

# Tracking the Progress on Water Supply Goals in Asia and the Pacific

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**Main  
source of  
reference**



**ASIA WATER  
WATCH 2015**

Are Countries in Asia on Track to Meet Target 10  
of the Millennium Development Goals?



## Points of discussion

- **Coverage of water supply in Asia and the Pacific**
- **Trends for the urban areas**
- **Trends for the rural areas**
- **Cost of meeting MDGs in water supply**
- **Remarks**

Source: Seetharam, ADB, 2005

### On access to improved drinking water

Sub-regions	Number of people in region lacking access (millions)	Share of all unserved living in indicated region (percent)
Eastern Asia	303	28%
South Asia	234	22%
Southeast Asia	115	11%
Western Asia	23	2%
Eurasia	20	2%
Oceania	3	<1%
<b>Total</b>	<b>698</b>	<b>65%</b>
Rest of the world	378	35%

Year	Population			Water Supply Coverage (%)							
	Total	Urban	Rural	Total		Urban		Rural			
	('000)	(%)	(%)	Total Access	Household Connections	Total Access	Household Connections	Total Access	House Connections	Total Access	
Asia and the Pacific	1990	3,263,921	33	67	74	38	95	70	64	22	34
	2002	3,838,218	39	61	82	43	94	73	75	24	49
East and Northeast Asia	1990	1,349,962	33	67	74	55	99	85	62	40	32
	2002	1,502,315	42	58	80	64	94	92	70	43	50
North and Central Asia	1990	215,178	65	35	91	71	96	86	82	42	82
	2002	217,858	63	37	91	72	98	90	79	40	79
Pacific	1990	26,672	70	30	89	67	100	93	63	6	90
	2002	31,828	73	27	87	69	99	92	53	8	87
South and Southwest Asia	1990	1,232,183	28	72	71	21	90	56	64	7	23
	2002	1,550,605	31	69	85	26	94	54	80	13	39
Southeast Asia	1990	439,926	32	68	73	14	91	37	65	3	48
	2002	535,612	41	59	79	23	91	45	70	8	61

### Water supply coverage (JMP 2004)

Subregion	1990			2002			Meeting Target 10		2015 projected
	Total WS (%)	Urban WS (%)	Rural WS (%)	Total WS (%)	Urban WS (%)	Rural WS (%)	Target increase (%)	Target total coverage (%)	WS coverage (%)
East and Northeast Asia	70	100	59	80	94	69	15	85	91
North and Central Asia	92	96	82	91	98	79	3	95	90
Pacific	89	100	65	87	98	56	6	95	85
South and Southwest Asia	71	90	64	85	94	80	15	86	102
Southeast Asia	73	91	65	78	91	70	14	87	83

Table 2. DRINKING WATER COVERAGE ESTIMATES FOR SUBREGIONS IN ASIA AND THE PACIFIC, 1990 and 2002 (in million)

Subregion	1990								
	Population <sup>a</sup>			Served Population <sup>b</sup>			Unserved Population		
	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural
East and Northeast Asia	1,351	446	905	994	445	549	357	1	356
North and Central Asia	215	140	75	196	135	61	19	5	14
Pacific	27	19	8	24	19	5	3	-	3
South and Southwest Asia	1,232	345	887	875	310	568	357	35	319
Southeast Asia	440	141	299	321	128	194	119	13	105
<b>Totals</b>	<b>3,265</b>	<b>1,091</b>	<b>2,174</b>	<b>2,410</b>	<b>1,037</b>	<b>1,377</b>	<b>855</b>	<b>54</b>	<b>797</b>
Subregion	2002								
	Population <sup>a</sup>			Served Population <sup>b</sup>			Unserved Population		
	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural
East and Northeast Asia	1,502	631	871	1,202	591	604	300	40	260
North and Central Asia	216	135	81	197	133	68	19	2	17
Pacific	32	23	9	28	23	5	4	-	4
South and Southwest Asia	1,551	481	1,070	1,318	457	871	233	24	209
Southeast Asia	536	220	316	423	201	226	113	19	94
<b>Totals</b>	<b>3,837</b>	<b>1,490</b>	<b>2,347</b>	<b>3,168</b>	<b>1,405</b>	<b>1,774</b>	<b>669</b>	<b>85</b>	<b>584</b>
<b>Increase from 1990 to 2002</b>	<b>572</b>	<b>399</b>	<b>173</b>	<b>758</b>	<b>368</b>	<b>397</b>	<b>(186)</b>	<b>31</b>	<b>(213)</b>

a. Breakdown of population was based on data provided by the WHO/UNICEF JMP for Water Supply and Sanitation.  
b. Refer to Annex B for regional percentages of access to water supply; access rates were computed from figures given in the WHO/UNICEF JMP for Water Supply and Sanitation.  
Note: Totals may not tally due to rounding.

