

( )

Distr.  
GENERAL

E/ESCWA/ICTD/2009/16  
4 December 2009  
ORIGINAL: ARABIC

( )

E/ESCWA/ICTD/2009/16
ISSN. 1810-3448
ISBN. 978-92-1-628074-1
09-0519

Sales No. A.10.II.L.2

---

	.....	
1	.....	:
1	.....	
7	.....	
17	.....	
20	.....	
25	.....	
29	.....	
29	.....	
31	.....	
31	.....	:
35	.....	
35	.....	
41	.....	
41	..... 2009	
44	.....	
44	.....	

.....



" (2003 / 12-10 )

(1)"

(2005 / )

(2)" "

(3)"

6-4 )

(2003 /

(2004 / 23-22 )  
(4)"

---

: .4 (WSIS-03/GENEVA/DOC/5-A) (1)  
[http://www.itu.int/wsis/documents/doc\\_multi.asp?lang=en&id=11600](http://www.itu.int/wsis/documents/doc_multi.asp?lang=en&id=11600)

<http://www.itu.int> : .(WSIS-05/TUNIS/DOC/007-A) (2)  
[http://www.itu.int/wsis/documents/doc\\_multi.asp?lang=en&id=22660](http://www.itu.int/wsis/documents/doc_multi.asp?lang=en&id=22660)

.(WSIS-II/TUNIS/DOC/6-A(Rev.1)) (3)  
[http://www.itu.int/wsis/documents/doc\\_multi.asp?lang=en&id=22670](http://www.itu.int/wsis/documents/doc_multi.asp?lang=en&id=22670) :

: .(E/ESCWA/ICTD/2004/4) (4)  
<http://documents.un.org/results.asp>

2005

19

2007

.2002

18-16 )

(2009 /

2009 2008

:

---

2003

"

"

(5)2009 2007 2005

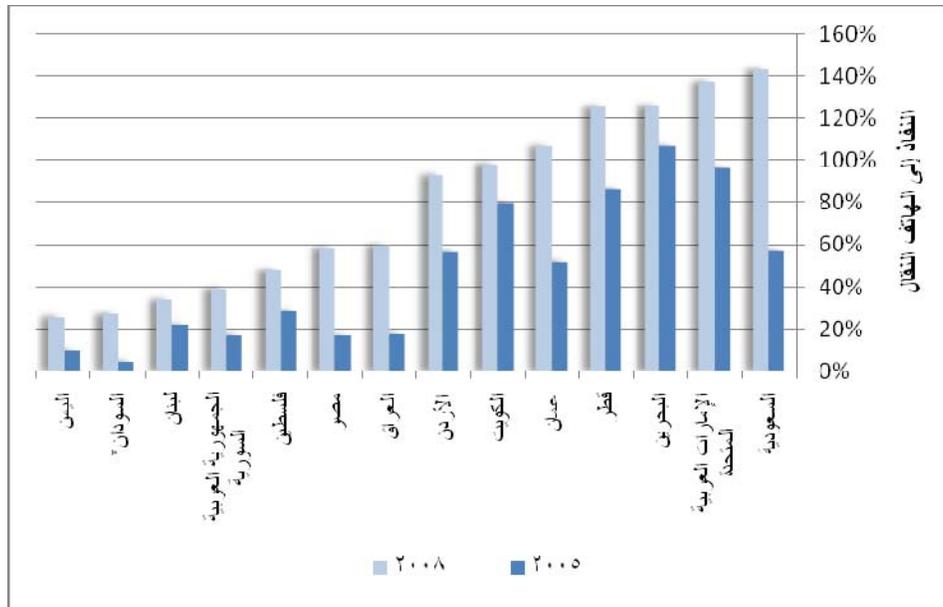
2005

-

(1) 2008 2005

(2008-2005)

-1



( ) .<http://www.madarresearch.com>

<http://web.worldbank.org/>

2005

(\*)

(World Development Indicators)

