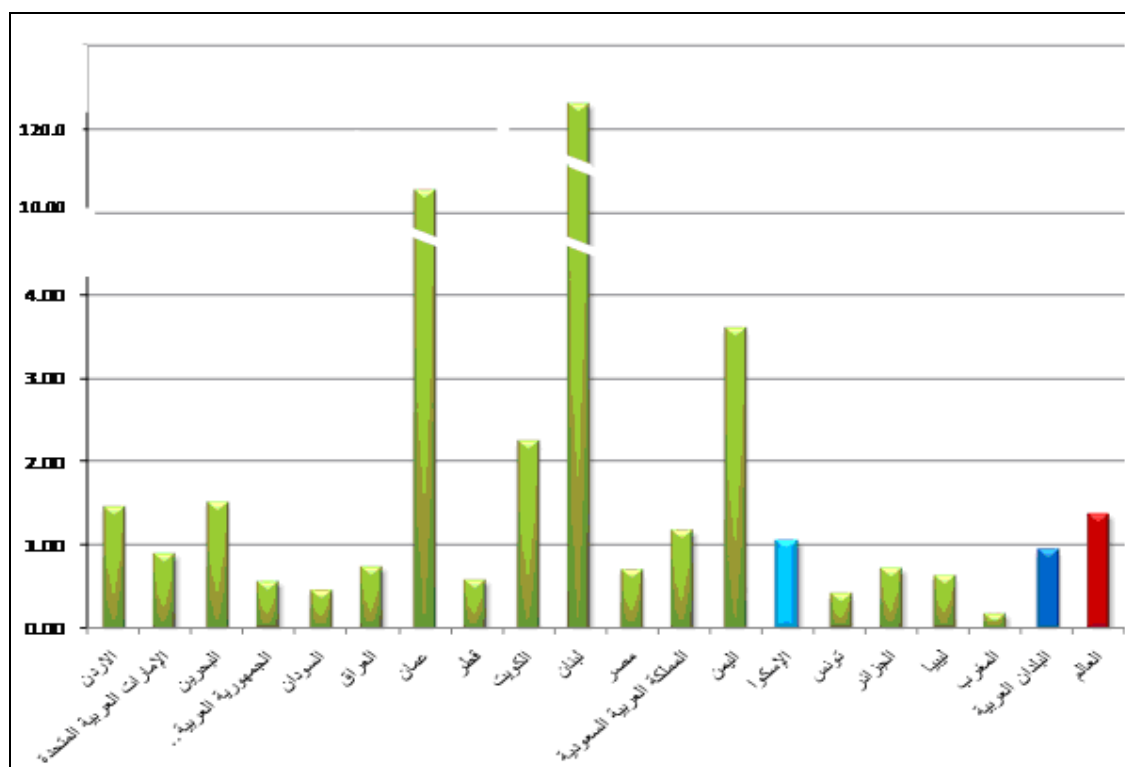


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^(*)(Cooperation in Urban Development and Dialogue-CIUDAD)

