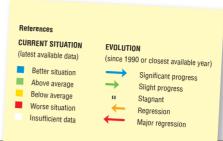


### INFORMATION, SCIENCE AND TECHNOLOGY

## The ruses of inequity: from the digital to the cognitive gap



CURRENT (BCI value, 0-100) SITUATION (colour) EVOLUTION (arrow-icon)		USERS COMPUT (per 1,000 (per 1,0		PERSONAL COMPUTERS (per 1,000 people)	TELEPHONE MAINLINES (per 1,000 people)		SCIENTISTS AND ENGINEER IN R&D¹ (per million people)	ICT <sup>2</sup> EXPENDITURE (% of GDP)	R&D¹ EXPENDITURE (% of GDP)	
_	Afghanistan (52)	1	11		3	п				
$\rightarrow$	Albania (94)	60 -	<b>→</b>	12 →	88					
$\rightarrow$	Algeria (94)	58 -	<b>→</b>	11 →	78	$\rightarrow$		2.4 11		
_	American Samoa (—)				182					
_	Andorra (—)	331 -	$\rightarrow$		535					
$\rightarrow$	Angola (62)	11 -	<b>→</b>	2 ->	6					
_	Antigua and Barbuda (—)	350 -			467					
$\rightarrow$	Argentina (98)	177 -		83 →	227		720 →	6.9	0.4	-
$\rightarrow$	Armenia (96)	53 -		66 →	192		120	0.5	0.4	
$\rightarrow$	Australia (99)		$\rightarrow$	683			3759 ->	6.5	1.7	
$\rightarrow$	Austria (—)		$\rightarrow$	607			2968	5.5	2.3	
$\rightarrow$				23 →	130		2900	0.0 11	0.3	
<b>-</b>	Azerbaijan (85)	81 -		23					0.3	
	Bahamas (99)		$\rightarrow$	100	439					
$\rightarrow$	Bahrain (99)		<b>→</b>	169			F4+	0.7	0.0	
$\rightarrow$	Bangladesh (57)		П	12 -	8		51* 11	2.7 →	0.6	
$\rightarrow$	Barbados (99)		$\rightarrow$	148 →	500				0.0	
	Belarus (99)	347 -			336				0.6	
$\rightarrow$	Belgium (99)		$\rightarrow$	348	461		3065 →	5.9 11	1.9	
$\rightarrow$	Belize (93)	130 -		132 -						
$\rightarrow$	Benin (68)	50 -	<b>→</b>	4 ->	9					
$\rightarrow$	Bermuda (—)	661 -	$\rightarrow$	542	892	$\rightarrow$			0.1*	
$\rightarrow$	Bhutan (78)	39 -	<b>→</b>	20 ->	51	$\rightarrow$				
$\rightarrow$	Bolivia (80)	52 -	<b>→</b>	23 ->	70	$\rightarrow$	120 -	4.9	0.3	
_	Bosnia and Herzegovina (—)	206 -	$\rightarrow$		248	$\longrightarrow$				
$\rightarrow$	Botswana (92)	34 -	<b>→</b>	45 11	75	$\rightarrow$				
$\rightarrow$	Brazil (92)	195 -	<b>→</b>	105 ->	230	$\rightarrow$	344*	6.4 ->	1.0	
$\rightarrow$	Brunei Darussalam (100)	277 -	$\rightarrow$	85 ->	224	$\rightarrow$	274		0.0	
$\rightarrow$	Bulgaria (99)	206 -	$\rightarrow$	59 <del>→</del>	321	$\rightarrow$	1263	3.5 11	0.5	
$\rightarrow$	Burkina Faso (64)	5 -	<b>→</b>	2 11	7	$\rightarrow$	17* →		0.2*	
$\rightarrow$	Burma/Myanmar (76)		ш	8 ->	9		17 →		0.1	
$\rightarrow$	Burundi (58)	5 -	<b>→</b>	5 →	4					
$\rightarrow$	Cambodia (66)	3 -		3 →	3					
$\rightarrow$	Cameroon (70)	15 -		10 →	6			5.1 →		
$\stackrel{\sim}{\longrightarrow}$	Canada (99)		$\rightarrow$	700			3597		1.9	
$\rightarrow$	Cape Verde (93)	49 -		97	141	$\rightarrow$	127 ->	0.7	1.0	
	Central African Republic (65)		11	3 →	2	11	47*			
- 11	Chad (42)	4 -		2 11	1		7/			
$\rightarrow$	Chile (100)	172 -		141 →	211		444 →	5.2	0.6	
<b>→</b>	` '	85 -		41 →	269			5.3		
	China (90)			42 →						
$\rightarrow$	Colombia (90)	105 -			171		109 →	8.0 11	0.2	
$\rightarrow$	Comoros (79)	33 -		9 -	28					
_	Congo, DR (69)	2 -		4	0		004			
$\rightarrow$	Congo, Rep. (79)	13 -		4 ->	4		30* ←			
$\rightarrow$	Costa Rica (94)	254 -		219				7.3 11	0.4	
<b>→</b>	Côte d'Ivoire (79)	11 -		15 →		<b>→</b>				
$\rightarrow$	Croatia (99)	327 -		190		$\rightarrow$	1296 -		1.1	
$\rightarrow$	Cuba (99)	17 -	<b>→</b>	33 ->	75	$\rightarrow$			0.7	