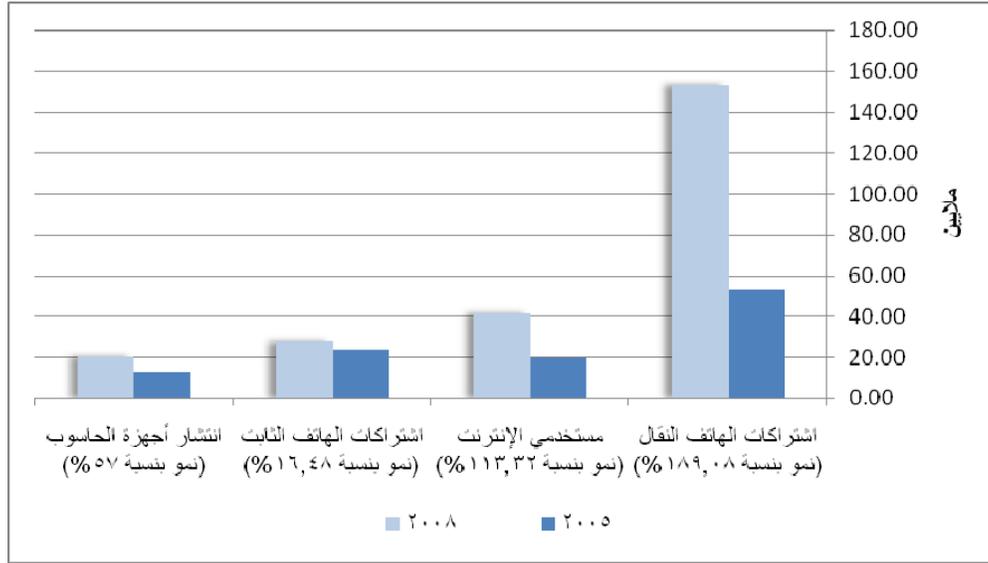
2

2008 2005

190

(2008-2005)

-2



( ) . <http://www.madarresearch.com>

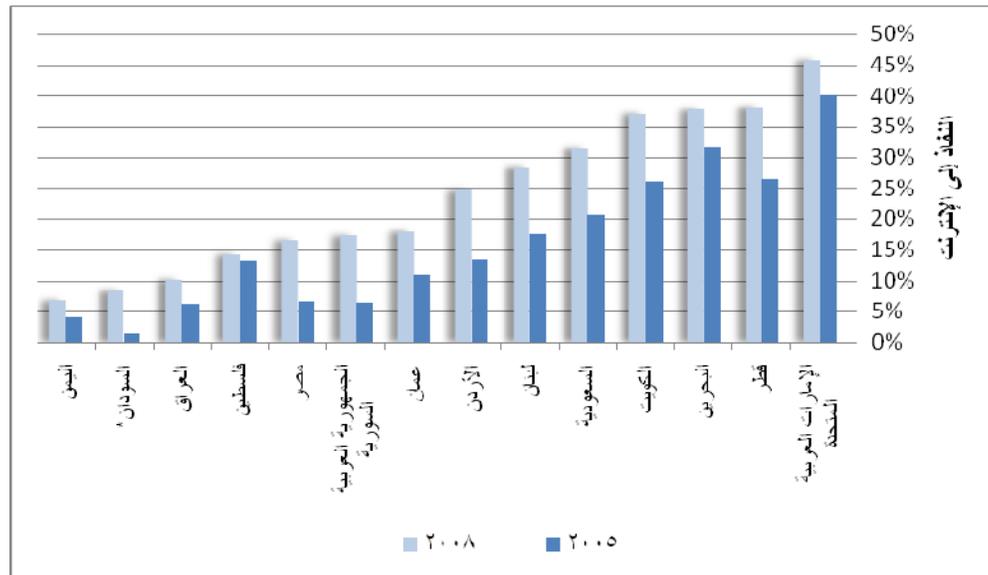
(World Development Indicators) / <http://web.worldbank.org/>

3

2008 2005

(2008-2005)

-3



( ) . <http://www.madarresearch.com>

2005 (\*)  
<http://web.worldbank.org/> (World Development Indicators)

(Economies of scale)

:

(6)(G2C) " "

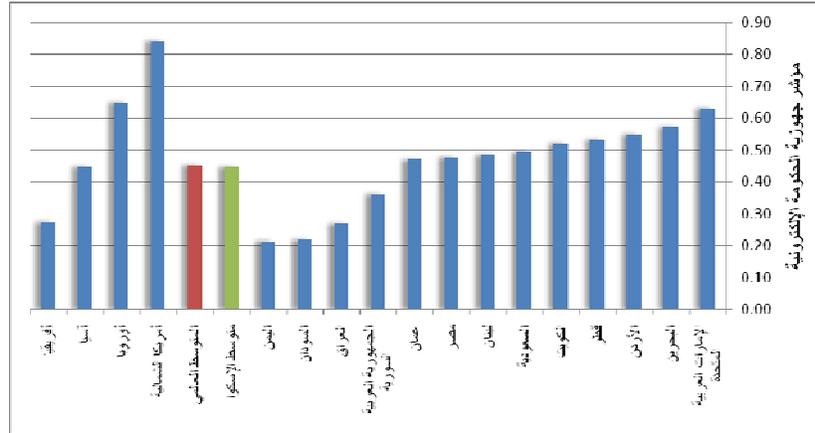
2008  
(United Nations Public Administration Network-UNPAN)

0.45  
(7) 0.65

0.44  
0.84

(back-end) (UNPAN) (6) (front-end)  
<http://www.unpan.org/Home/tabid/36/Default.aspx>

United Nations Department of Economic and Social Affairs, *UN E-Government Survey 2008: From E-Government to (7) Connected Governance*. Available at: <http://www.unpan.org/Library/MajorPublications/UNEGovernmentSurvey/tabid/646/language/en-US/Default.aspx>.