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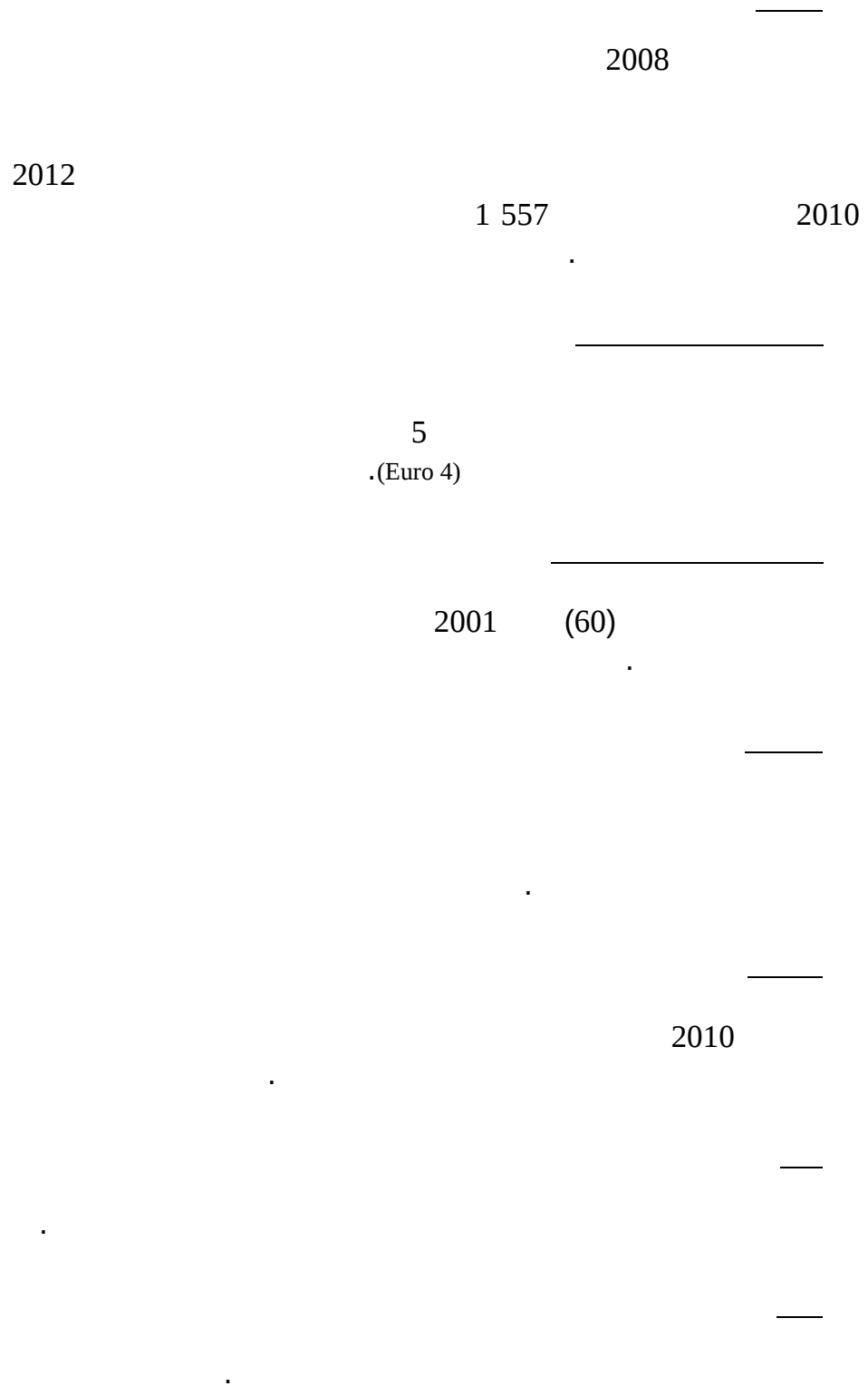
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Kamal ELDin, O., 2011 (64)