Social Watch 43 Information, science and technology







Summary:	COUNTRIES (BCl value, 0-100)	INTERNET USERS (per 1,000	PERSONAL COMPUTERS (per 1,000	TELEPHONE MAINLINES (per 1,000	SCIENTISTS AND ENGINEERS IN R&D <sup>1</sup>	ICT <sup>2</sup> EXPENDITURE (% of GDP)	R&D¹ EXPENDITURE (% of GDP)
SITUATION (colour)		people)	people)	people)	(per million people)	(% UI GDF)	(% 01 00F)
EVOLUTION (arrow-icon)							
$\rightarrow$	Cyprus (99)	430	337	554	630 →		0.4 11
$\rightarrow$	Czech Republic (99)	269	240	314	1594 ->	7.4 11	1.3 11
$\rightarrow$	Denmark (98)	527	656	619	5016	6.0	2.6 ->
<b>→</b>	Djibouti (75)	13 →	24 →	14 →			
$\rightarrow$	Dominica (97)	361	182	293			
	Dominican Republic (88)	158 → 47 →	39 →	95 → 129 →	50 ←	3.0 11	0.1
$\rightarrow$	Ecuador (83) Egypt (88)	68 ->	38 ->	140 -	493* →	1.4	0.1
$\stackrel{'}{\longrightarrow}$	El Salvador (79)	93 →	51 →	141	47* <b>→</b>	1.7	0.1*
<b>→</b>	Equatorial Guinea (59)	14 →	14 →	20 →	71		0.1
ii ii	Eritrea (67)	16 ->	8 →	9 →			
$\rightarrow$	Estonia (99)	513	483	328	2523 ->		0.9
$\rightarrow$	Ethiopia (54)	2 11	3 →	9 ->			
_	Faeroe Island (—)	642		419			
$\rightarrow$	Fiji (99)	77 <b>→</b>	52 <del>-&gt;</del>	122 ->			
<b>→</b>	Finland (100)	534	481	404 ←	7832	6.8	3.5 →
$\rightarrow$	France (99)	430	575	586	3213	6.4	2.2
$\rightarrow$	French Polynesia (—)	214	109 →	208 →			
$\rightarrow$	Gabon (82)	48 →	33 →	28 →			
$\rightarrow$	Gambia (70)	33 →	16 →	29 →			0.0
$\overset{\rightarrow}{\longrightarrow}$	Georgia (89) Germany (100)	39 → 455 →	43 → 545 →	151 → 667 →	3261 →	6.2 11	0.3 II 2.5 II
$\rightarrow$	Ghana (66)	18 →	5 →	15 →	3201	0.2	2.5
$\rightarrow$	Greece (100)	180 →	89 →	568 -	1413 →	4.0 11	0.6
	Greenland (—)	668	00 /	448	1410	4.0	0.0
$\rightarrow$	Grenada (92)	182	151 →	309			
_	Guam (—)	383		507			
$\rightarrow$	Guatemala (68)	79 →	19 →	99 →			
$\rightarrow$	Guinea (66)	6 →	5 <del>-&gt;</del>	3 11			
_	Guinea-Bissau (61)	20 →		7 11			
$\rightarrow$	Guyana (81)	213	39 →	147			
_	Haiti (—)	70 <b>→</b>		17 →			2.4
$\rightarrow$	Honduras (78)	36 →	16 →	69 ->	1504	4.6	0.1
,	Hong Kong (—) Hungary (99)	508 <del></del>	601 <del></del>	546 <del></del>	1564 <del></del>	8.8 →	0.6
$\rightrightarrows$	Iceland (100)	869 -	479	653	6807	0.0	3.0
11	India (71)	55 →	16 →	45 →	119*	6.1	0.9
$\rightarrow$	Indonesia (84)	73 <b>→</b>	14 →	58 ->	207 ←	3.1 11	0.1
$\rightarrow$	Iran (91)	103 →	109 ->	278	1279 ->	2.4 ->	0.7
	Iraq (83)	1 11	8	38 11			
$\rightarrow$	Ireland (100)	276	494>	489	2674	4.2	1.2 11
$\rightarrow$	Israel (100)	470	740	424 →		8.3 11	4.5
$\rightarrow$	Italy (99)	478	367	427 →	1213 ←	4.4 11	1.1 11
$\rightarrow$	Jamaica (95)	404	63 →	129 →	5007	9.7	0.1
<b>→</b>	Japan (99)	668	542	460 →	5287 → 1027*	7.9	3.2 11
—————————————————————————————————————	Jordan (97) Kazakhstan (98)	119 → 27 →	57 →	121 → 167 →	1927* 629 <b>←</b>	8.0 ←	0.2
"	Kenya (71)	27 → 32 →	9 →	8 11	029	2.6 11	0.2
<b>→</b>	Kiribati (88)	20 →	10 →	47 ->		2.0	
_	Korea, DPR (—)	0 11	10	44 →			
$\rightarrow$	Korea, Rep. (100)	684	545	492	3187	6.6	2.6
$\rightarrow$	Kuwait (98)	276	237	201 →		1.4 11	0.2
11	Kyrgyzstan (95)	54 →	19 →	85 →			0.2
$\rightarrow$	Lao, PDR (58)	4 →	18 →	13 →			
$\rightarrow$	Latvia (99)	448	217	318 ->	1434 ->		0.4
$\rightarrow$	Lebanon (95)	175 →	102 ->	247			
_	Lesotho (72)	24 →		27 ->			0.0