Table 3-A: COVERAGE AND PROJECTIONS for 2015 – URBAN WATER SUPPLY (in thousand)

Subregion/Country	Urban Population		Served Urban Population				Projections for 2015			Target 10 Achievement Prospects
	1990	2002	1990 Served Pop.	1990 Coverage (%)	2002 Served Pop.	2002 Coverage (%)	Urban Pop.	Served Urban Pop.	Coverage (%)	
<b>East and Northeast Asia</b>										
China, People's Republic of	311,932	492,049	311,932	100	452,686	92	694,139	690,256	98	♠
Korea, Dem. People's Rep. of	11,574	13,750	11,574	100	13,750	100	15,571	15,571	100	♠
Korea, Republic of <sup>a</sup>	31,723	37,944	30,771	97	36,806	97	41,251	41,251	100	♠
Mongolia	1,263	1,459	1,099	87	1,269	87	1,845	1,476	80	○
Japan <sup>a</sup>	77,916	100,295	77,916	100	100,295	100	86,114	86,114	100	♠

Legend: ♠ = on track ○ = off track

a. Does not have complete baseline data

Notes: 1. Blanks indicate unavailability of data. 2. "On track" means that the country has either a) reached the target, b) exceeded the target, or c) is within 3-5% of the target.

Table 3-A: COVERAGE AND PROJECTIONS for 2015 – URBAN WATER SUPPLY (in thousand)

Subregion/Country	Urban Population		Served Urban Population				Projections for 2015			Target 10 Achievement Prospects
	1990	2002	1990 Served Pop.	1990 Coverage (%)	2002 Served Pop.	2002 Coverage (%)	Urban Pop.	Served Urban Pop.	Coverage (%)	
<b>North and Central Asia</b>										
Armenia <sup>a</sup>	2,375	1,997	2,351	99	1,977	99	1,926	1,907	99	🔴
Azerbaijan	3,884	4,149	3,107	80	3,941	95	4,874	4,874	100	🟢
Kazakhstan	9,581	8,663	9,198	96	8,316	96	8,905	8,548	96	🟡
Kyrgyz Republic <sup>a</sup>	1,670	1,723	1,637	98	1,688	98	2,089	2,047	98	🟡
Russian Federation	108,253	105,180	105,006	97	104,128	99	99,116	99,116	100	🟢
Uzbekistan	8,206	9,511	7,960	97	9,226	97	11,359	10,791	95	🟡
<b>South and Southwest Asia</b>										
Bangladesh	21,880	34,514	18,161	83	28,302	82	53,694	45,766	85	🟡
India	220,069	293,874	193,660	88	282,119	96	401,341	401,341	100	🟢
Iran, Islamic Republic of	31,754	44,926	31,119	98	44,028	98	60,155	60,155	100	🟢
Maldives	56	87	56	100	86	99	141	138	98	🟢
Nepal	1,676	3,691	1,576	94	3,433	93	6,560	6,232	95	🟡
Pakistan	34,379	50,970	32,660	95	48,421	95	80,778	74,183	92	🟡
Sri Lanka	3,534	3,971	3,216	91	3,931	99	4,635	4,635	100	🟢
Turkey	33,980	46,410	31,261	92	44,553	96	59,030	59,030	100	🟢

Table 3-A: COVERAGE AND PROJECTIONS for 2015 – URBAN WATER SUPPLY (in thousand)

Subregion/Country	Urban Population		Served Urban Population				Projections for 2015			Target 10 Achievement Prospects
	1990	2002	1990 Served Pop.	1990 Coverage (%)	2002 Served Pop.	2002 Coverage (%)	Urban Pop.	Served Urban Pop.	Coverage (%)	
<b>Pacific</b>										
Australia <sup>a</sup>	14,357	17,929	14,357	100	17,929	100	20,593	20,593	100	🟢
Cook Islands	10	12	10	99	12	98	14	14	100	🟢
French Polynesia	109	125	109	100	125	100	155	146	94	🟡
Guam	122	152	122	100	152	100	185	185	100	🟢
Kiribati	25	40	19	76	31	77	62	52	83	🟡
Marshall Islands	29	34	27	95	27	80	70	28	40	🟡
Micronesia, Fed. States of	25	31	23	93	30	95	35	35	100	🟢
New Zealand <sup>a</sup>	2,890	3,376	2,890	100	3,376.0	100	3,654	3,654.0	100	🟢
Niue	1	1	1	100	1	100	1	1	100	🟢
Northern Mariana Is.	39	71	38	98	70	98	94	94	100	🟢
Palau	11	14	7	71	11	79	14	14	100	🟢
Papua New Guinea	535	726	471	88	639	88	1,044	890	85	🟡
Samoa	34	39	33	99	35	91	49	38	76	🟡
Tonga	31	34	31	100	34	100	38	38	100	🟢
Tuvalu	4	5	3	92	5	94	7	7	100	🟢
Vanuatu	28	46	26	93	39	85	86	59	69	🟡