UN E-Government Survey 2008: From E-Government to Connected Governance. Available at: <http://www.unpan.org/Library/MajorPublications/UNEGovernmentSurvey/tabid/646/language/en-US/Default.aspx>.

0.1

2005

43

2007

2009







-9-

.( 100 ) •

\_\_\_\_\_ -5

60

68

\_\_\_\_\_ -6

:

100

100 )

•

(

100

)

•

100  
( 100

)

•

.(

\_\_\_\_\_ -7

( )

. 100

\_\_\_\_\_ -8

:

(Hard data)

( )

•

100

•

(Soft data) \_\_\_\_\_ ( )

-

:

-1

( )

(Digital subscriber line-DSL)

(Kbit/s)

64 DSL

(2009 )

256

( )

"

)

( )

(

5

(10)"

International Standard)

(Classification of Education (ISCED)

:

-4 (1)

-5 (2)

5

5 4

5  
2007

6  
(2005-1994)

" : (4 3 32 )

" 23-18

20 19 18)

6

(23 22 21

6

5

( )

HH7

(11)"

( )

(12)2006

74-15

(

)

)

.( )

(

.Partnership for Measuring ICT for Development, Core ICT Indicators. Available at: <http://measuring-ict> (11)

<http://www.itu.int/ITU-D/ict/statistics/index.html> (12)

-2

:

: \_\_\_\_\_ ( )

: \_\_\_\_\_ ( )

16

2008-2003

8

2008 .2008 1 946 343  
 2008 . 1 448 446 2008  
 .( ) 1 553 729  
 134  
 125

-3

"

2007

:

"

51 ) ( 50 ) : ( 300 ) ( )  
 ( 300 )

( 249 50 ) ( 49 10 ) ( 10 ) :

68 ( )

98.8 ( 50 )  
(13)

10 22 ( )

-4

(World Economic Forum)

68 (14)2009-2008

27 (Soft data )

41

(Hard data )

60

( )

12

8

-5

2007

2

15

[www.cdsi.gov.sa/showproductstandard.aspx?lid=25&pid=2049](http://www.cdsi.gov.sa/showproductstandard.aspx?lid=25&pid=2049) (13)

<http://www.weforum.org/en/initiatives/gcp/Global%20Information%20Technology%20Report/index.htm> (14)

2008

181

(15)

770

2008

1.15

1 039 297

2007

2008

30

121

4.75

(16)

2008

4.1

(17)

2008

900

6.5

2008

2008

7.3

2007

-6

---

( )

( )

( )

---

[www.itu.int/ITU-D/icteye/Reporting/ShowReportFrame.aspx?ReportName=/WTI/CellularSubscribersPublic&RP\\_intYear=2008&RP\\_intLanguageID=1](http://www.itu.int/ITU-D/icteye/Reporting/ShowReportFrame.aspx?ReportName=/WTI/CellularSubscribersPublic&RP_intYear=2008&RP_intLanguageID=1) (15)

(National Abstract 2008 PDF ) [www.economy.ae](http://www.economy.ae) (16)

[www.alittihad.ae/details.php?id=15397&y=2009](http://www.alittihad.ae/details.php?id=15397&y=2009) (17)

2008		
(%)	(%)	
87	13	
87	13	
69	31	
49	51	
30	70	
27	73	
<a href="http://madarresearch.com">.http://madarresearch.com</a> ( ) :		

( )

\_\_\_\_\_

60

100

.(

22-18)

. 22-18

( )

\_\_\_\_\_

( )

\_\_\_\_\_

100

-

:

•

•

•

"

"

•

•

:

" 2006  
(18)"

:

:

()

()

()

()

(•)

()