Summary: CURRENT SITUATION (colour) EVOLUTION	COUNTRIES (BCl value, 0-100)	INTERNET USERS (per 1,000 people)	PERSONAL Computers (per 1,000 people)	TELEPHONE MAINLINES (per 1,000 people)	SCIENTISTS AND ENGINEERS IN R&D¹ (per million people)	ICT <sup>2</sup> EXPENDITURE (% of GDP)	R&D <sup>1</sup> EXPENDITURE (% of GDP)
(arrow-icon)							
_	Liberia (65)	0 11		2 11			
	Libya (98)	36 →	24	133	361*		
<u> </u>	Liechtenstein (—)	633		574			
<b>→</b>	Lithuania (99)	358	155	235 →	2136 -		0.8
$\stackrel{\longrightarrow}{\longrightarrow}$	Luxembourg (97)	690 <del></del>	635	535 → 379 →	4301 → 41* →		1.8 11
→ →	Macao (—) Macedonia (96)	79 <b>→</b>	222	262	504		0.3
$\rightarrow$	Madagascar (61)	5 <b>→</b>	5 <b>→</b>	4 11	15* →		0.1
$\rightarrow$	Malawi (62)	4 →	2 11	8 →	.0 /		0.,
$\rightarrow$	Malaysia (99)	435	197	172 ->	299 ->	6.8 ←	0.7
$\rightarrow$	Maldives (86)	59 →	112 ->	98 ->			
11	Mali (69)	4 ->	3 →	6 →			
$\rightarrow$	Malta (100)	315	165 →	501	681 ←		0.3
$\rightarrow$	Marshall Islands (93)	35 →	82 →	76 →			
$\rightarrow$	Mauritania (66)	7 ->	14 →	13 ->			0.4
$\rightarrow$	Mauritius (98) Mexico (94)	146 → 181 →	162 → 136 →	289	268 →	3.3 11	0.4
<del>-</del>	Micronesia (—)	127 ->	130	113 -	200	J.J 11	0.4
$\rightarrow$	Moldova (96)	103 ->	29 →	240 -			0.8* 11
_	Monaco (—)	100 /	25	240	41* →		0.0
$\rightarrow$	Mongolia (95)	105 →	133>	61 →	, ,		0.3
$\rightarrow$	Morocco (79)	153 ->	25 →	44 →		6.4 ->	0.6
$\rightarrow$	Mozambique (66)	7 <del>→</del>	6 →	4 11			0.6
$\rightarrow$	Namibia (85)	37 →	109	64 ->			
$\rightarrow$	Nepal (65)	4 ->	4 →	17 →	59		0.7
$\rightarrow$	Netherlands (100)	739	682	466 11	2482 →	6.3 11	1.9 11