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= vC	= vB	= vA	v	5
= wC	= wB	= wA	w	6
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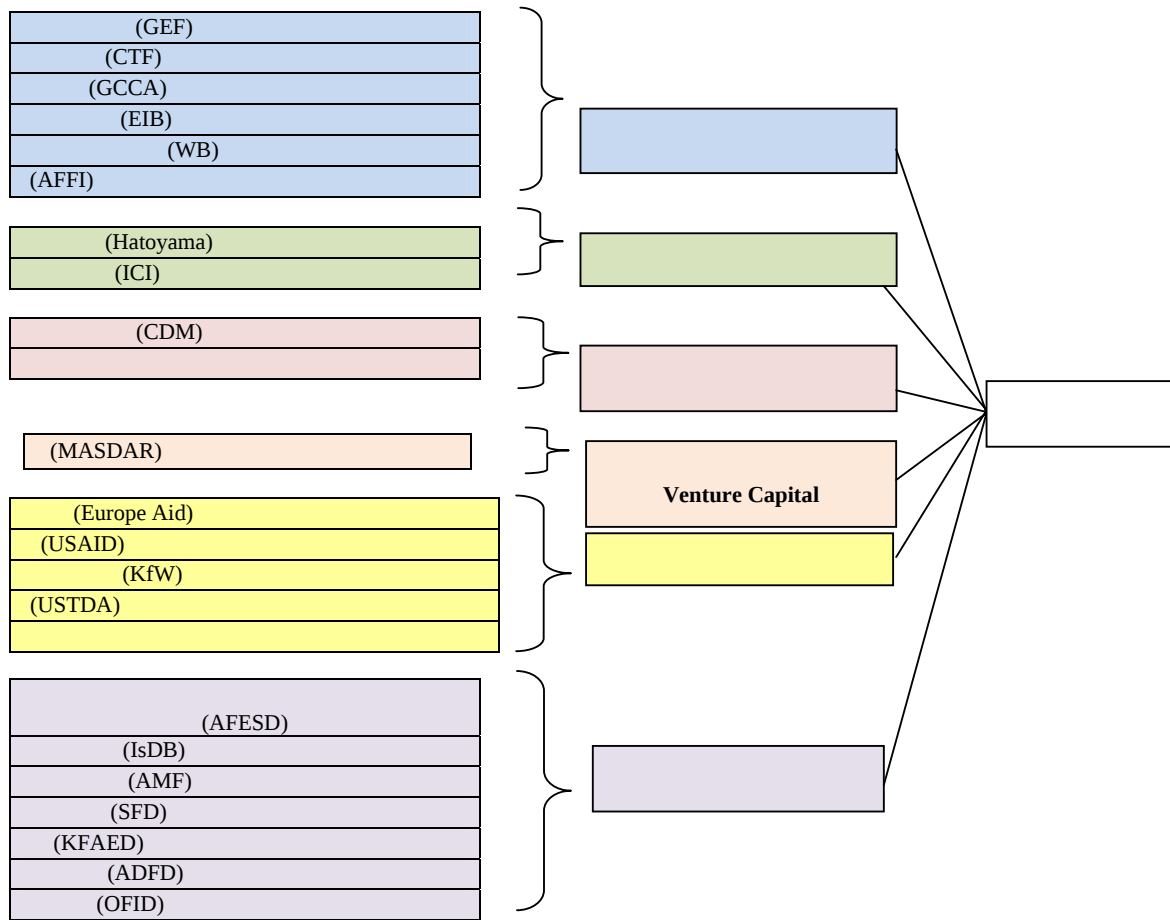
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⁽⁶⁷⁾ (Global Environment Facility-GEF) - 1

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(Clean Technology Fund-CTF) -2

(Climate Investment

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Funds-CIF)
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(Global Climate Change Association-GCCA)

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(European Investment Bank-EIB) -4

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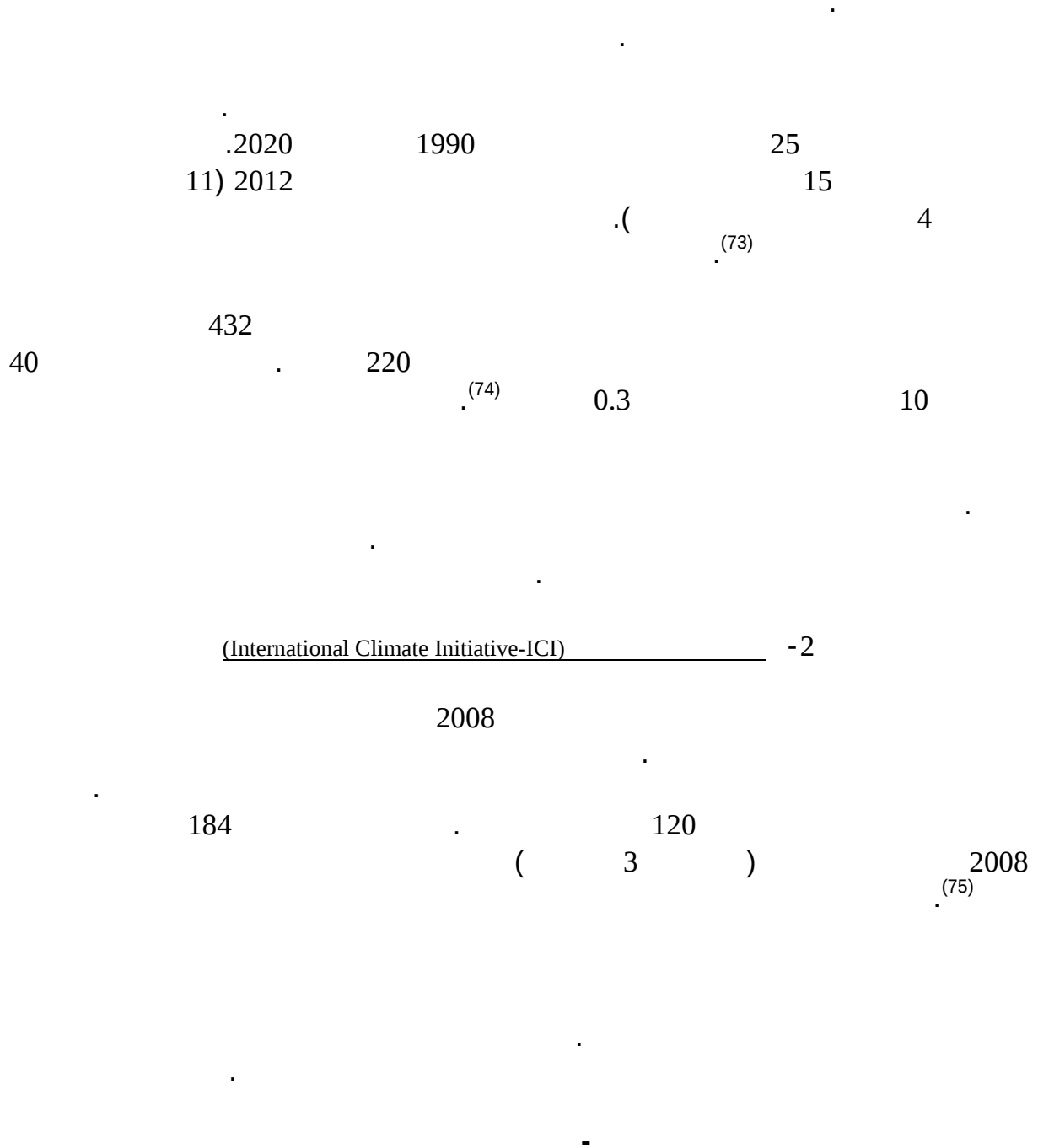
17

