



Experts Workshop
Madrid, 3 – 4 July 2007

Feasibility Study on the Mediterranean Water Observation Mechanism

Agriculture Indicators

Presented by: Louis M. Loizou

Contents

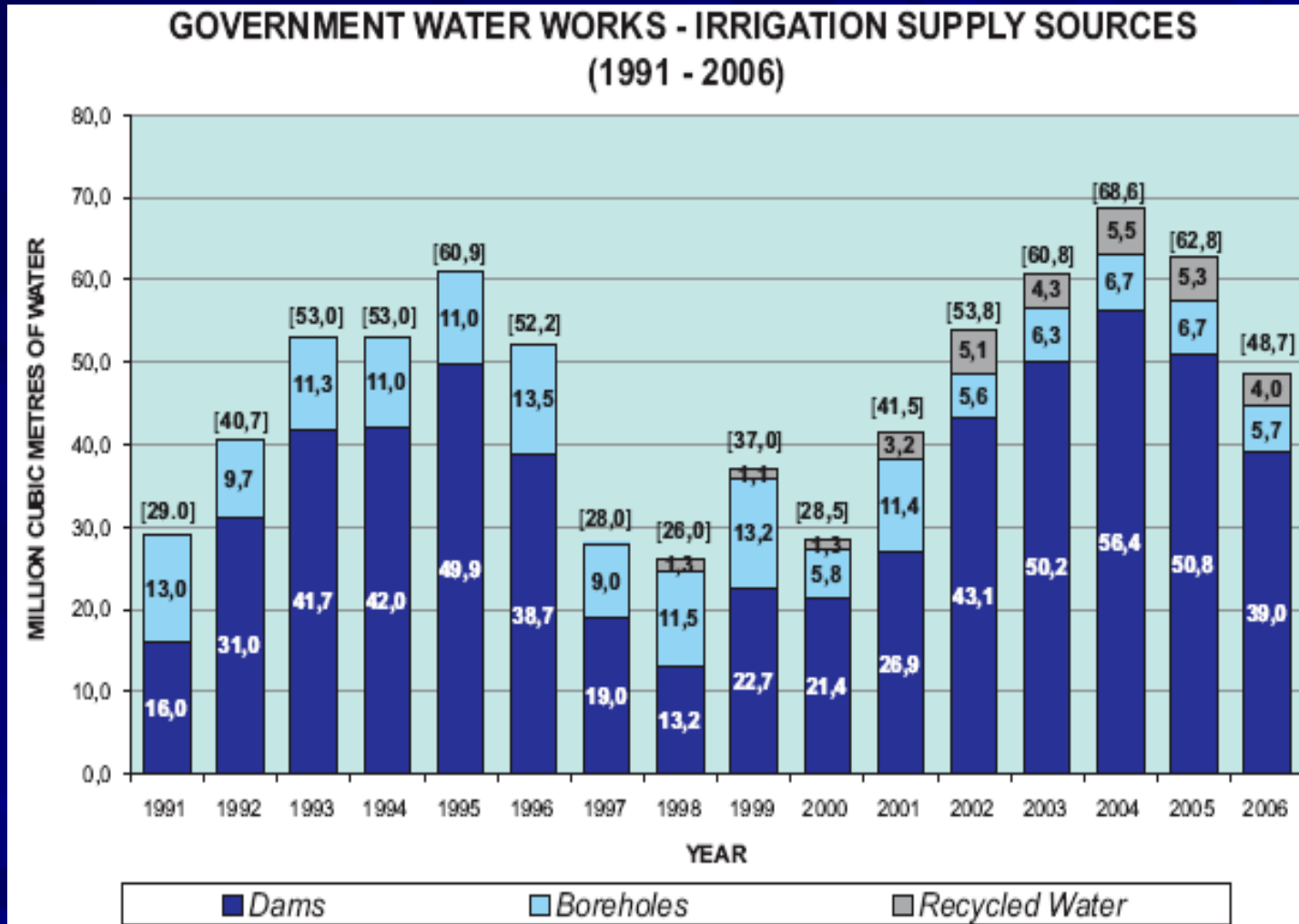
- Indicators for Agriculture
 - Treated waste water reused,
 - Area equipped for irrigation,
 - Agriculture water requirements
- Comments on Indicators
- Difficulties Faced