_	Netherlands Antilles (—)	11* →		461			
_ →	New Caledonia (—)	324	474	236 →	2045	10.6	10
$\rightarrow$	New Zealand (98) Nicaragua (72)	672 <del></del>	474 <del></del>	422 ←	3945 <del></del>	10.6	1.2 II 0.1 II
, II	Niger (52)	2 11	1 11	2 11	7.5		0.1
→ ···	Nigeria (63)	35 →	6 →	9 ->		3.4 11	
$\rightarrow$	Norway (100)	735	573	460 ←	4587	5.3 11	1.8 11
$\rightarrow$	Oman (99)	111 →	47 →	103 →			
$\rightarrow$	Pakistan (64)	67 ->	4 ->	34 →	75*	6.8 11	0.2
$\rightarrow$	Panama (91)	64 ->	46 →	136 ->	97 ←	8.2 ←	0.3
<b>→</b>	Papua New Guinea (68)	23 ->	64 →	11 →			
<b>→</b>	Paraguay (85)	34 →	78 →	54 →	79 —	F.C. 4	0.1
—————————————————————————————————————	Peru (86)	164 → 54 →	100 → 45 →	80 →	226* ←	5.9 <b>←</b> 6.7 <b>→</b>	0.1 II 0.1
$\stackrel{\rightarrow}{\longrightarrow}$	Philippines (77) Poland (100)	262	193 -	41 → 309 →	1581 →	4.2	0.1
$\rightarrow$	Portugal (99)	279	134 →	401 -	1949 -	4.4 11	0.8
	Puerto Rico (—)	221 -	,	285 →			0.0
$\rightarrow$	Qatar (96)	269	171	253 ->			
$\rightarrow$	Romania (96)	208	113 →	203	976 -	3.2	0.4
$\rightarrow$	Russian Federation (98)	152 ->	122 →	280	3319 ←	3.2 11	1.2 II
_	Rwanda (53)	6 →		3 11			
$\rightarrow$	Samoa (97)	32 →	7 <b>→</b>	73 ->			
	San Marino (—)	536	857	741			
	Sao Tome and Principe (82)	131 →	276	46 →		0.0	
$\rightarrow$ $\rightarrow$	Saudi Arabia (97)	70 →	376 → 21 →	164 <del></del>		2.3 8.7	
$\stackrel{\textstyle \rightarrow}{\rightarrow}$	Senegal (71) Serbia (—)	46 → 203 →	52 →	360 -		0.7	
$\rightarrow$	Seychelles (—)	249 -	189 ->	253	19		0.1
_	Sierra Leone (61)	2 11	.50	5 11	. 5		0.1
$\rightarrow$	Singapore (91)	571	621	425 →	4999	9.3	2.3 ->
$\rightarrow$	Slovakia (97)	464	358	222 ->	1984 →	5.5 11	0.5