2009

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.World Bank, 2008a (69)

.European Investment Bank, 2011b (70)



.Climate Funds Update, 2011b (73)

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.International Climate Initiative (75)

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(Clean Development Mechanism-CDM) - 1

2006

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2011 / (78) 2011 / 0.18
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.UNFCCC, 2011 (76)

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2009

() (Dubai Multi-Commodities Centre-DMCC)
(EcoSecurities)

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.Dargin, J., 2010 (79)

.2011 (80)

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(Terms of Reference-TOR)

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160		
2011-2010		(AusAID)
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3.651	160	49	(ADFD)
15.655	769	103	(KFAED)
8.722	470	71	(SFD)
20.814	525	17	(AFESD)
5.151	141	22	(AMF)
26.285	2110	56	(IsDB)
7.230	1 187	107	() (OFID)
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	IsDB	OFID	AMF	AFESD	SFD	KFAED	ADFD	
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16 304	3 343	1 150	0	6 431	1 516	3 468	396	

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18 689	3 562	1 805	0	4 748	2 698	5 137	739	
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9 877	1 579	928	0	3 408	1 505	1 901	556	
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- (E/ESCWA/SDPD/2010/Technical Paper.4) .() 2010 .
- (E/ESCWA/SDPD/2010/IG.1/4(Part I)) .() 2010 .
:
- (E/ESCWA/SDPD/2010/IG.1/4(Part IV)) .() 2010 .
:
- (E/ESCWA/SDPD/2010/IG.1/4(Part III)) .() 2010 .
:
- (E/ESCWA/SDPD/2009/6) .2009 .
- : .2008 .
- .2 2008 / 13-12 .
- .2005 .
- (E/ESCWA/SDPD/2005/1(Part II)) :
- .2010 .
- .2010 / 25
- www.anfavea.com.br/tabelas/autoveiculos/tabela10_producao.pdf .
- .2011 .
- .2011 / 6-5
- http://www.moheet.com/show_news.aspx?nid=363390&pg=3 .
- .2010 .
- www.un.org/esa/population
- .2011 .
- .2011 / 6-5
- .2011 / .2011 .
- .2011 / .2011 .