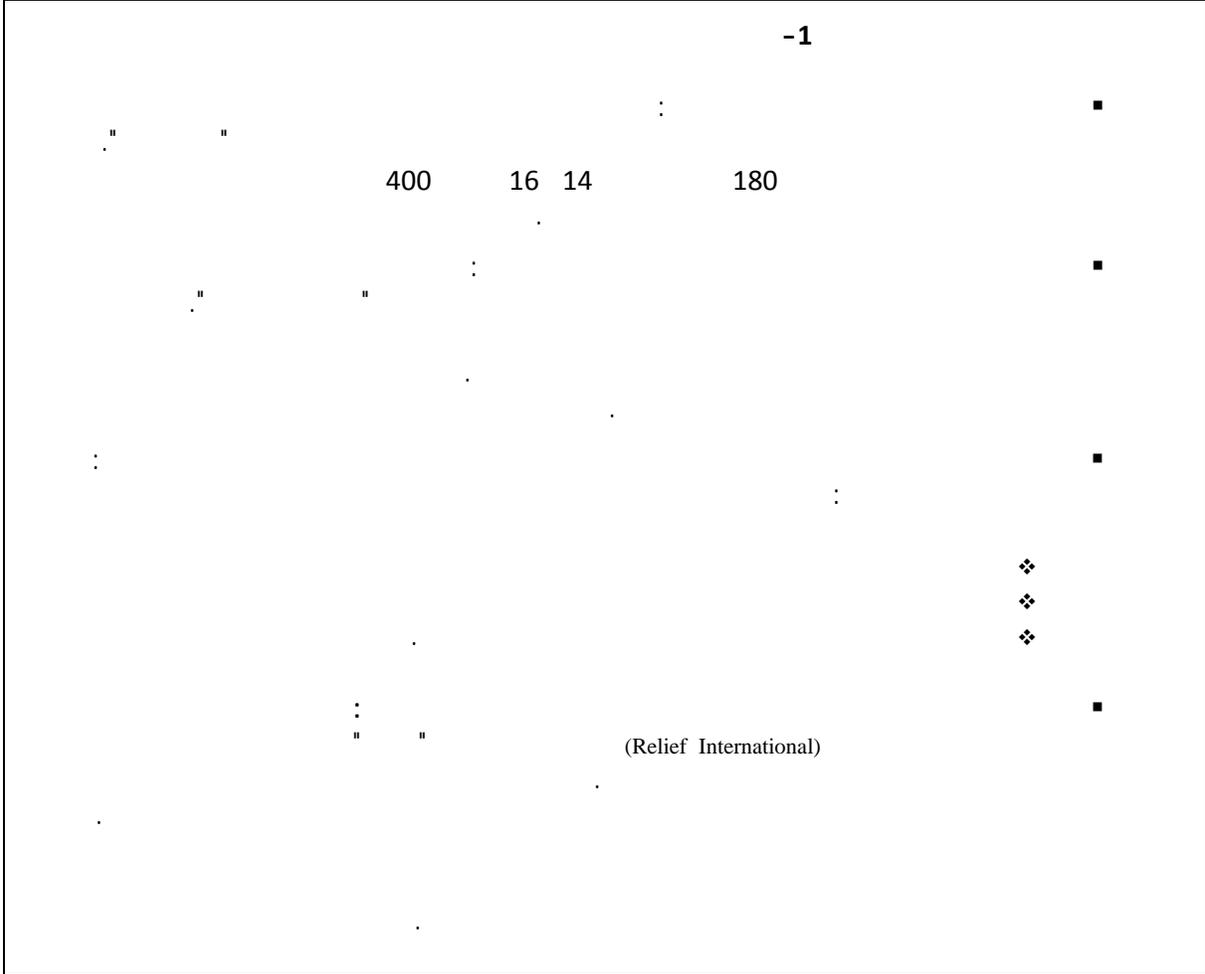
()

" " : \_\_\_\_\_

75 2005

1

:



" " : \_\_\_\_\_

<sup>(19)</sup>(Middle East Partnership Initiative)

" " 2008

:

: \_\_\_\_\_

: \_\_\_\_\_

: \_\_\_\_\_

/

: \_\_\_\_\_

(2003 / 6-4 )

2003

(2004 / 23-22 )

(20)

<sup>(21)</sup>(2003)  
(2001)

5

(2009 / 18-16 )

2005

19

2007

2002

2009 2005

(E/ESCWA/ICTD/2004/4)