Social Watch 45 Information, science and technology







Summary: CURRENT SITUATION (colour) EVOLUTION (arrow-icon)	COUNTRIES (BCI value, 0-100)	INTERNET USERS (per 1,000 people)	PERSONAL COMPUTERS (per 1,000 people)	TELEPHONE Mainlines (per 1,000 people)	SCIENTISTS AND ENGINEERS IN R&D¹ (per million people)	ICT <sup>2</sup> EXPENDITURE (% of GDP)	R&D¹ EXPENDITURE (% of GDP)
$\rightarrow$	Slovenia (99)	545	404	408	2543 ->	3.1 11	1.6 II
$\rightarrow$	Solomon Islands (82)	8 ->	46 →	16 11			
$\rightarrow$	Somalia (—)	11 →	6 →	12 ->			
$\rightarrow$	South Africa (89)	109 ->	85 →	101 ->	307 ←	10.0	0.8
$\rightarrow$	Spain (99)	348>	277	422	2195	3.6	1.1
$\rightarrow$	Sri Lanka (98)	14 →	27 ->	63 ->	128* ←	5.4	0.1
$\rightarrow$	St Kitts and Nevis (95)	214	234	532			
$\rightarrow$	St Lucia (98)	339	160	321			0.4*
$\rightarrow$	St Vincent and Grenadines (93)	84 →	135 →	189 →			0.2
$\rightarrow$	Sudan (76)	77 <del>→</del>	90 ->	18 →			0.3
	Suriname (86)	71 <b>→</b>	46	180			
$\rightarrow$	Swaziland (77)	32 →	32 →	31 ->			
$\rightarrow$	Sweden (100)	764	763	717 ->	5416	7.2	3.7
$\rightarrow$	Switzerland (97)	498 ->	865	689	3601* →	7.7 <b>II</b>	2.6
$\rightarrow$	Syria (94)	58 →	42 ->	152	29*		
_	Tajikistan (85)	1 II		38 ←	660* ←		
$\rightarrow$	Tanzania (73)	9 ->	7 <del>→</del>	4 11			
$\rightarrow$	Thailand (96)	110 →	58 →	110 ->	287 →	4.0	0.3
$\rightarrow$	Togo (71)	49 ->	30 →	10 ->			
$\rightarrow$	Tonga (95)	29 ->	49 ->	111 ->			
$\rightarrow$	Trinidad and Tobago (95)	123 ->	79 →	248			0.1
$\rightarrow$	Tunisia (95)	95 ->	57 <b>→</b>	125 ->	1013 ->	6.0 →	0.6
$\rightarrow$	Turkey (92)	222	52 →	263	341 →	8.2 11	0.7
_	Turkmenistan (—)	8 ->		80 ->			
$\rightarrow$	Uganda (59)	17 →	9 ->	4 11			0.8
$\rightarrow$	Ukraine (99)	97 ->	38 →	256		7.8 11	1.2
$\rightarrow$	United Arab Emirates (99)	308	197	273 ->		3.6	
$\rightarrow$	United Kingdom (99)	473	600	528 ->	2706*	7.0 ←	1.9 11
$\rightarrow$	United States of America (99)	630	762	606 ->	4605	8.7 ←	2.7
$\rightarrow$	Uruguay (96)	202 ->	130	304	366 →	7.8	0.3
_	Uzbekistan (—)	34 →		67 II			
$\rightarrow$	Vanuatu (87)	38 →	14 →	33 →			
$\rightarrow$	Venezuela (95)	125 ->	82 →	136 ->		3.7	0.3
$\rightarrow$	Vietnam (90)	129 ->	13 →	191	115 ←	15.2	0.2
_	Virgin Islands (USA) (—)	276		652			
$\rightarrow$	West Bank and Gaza (—)	67 ->	48 ->	96 →			
$\rightarrow$	Yemen (61)	9 ->	15 →	39 →			
$\rightarrow$	Zambia (73)	20 ->	10 →	8 11	51* →		0.0* 11
$\rightarrow$	Zimbabwe (80)	77 <del>-&gt;</del>	92 ->	25 ->		4.5	