- .2011 / 13-2 .2011 .
/ -23 :
- .(E/CN.17/2011/18)
- .<http://www.masdar.ae/Ar/Menu/index.aspx?MenuID=48&CatID=13&mnu=Cat> . .2011.
- <http://arabic.arabianbusiness.com/business/energy/2011/may/22/54600/>.
- http://www.hazemsakeek.com/QandA/fuel_cell/fule_cell.htm.
- http://www.lob.jo/List_FeedBack_Public.aspx?ID=183&Type=1.
- .http://www.mot.gov.jo/ar/news_item/549 .
- .www.mot.gov.sy .
- .2007 / 27 143 .2007 .
.http://extranet.agricultura.gov.br/sislegis-consulta/consultarLegislacao.do?operacao=visualizar&id=17886
- Agence de l'Environnement et de la Maîtrise de l'Énergie (ADEME). www2.ademe.fr.
- Aropida Word Press. 2011. *Toyota Plug-in Hybrid vehicles more efficient than Diesels*.
<http://aropida.wordpress.com/2011/07/30/toyota-plug-in-hybrid-vehicles-more-efficient-than-diesels>.
- BP Alternative Energy. 2008. *Hydrogen Energy Plan Clean Energy Plant in Abu Dhabi*.
<http://www.bp.com/genericarticle.do?categoryId=9024973&contentId=7046909>.
- Chisti, Y. 2007. *Biodiesel from Microalgae*. Biotechnology Advances 25 (2007). www.sciencedirect.com.
- Climate Funds Update. 2011a. *Global Environment Facility (GEF) Trust Fund*.
www.climatefundsupdate.org/listing/gef-trust-fund.
- Climate Funds Update. 2011b. *Hatoyama Initiative*. www.climatefundsupdate.org/listing/hatoyama-Initiative.
- Climate Investment Funds. 2011. www.climateinvestmentfunds.org/cif/print/node/2.
- Comité des constructeurs Français d'Automobiles (CCFA). 2006. *CO2 Emissions: Mobilising road transport*. http://www.ccfa.fr/IMG/pdf/Emissions_CO2_GB.pdf.
- Dargin, J. 2010. Dubai School of Government/Harvard Kennedy School. *The Development of a Gulf Carbon Platform: Mapping Out the Gulf Cooperation Council Carbon Exchange*. Working paper.
<http://www.dsg.ae/Default.aspx?grm2catid=-2&tabid=306>.
- DubaiMetro.2011. <http://dubaimetro.eu/>.

ESCWA. 2009. *Transport for Sustainable Development in the Arab Region: Measures, Progress achieved, Challenges and Policy Framework* (E/ESCWA/SDPD/2009/WP.1).
 EurObserv'ER. 2011. *Biofuels Barometer*. July 2011.

European Commission. 2011. Development and Cooperation-EuropeAid. http://ec.europa.eu/europeaid/index_en.htm.

European Commission. 2009. *European policy on sustainable transport*. <http://www.euractiv.com/transport/commission-outlines-vision-future-transport/article-183269>.

European Federation for Transport and Environment (EFTE). 2008. *CO₂ Emissions from New Cars*. April 2008.

European Investment Bank. 2011a. *Applying for a loan*. www.eib.org/projects/cycle/applying_loan/index.htm.

European Investment Bank. 2011b. *European Commission to explore EU Climate Finance Initiative*. <http://europa.eu/rapid/pressReleasesAction.do?reference=BEI/10/98&type=HTML>.

European Union. 2011. *Cooperation in Urban Development and Dialogue (CIUDAD)*. <http://www.ciudad-programme.eu/grant.php?lang=6>.

German Development Bank. 2011. Transport Sector. www.kfw-entwicklungsbank.de/EN_Home/Sectors/Transport/index.jsp.

International Energy Agency (IEA). 2011. *Technology Roadmap: Biofuel for transport*.

IEA. 2009a. *Transport, Energy and CO₂ - Moving Toward Sustainability*.

IEA. 2009b. *World Energy Outlook 2009*.

IFP Energies nouvelles. 2011. Panorama 2011. *Le développement des véhicules hybrides et électriques*.

International Climate Initiative. *Our Focus*. www.bmu-klimaschutzinitiative.de/en/theme_and_projects.

International Monetary Fund. 2011. Data and Statistics. Primary Commodity Prices. <http://www.imf.org/external/np/res/commmod/index.asp>.