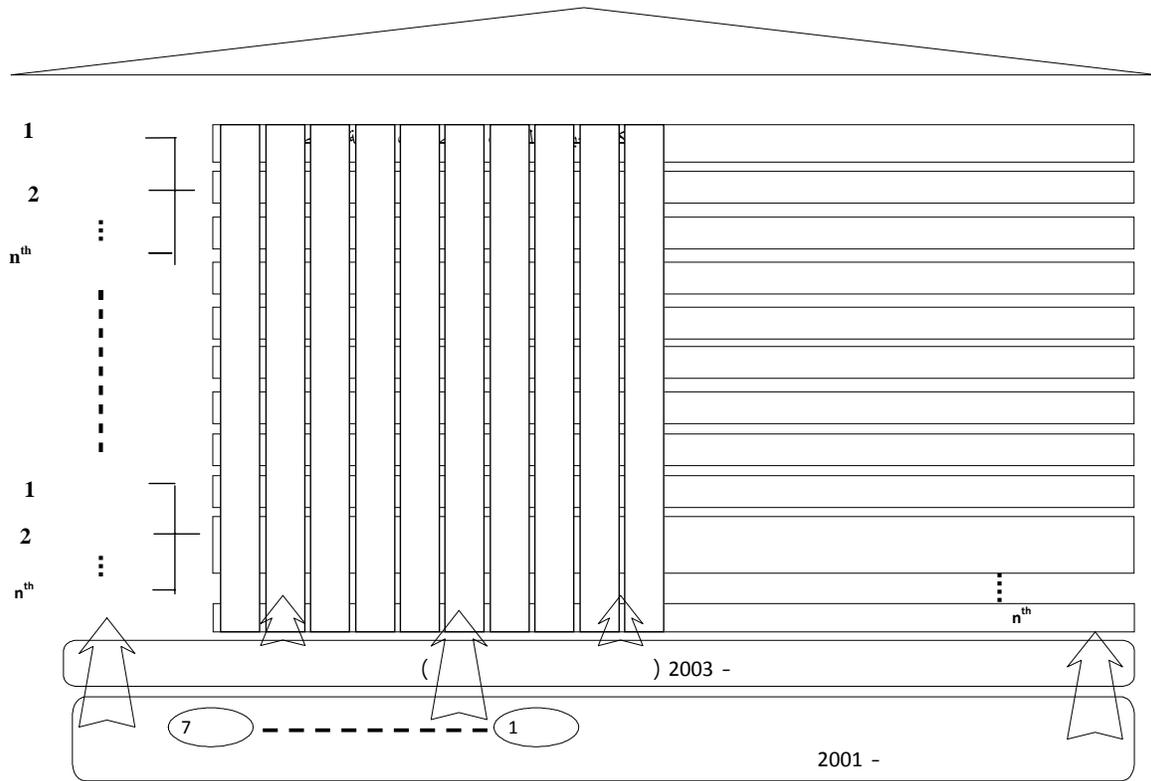
(20)

<http://documents.un.org/results.asp> :

:(WSIS-03/GENEVA/DOC/5-A)

(21)

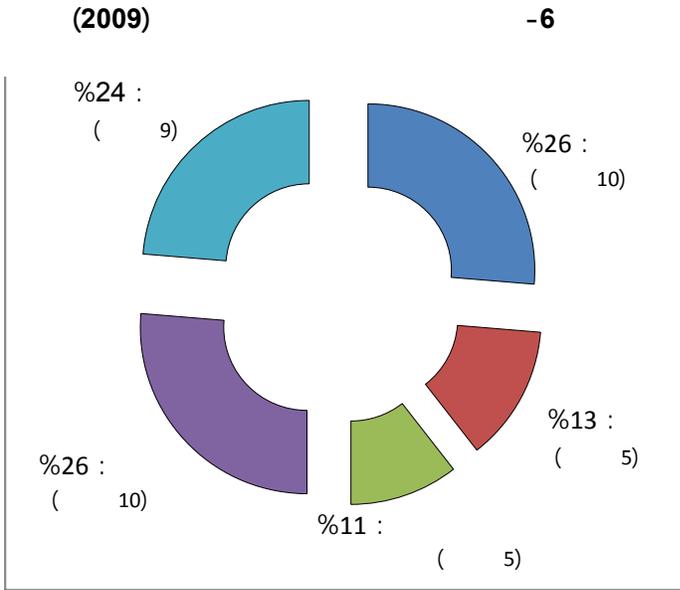
[http://www.itu.int/wsis/documents/doc\\_multi.asp?lang=en&id=11600](http://www.itu.int/wsis/documents/doc_multi.asp?lang=en&id=11600)



.(E/ESCWA/ICTD/2004/4)

: \_\_\_\_\_  
.http://documents.un.org/results.asp :

-



6  
 ( 26) ( 13)  
 26) ( 11) ( )  
 .( 24) ( )  
 50 ( 19)

100 000

( )

( )

( )

.2015-2009

1

.2015

:

		(1)
(*)		- - - - + + + +
	(*)	(2) - -
		(3) - -
	(*)	(4) - -
(*)	(*)	(5) - - -
	(*)	(6) - - - - +
(*)	(*)	(7) - - - + +
(*)	(*)	(8) - - - -

<b>-1</b>	
	-
	-

( ) 1

	-
" . " ".arab"	+
( )	+
)	+
(	+

(9)

(*)	-
(*)	-
	-
	-
	-
	-
	-
	+

(10)