NOTES: (\*) Data refer to years or periods other than those specified in the column heading.

- Figure 0 means a value under 0.5

  (1) Research and Development.
- (2) Information and Communication Technology.

**SOURCE:** World Development Indicators 2008, World Bank (www.worldbank.org).

For more detailed information on the reference years of the data see complete tables at: www.socialwatch.org/statistics2008

#### DEFINITION OF INDICATORS:

**(** 

**Internet users (per 1,000 people)**: People with access to the internet, per 1,000 people.
Last available data: 2001-2004; evolution since 1990.

Personal computers (per 1,000 people): Personal computers are self-contained computers designed to be used by a single individual, per 1,000 people. Last available data: 2001-2005; evolution since 1990.

**Telephone mainlines (per 1,000 people)**: Telephone lines connecting a customer's equipment to the public switched telephone network. Data are presented per 1,000 people for the entire country.

Last available data: 2001-2005; evolution since 1990.

Scientists and engineers in research and development (per million people): People trained to work in any field of science who are engaged in professional R&D (research and development) activity, per million people. Most such jobs require completion of tertiary education.

Last available data: 2004; evolution since 1996.

Information and communication technology expenditure (% of GDP): Includes external spending on information technology ('tangible' spending on information technology products purchased by businesses, households, governments, and education institutions from vendors or organizations outside the purchasing entity), internal spending on information technology ('intangible' spending on internally customized software, capital depreciation, and the like), and spending on

telecommunications and other office equipment. Expressed as percentage of gross domestic product (GDP). Last available data: 2005; evolution since 2000.

Research and development expenditure (% of GDP): Expenditures for research and development are current and capital expenditures (both public and private) on creative work undertaken systematically to increase knowledge, including knowledge of humanity, culture, and society, and the use of knowledge for new applications. R&D covers basic research, applied research, and experimental development. Expressed as percentage of gross domestic product (GDP). Last available data: 2000-2005; evolution since 1996.

Methodological notes and guidelines at, the end of the section.

Measuring progress 46 Social Watch



### INFORMATION, SCIENCE AND TECHNOLOGY

# The ruses of inequity: from digital to cognitive gap

As the appearance of new information and digital technologies has consolidated what is known as the third industrial revolution, their impact has become an object of debate over the so-called "knowledge society". In the UNESCO World Report Towards Knowledge Societies, Director General Koichiro Matsuura asks, "Which types of knowledge are we talking about? Do we have to endorse the hegemony of the techno-scientific model in defining legitimate and productive knowledge? And what of the imbalances that mark access to knowledge and the obstacles confronting it, both locally and globally?"

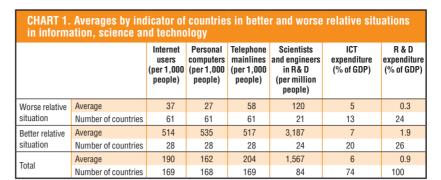
On the other hand, knowledge societies add new inequities without resolving those inherent to the "society model". To the well established problem of the "digital gap", that is, the socioeconomic difference between communities that have access to information and communication technologies (ICTs) and those that do not, a more profound and more subtle gap is added: the "cognitive gap", which is related to the differences in the ability to assimilate and use ICTs effectively, due to their different levels of literacy and technological capacity.