Kamal Eldin, O. 2011. EGAS. *CNG Role in Protecting Environment - Egypt Case Study*. 6-5

.2011 /

Kehler, T. 2011. ERDGAS. *Compressed natural gas (CNG) in Germany*.
 .()

Mandil, C. and Shihab-Eldin, A. 2010. International Energy Forum. *Assesment of Biofuels: Potential and Limitations*.

Mariani, F. 2011. ENI. *Natural gas vehicles (NGV): A dependable solution for environment-friendly mobility*.
 .()

- McKinsey & Company. 2010. *The role of Battery Electric Vehicles, Plug-in Hybrids and Fuel Cell Electric Vehicles*. http://www.europeanclimate.org/documents/Power_trains_for_Europe.pdf.
- REN21 (Renewable Energy Policy Network for the 21st Century). 2011. *Renewables 2011: Global status Report*.
- Rose, R. 2011. *US Fuel Cell Policy: Act Now or Watch the World Drive By*. Electric Utilities Environmental Conference (EUEC), Phoenix, USA, February 2011. http://www.fuelcells.org/info/conf_pres.html.
- The Royal Society. 2008. *Sustainable Biofuels: Prospects and Challenges*.
- Rutry, D. and Jansen, R. 2007. WIP Renewable Energies. *Biofuels Technology Handbook*. Germany. www.wip-munich.de.
- United Nations Economic Commission for Europe (UNECE). 2011a. *Assessing CO₂ emissions: A new tool to mitigate climate change in Inland transport*. United Nations Development Account Project For Future Inland Transport Systems (ForFITS). http://www.unece.org/trans/theme_forfits.html.
- UNECE. 2011b. Centre for International Transport Agreements.
- UNECE. 2011c. Centre for International Transport Agreements (Brochure). *Global warming and transport*. http://www.unece.org/fileadmin/DAM/trans/doc/brochures/Centre_for_International_Transport_Agreements.pdf.
- United Nations Environment Programme (UNEP). 2011. *Towards a Green Economy-Transport: Investing in energy and resource efficiency*. http://www.unep.org/greenconomy/Portals/88/documents/ger/GER_10_Transport.pdf.
- UNEP. 2008. *Northern Africa and the Atmosphere*. In *Africa Environment Outlook 2: Our Environment, Our Wealth (e-book)*. http://www.eoearth.org/article/Northern_Africa_and_the_atmosphere.
- United Nations Framework Convention on Climate Change (UNFCCC). 2011. *Clean Development Mechanism (CDM) Statistics*. <http://cdm.unfccc.int/Statistics/index.html>.
- United States Agency for International Development (USAID). 2011. *Climate Change Funding*. www.usaid.gov/our_work/environment/climate/funding.html.
- United States Department of Energy. 2011. *Energy Efficiency and Renewable Energy. Alternative and Advanced Fuels*. http://www.afdc.energy.gov/afdc/fuels/natural_gas_cng_lng.html.
- United States Trade and Development Agency (USTDA). 2011. *Model Proposal Formats*. www.ustda.gov/program/modelproposalformats.asp.
- Wikipedia. 2011a. *Al Sufouh Tramway*. http://en.wikipedia.org/wiki/Al_Sufouh_Tramway.
- Wikipedia. 2011b. *Hydrogen vehicle-Fuel cell*. http://en.wikipedia.org/wiki/Hydrogen_vehicle.
- World Bank. 2011a. Carbon Finance Unit. *Umbrella Carbon Facility T2*. <http://wbcarbonfinance.org/Router.cfm?Page=UCFT2&ItemID=53224&FID=53224>.

World Bank. 2011b. *World Bank Highlights Opportunities for Carbon Finance in Arab Countries*. 19 January 2011. <http://climate-l.iisd.org/news/world-bank-highlights-opportunities-for-carbon-finance-in-arab-countries/>.

World Bank. 2010. *Arab Development Assistance: Four Decades of Cooperation*. <http://siteresources.worldbank.org/INTMENA/Resources/ADAPub82410web.pdf>.

World Bank. 2008. *The Clean Technology Fund*. http://www.climateinvestmentfunds.org/cif/sites/climateinvestmentfunds.org/files/Clean_Technology_Fund_paper_June_9_final.pdf.

World Bank. 2008. *Safe, Clean and Affordable Transport for Development - Transport Business Strategy for 2008-2012*.