Table 3-A: COVERAGE AND PROJECTIONS for 2015 – URBAN WATER SUPPLY (in thousand)

Subregion/Country	Urban Population		Served Urban Population				Projections for 2015			Target 10 Achievement Prospects
	1990	2002	1990 Served Pop.	1990 Coverage (%)	2002 Served Pop.	2002 Coverage (%)	Urban Pop.	Served Urban Pop.	Coverage (%)	
<b>Southeast Asia</b>										
Indonesia	56,456	95,538	51,940	92	85,028	89	144,731	124,469	86	○
Malaysia	8,923	15,098	8,566	96	14,494	96	21,016	21,016	100	◆
Myanmar	10,127	14,167	7,392	73	13,459	95	20,981	20,981	100	◆
Philippines	29,941	47,148	27,845	93	42,433	90	66,640	57,976	87	○
Singapore <sup>b</sup>	3,016	4,170	3,016	100	4,170	100	4,815	4,815	100	◆
Thailand	15,773	19,902	13,722	87	18,907	95	25,543	25,543	100	◆
Viet Nam	13,215	20,070	12,290	93	18,665	93	30,683	29,351	96	◆

Legend: ◆ = on track ○ = off track

<sup>b</sup> Does not have complete baseline data

Notes: 1. Blanks indicate unavailability of data. 2. "On track" means that the country has either a) reached the target, b) exceeded the target, or c) is within 3-5% of the target.

Source: Seetharam, ADB, 2005

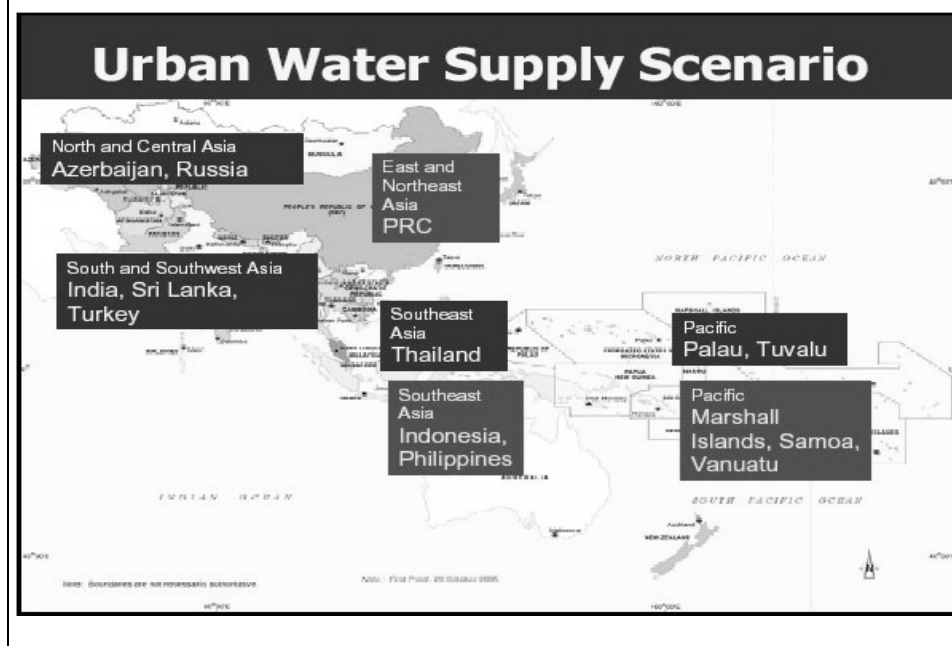


Table 3-B: COVERAGE AND PROJECTIONS for 2015 – RURAL WATER SUPPLY (in thousand)

Subregion/Country	Rural Population		Served Rural Population				Projections for 2015			Target 10 Achievement Prospects
	1990	2002	1990 Served Pop.	1990 Coverage (%)	2002 Served Pop.	2002 Coverage (%)	Rural Pop.	Served Rural Pop.	Coverage (%)	
<b>East and Northeast Asia</b>										
China, People's Republic of	843,373	802,818	497,590	59	545,916	68	708,162	601,937	85	♣
Korea, Dem. People's Rep. of	8,382	8,791	8,382	100	8,791	100	8,129	8,129	100	♣
Korea, Republic of <sup>a</sup>	11,146	9,486			6,735	71	8,449			
Mongolia	953	1,100	286	30	330	30	1,256	389	31	○
Japan <sup>a</sup>	45,621	27,145	45,621	100	27,145	100	41,086	41,086	100	

Legend: ♣ = on track ○ = off track  
<sup>a</sup> Does not have complete baseline data