(*)	-
:	-
(*)	-
(*)	-
	-
	+
	+
	+

(\*)

+

53

15

2003

.2005

2005 /

(23)

:

"

(22)"

العالمية لمجتمع المعلومات

-

2005

(24)

2003

2005

2005

2001

---

(22)

[www.aticm.org.eg](http://www.aticm.org.eg)

(23)

[http://www.itu.int/wsis/documents/doc\\_multi.asp?lang=en&id=116010](http://www.itu.int/wsis/documents/doc_multi.asp?lang=en&id=116010)

[http://www.aticm.org.eg/ModulesAr.aspx?moduleNo=15&team\\_id=2](http://www.aticm.org.eg/ModulesAr.aspx?moduleNo=15&team_id=2) (24)

.4

(WSIS-03/GENEVA/DOC/5-A)

:

:

2006

(1) :

(2)

(4)

(3)

(5)

-

2006 /

.2006

:

<sup>(25)</sup>2012-2007

.2007 /

" 2012

"

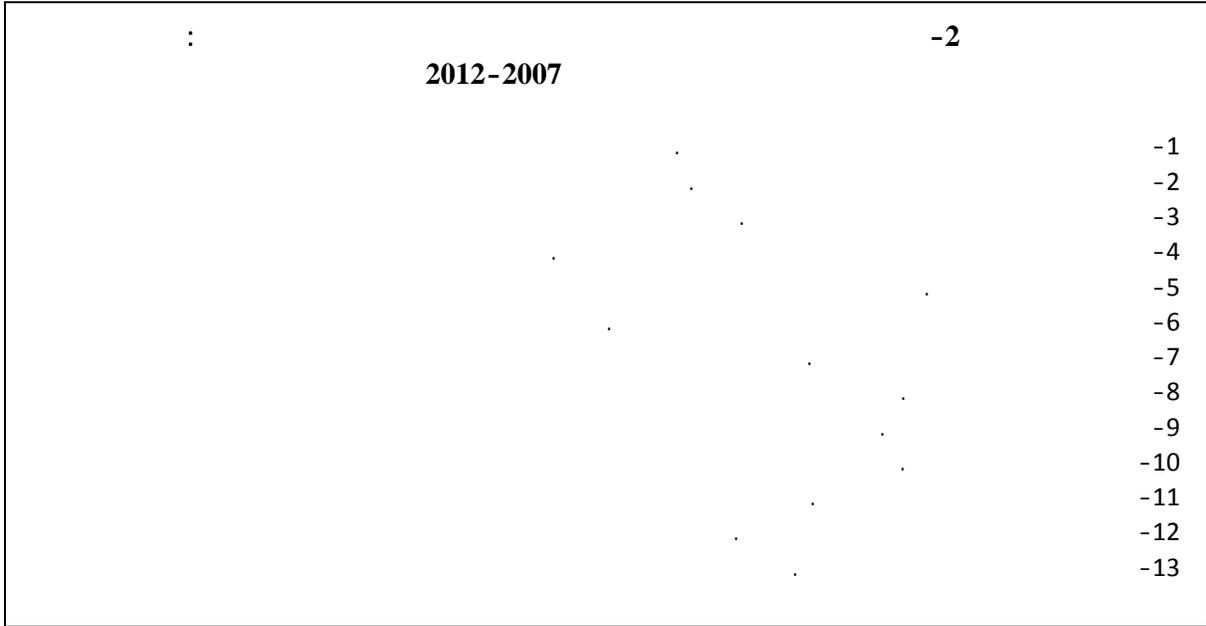
(1) :

(2)

(3)

2003

.(2 )



( 68)

2012-2007

(26)

25

.2012-2007

2012-2007

(27)

<http://www.itu.int/ITU-D/ict/partnership> (26)

(27)

2012

2012-2007

2004

(28)

.2009 /

:2012-2007

2012-2007

2012-2007

16 2009 /

.2012-2007

.2010 /

2009-2005



(2005 / 12-9 )

2006

(29)

(2006 / 11-8 )  
)

(2008 / 29-26

---

:

:

-

6

(Polychlorinated biphenyls)

(Cathode ray tube)

