

Chapter Six:

Water Resources

This chapter provides the status of water resources in ESCWA member countries between 2000 and 2005 covering average precipitation; total surface water; groundwater recharge; renewable fresh water from conventional and non-conventional sources; desalination production; water reuse, per capita water resources; water deficit; water use intensity; water stress index; groundwater dependency; ground water quality; sectoral water withdrawal; waste water management and water market.

Data were mostly compiled from replies of questionnaires by focal points of ESCWA's Committee on Water Resources and replies of the statistical offices in ESCWA region. In addition, other sources of data included specialized studies published by ESCWA and international organizations, with priority given to United Nations sources.

Tables VI-1 illustrates the average precipitation in the ESCWA region between 2000 and 2003. Table VI-2 gives the total surface water by country and Table VI-3 looks at groundwater recharge.

Table VI-4 details desalination production in ESCWA countries.

Table VI-5 presents the total renewable freshwater resources from conventional sources and Table VI-6 shows the total non-conventional water resources in the ESCWA region which amounted to approximately 18 million cubic meters in 2003 raising water resources per capita per year to 1,029 cubic meters.

Table VI-7 details total conventional and non conventional water resources in ESCWA countries.

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Table VI-8 details the water re-use and agricultural drainage re-use in ESCWA countries.

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Table VI-9 gives selected indicators on water resources. Table VI-10 looks at selected indicators of water use.

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Table VI-11 illustrates sectoral water withdrawal by uses (domestic, agricultural, industrial and others..). Table VI-12 shows the proportion of sectoral water withdrawal out of total withdrawal by country.

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Table VI- 13 presents total water withdrawal. Table VI-14 details waste water management and Table VI-15 gives the treatment capacity. Table VI-16 gives the water market in 2005.

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