<b>North and Central Asia</b>										
Azerbaijan	3,308	4,149	1,621	49	2,448	59	4,627	3,239	70	♣
Kazakhstan	7,228	6,806	5,204	72	4,901	72	6,395	4,591	72	○
Russian Federation	40,039	38,902	34,433	86	34,234	88	34,284	30,855	90	♣
Uzbekistan	12,309	16,194	10,340	84	13,603	84	19,341	16,246	84	○
<b>Pacific</b>										
Australia <sup>a</sup>	2,516	1,730	2,516	100	1,730	100	1,107	1,107	100	♣
Cook Islands	8	6	7	87	5	88	3	2.7	89	○
French Polynesia	86	116	86	100	116	100	136	136	100	♣
Guam	22	16	22	100	16	100	9	9	100	♣
Kiribati	47	47	15	33	25	53	38	38	100	♣
Marshall Islands	15	18	15	97	17	95	31	19	62	○
Micronesia, Fed. States of	71	77	60	85	72	94	65	65	100	♣
New Zealand <sup>a</sup>	520	563	520	100	563	100	546	546	100	♣
Niue	1	1	1	100	1	100	1	1	100	♣
Northern Mariana Is.	5	5	5	100	4	97	4	3.8	94	○
Palau	5	6	4	99	6	94	7	6	89	○
Papua New Guinea	3,579	4,860	1,145	32	1,555	32	6,156	2,166	35	○
Samoa	126	137	112	89	121	88	151	130	86	○
Tonga	68	69	68	100	69	100	62	62	100	♣
Tuvalu	5	5	5	89	4	92	4	4	100	♣
Vanuatu	121	161	64	53	84	52	214	113	53	○

Table 3-B: COVERAGE AND PROJECTIONS for 2015 – RURAL WATER SUPPLY (in thousand)

Subregion/Country	Rural Population		Served Rural Population				Projections for 2015			Target 10 Achievement Prospects
	1990	2002	1990 Served Pop.	1990 Coverage (%)	2002 Served Pop.	2002 Coverage (%)	Rural Pop.	Served Rural Pop.	Coverage (%)	
<b>South and Southwest Asia</b>										
Bangladesh	87,522	109,295	59,515	68	78,692	72	127,706	97,056	76	○
India	626,349	755,675	382,073	61	619,654	82	845,059	845,059	100	●
Iran, Islamic Rep. of	24,949	23,144	20,708	83	19,209	83	21,245	17,708	83	○
Maldives	160	222	158	99	174	78	259	192	74	○
Nepal	16,949	20,918	11,356	67	17,152	82	25,440	21,624	85	●
Pakistan	76,522	98,941	59,687	78	86,079	87	123,723	111,350	90	●
Sri Lanka	13,296	14,939	8,243	62	10,756	72	15,965	14,349	90	●
Turkey	23,613	23,908	15,349	65	20,800	87	23,070	19,609	85	●
<b>Southeast Asia</b>										
Indonesia	125,661	121,593	77,910	62	83,899	69	105,669	80,308	76	○
Myanmar	30,380	34,685	12,152	40	25,667	74	34,819	24,373	70	●
Philippines	31,163	31,432	25,554	82	24,203	77	29,660	22,819	77	○
Thailand	38,616	42,291	30,121	78	33,833	80	44,057	36,127	82	○
Viet Nam	52,859	60,209	35,416	67	40,340	67	64,017	46,450	73	○

Legend: ● = on track ○ = off track

a. Does not have complete baseline data

Notes: 1. Blanks indicate unavailability of data. 2. "On track" means that the country has either a) reached the target, b) exceeded the target, or c) is within 3-5% of the target.

Source: Seetharam, ADB, 2005

## Rural Water Supply Scenario





Annual costs for water supply and sanitation development in the Asia-Pacific region (total costs per year, million USD, year 2000 prices)

	MDG Target 10	Access for all by 2015	Access for all + disinfection at point of use	Regulated, in-house piped WSS connection
East and Northeast Asia	2.99	5.99	6.38	24.55
North and Central Asia	0.20	0.39	0.49	4.12
Pacific	0.02	0.04	0.05	0.24
South and Southwest Asia	3.95	7.90	8.40	40.83
Southeast Asia	0.96	1.91	2.08	15.55
<b>Total</b>	<b>8.11</b>	<b>16.24</b>	<b>17.40</b>	<b>85.28</b>

Source (cited by ADB): UNESCAP

## Remarks

- **The Study by ADB, UNDP, UNESCAP and WHO also examined benefits of water supply in terms of Time saved, Health benefits and Income opportunities**
- **It also examined factors required to achieve Target 10**
- **Continued efforts are required to monitor progress**
- **UNESCAP is being encouraged to coordinate the monitoring of WSS to prepare for the Summit under Asia-Pacific Water Forum in 2007**

**Thank you**