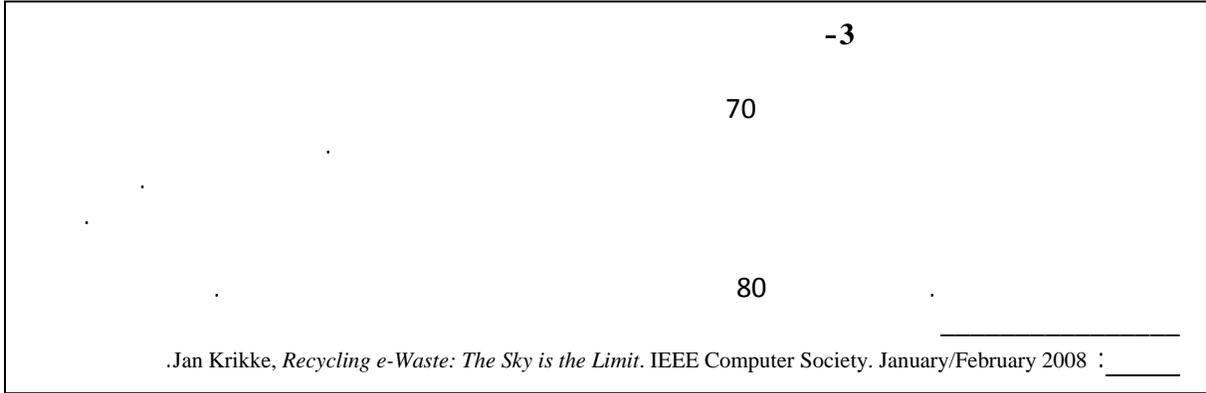
(30)

3

(Waste Electrical and Electronic Equipment Directive-WEEE)

172

(Basel convention on hazardous wastes)  
(31)



-3

70

80

.Jan Krikke, *Recycling e-Waste: The Sky is the Limit*. IEEE Computer Society. January/February 2008 : \_\_\_\_\_

40

-

20

(32)

(33) 2007

-

(Electronics Disassembly, Refurbishment and Recycling Centres)

-1

<http://www.basel.int/ratif/convention.htm> : (31)

.Jan Krikke. *Recycling e-Waste: The Sky is the Limit*. IEEE Computer Society. January/February 2008 (32)

(33)

(34)

:(Reducing) \_\_\_\_\_ ●

:(Reusing) \_\_\_\_\_ ●

" " " " "

:(35)(Recycling) \_\_\_\_\_ ●

:(Grinding) (Shredding)

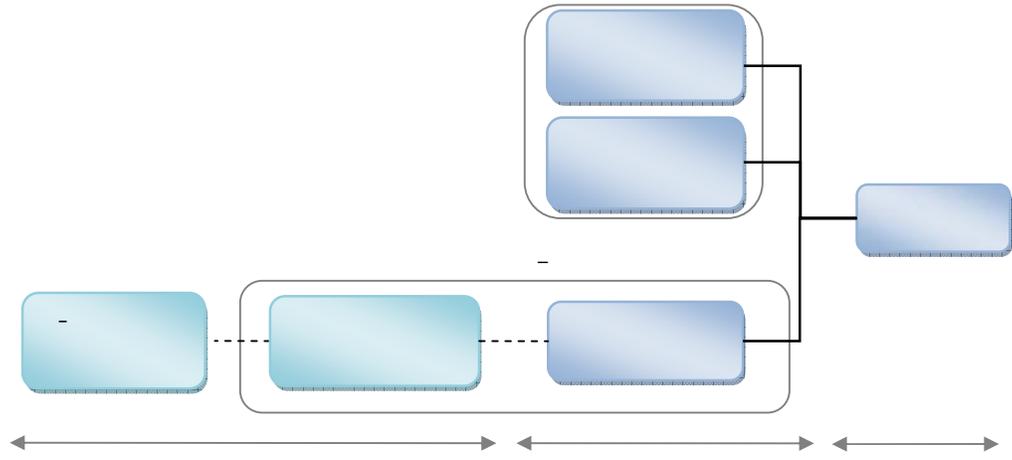
: \_\_\_\_\_ ●

-2

.7

Implementation Guide for Information Technology Equipment Disassembly and Sorting Centres. Centre Québécois de développement durable. (34)

PHA Consulting Associates, *Electronic Waste Recovery Study*, 2006. Available at: [www.nrcan-rncan.gc.ca/mms-smm/busi-indu/rad-rad/pdf/elec-sfr-eng.pdf](http://www.nrcan-rncan.gc.ca/mms-smm/busi-indu/rad-rad/pdf/elec-sfr-eng.pdf). (35)



(2003)

(36)





7

24

(G2C)

-

(40) 2009 /

(Organisation for Economic Co-operation and Development-

OECD)

(41)

:

-1

-2

-3

(40)

<http://css.escwa.org.lb/ictd/01018/presentations/day1/1.pdf>

(41)

<http://www.dsg.ae/PUBLICATIONS/> :

.2007 / 19-16

[PublicationDetail/tabid/308/language/enUS/Default.aspx?udt\\_826\\_param\\_detail=207.](http://www.dsg.ae/PUBLICATIONS/PublicationDetail/tabid/308/language/enUS/Default.aspx?udt_826_param_detail=207)