The cognitive gap determines that even if parity is reached in the access to knowledge and information, the ability to assimilate this information and knowledge will be differential, and certainly smaller, in societies and sectors that lack the minimum necessary elements to assimilate the new tools. Consequently, any attempt to bridge the digital gap between societies will lead to an increase of inequities if, apart from the chances to access them, the opportunities for incorporating them are not equalled.

#### **Contradictory trends**

This occurs in a paradoxical context, in which two opposite tendencies coexist: on the one hand, the new technologies facilitate access to information; on the other, there is a growing tendency, under the excuse that it is a necessary (military, scientific, commercial, professional, etc.) secret, to exclude increasingly larger sectors of the population from a significant part of the information generated.

Maybe one of the more obvious manifestations of the second tendency is observed in the huge imbalance between the societies of the North and those of the South regarding copyright, or even the "brain drain", two processes that not only reinforce the imbalance between North and South, but also within each zone, within regions and within societies. In this respect, the UNESCO document states that "Knowledge societies will be knowledge societies for all only on the condition that we can actually get beyond this asymmetric opposition between producers and users of knowledge contents."<sup>2</sup>



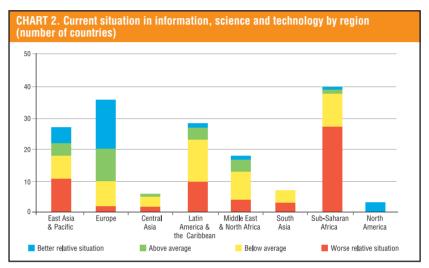


CHART 3. Current situation and evolution in information, science and technology (number of countries)										
	$\leftarrow$	<b>←</b>	П	$\rightarrow$	$\rightarrow$	Total				
Worse relative situation	0	0	6	50	3	59				
Below average	0	0	4	38	13	55				
Above average	0	0	0	6	18	24				
Better relative situation	0	0	0	6	21	27				
Total	0	0	10	100	55	165				

### The gap in numbers

If we analyze the table "Information, science and technology: The ruses of inequity: from the digital to the cognitive gap", where the five indicators are disaggregated, the persistence of very significant distances between countries becomes more evident. Chart 1 summarizes the gaps between countries in the better and worse situation. For example, the number of scientists and engineers per million inhabitants is almost 30 times higher for the group of countries in the better relative situation. When considering the indicators related not only to the development capacity of countries, but also to the access to its products, such as the number of Internet users, we see that, although the difference is still vast, the "gap", in terms related to the first indicator, is half as large. There are 14 times less Internet users in countries in the worse relative situation

When considering the worse situations according to region of the countries in Chart 2, it is easy to see the asymmetry according to geographic zones.

While around two out of three countries in Sub-Saharan Africa are in the worse relative situation, the situation is diametrically opposite to Europe, and is excellent in North America where there are only countries that belong to the most privileged group.

However, even in the most excluded zones there is significant evolution. Chart 3 shows a trend towards a positive evolution that is not only true for most countries but also has speeded up, since there is an increase in the group of countries with significant progress with respect to the 2007 Social Watch Report. This trend is particularly encouraging for Latin America and the Caribbean, where more than 50% of the countries show significant progress. This is in contrast to less positive zones, such as Sub-Saharan Africa, where some of the worse situations are found as well as the stagnant: this region includes 6 of the 10 countries with not recent evolution at all.

Social Watch 47 Information, science and technology

<sup>1</sup> UNESCO (2005). Towards Knowledge Societies. UNESCO Publishing. Available at: <unesdoc.unesco.org/ images/0014/001418/141843e.pdf>.

<sup>2</sup> Ibio