-4

(42) (2009 / 21-20 )

-1

-2

-3

-4

-5

-6

Semantic Web Web 2.0 Mobile Technology

-7

(Citizens segmentation)

-8

-9

-10

-11

2009

2009

16

2009 / 18

(ITU)



( )

(Global Alliance for Information and Communication Technologies CISCO and Development-GAID)

(International

Development Research Centre-IDRC)

(Microsoft)

(TAGI)

"

(GAID)

275

"



16 15

2009 /

(telecentre.org)

"  
"

45

.2009 / 21 20

11

21



19

2009 / 16 12



" " (http://www.itu.int/ITU-D/ict/partnership)

(http://esis.escwa.org.lb/)

.2005 2003

(1) :

(2) (5) (4)

(3) (8) (7) (6)

(10) (9) (11)

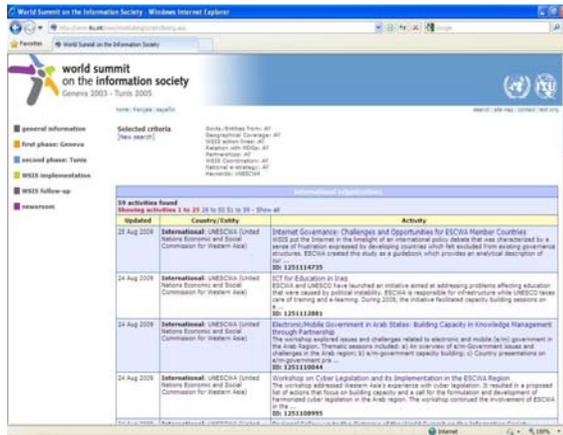
"

.2009 / 18 16 "

(WSIS Stocktaking)

<http://www.itu.int/stocktaking/>

)  
(2003



( ) -  
<http://www.unctad.org/Templates/Page.asp?intItemID=4239&lang=1>

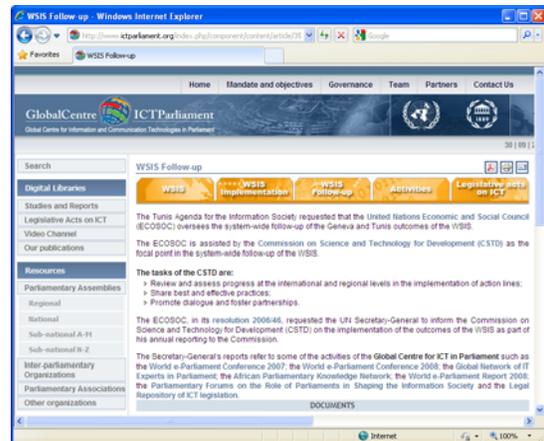


:( ) -  
[http://portal.unesco.org/ci/en/ev.php-URL\\_ID=15868&URL\\_DO=DO\\_TOPIC&URL\\_SECTION=201.html](http://portal.unesco.org/ci/en/ev.php-URL_ID=15868&URL_DO=DO_TOPIC&URL_SECTION=201.html)



<http://www.ictparliament.org/index.php/component/content/article/351>

2005 /



<http://www.giswatch.org/>

2007

2007

2008



---

24.7                      2009                      1.6  
2000                      360                      (43)  
                                 1360

.2004



)



(

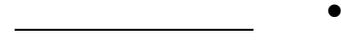
":

"

Windows Live :

(44)

.Gmail Messenger Skype Yahoo! Messenger Messenger  
300 Skype Windows Live Messenger



(45) CNN



(47)

Facebook

.Hi5 MySpace Twitter Facebook :  
(46) 300

(48) Alexa Internet

[.http://en.wikipedia.org/wiki/Instant\\_messaging](http://en.wikipedia.org/wiki/Instant_messaging) (44)

[.http://www.cnn.com](http://www.cnn.com) (45)

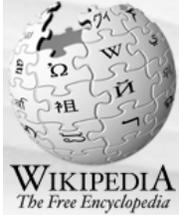
[.http://en.wikipedia.org/wiki/List\\_of\\_social\\_networking\\_websites](http://en.wikipedia.org/wiki/List_of_social_networking_websites) (46)

[.http://en.wikipedia.org/wiki/Alexa\\_Internet](http://en.wikipedia.org/wiki/Alexa_Internet) (47)

[.http://www.alex.com/topsites](http://www.alex.com/topsites) (48)



.Bing Yahoo! Google :



(50) Wikipedia

Alexa Internet  
8.5

Google  
(49) Alexa Internet

(51)

---

<http://www.topsites/alexa.com> (49)

<http://www.wikipedia.org> (50)

<http://www.topsites/alexa.com>(51)