Treated Waste Water Reused

Total treated waste water reused (10 ⁶ m ³ /year)				
Year 1990 to 2007	Source 1	Source 2	Source 3	Other sources
1990 - 1997	No Data Available			
1998	--	1.3	--	--
1999	--	1.1	--	--
2000	--	1.3	--	--
2001	--	3.2	--	--
2002	--	5.1	--	--
2003	--	4.3	--	--
2004	--	5.5	--	--
2005	--	5.3	--	--
2006	--	4.0	--	--
2007	--	--	--	--

Source: Water
Development
Department

Treated waste water reused



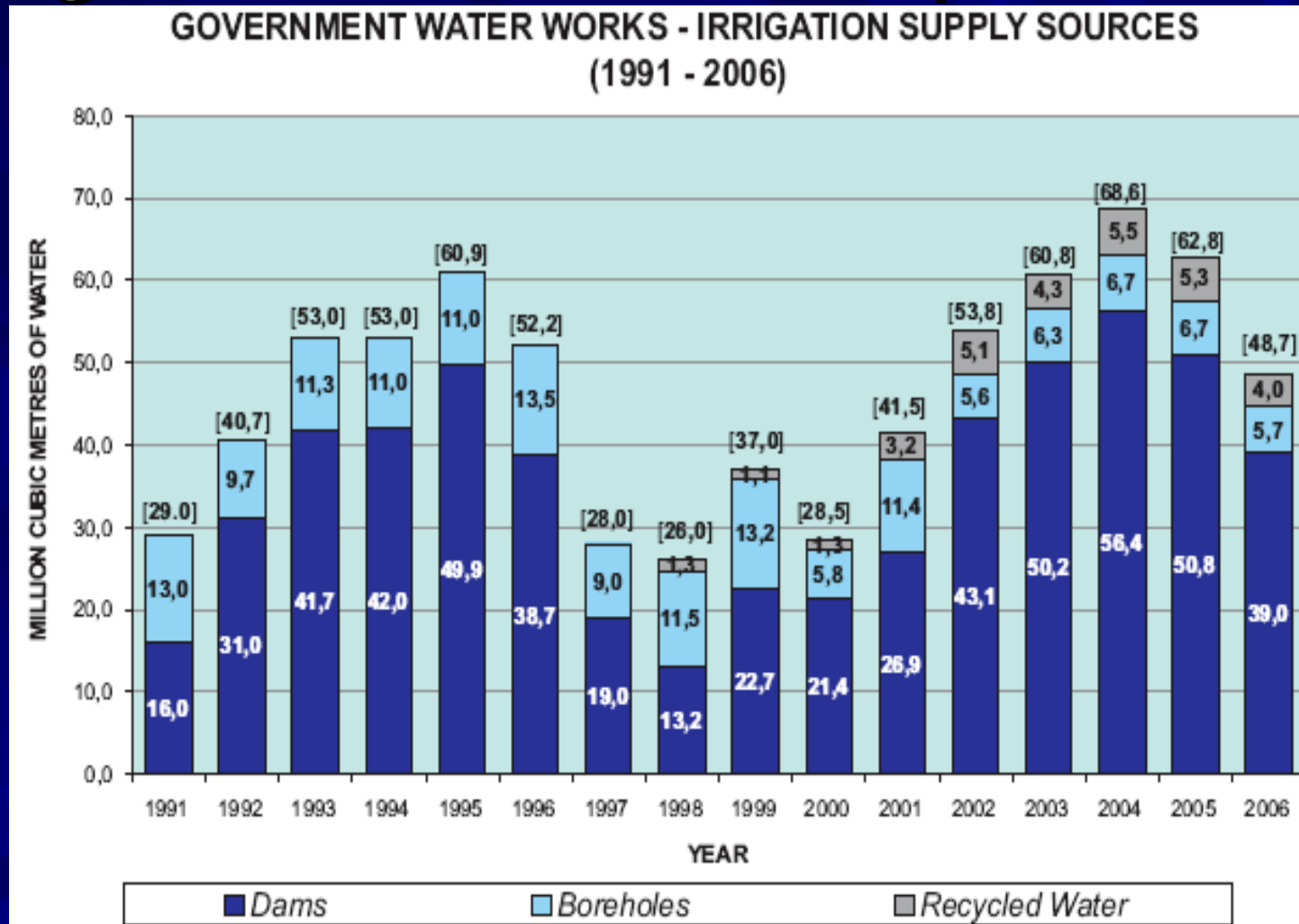
Area equipped for irrigation - 2004

Source	Irrigation system (1000Ha)		
	Surface	Sprinkler	Localized
Underwater	-	-	-
Surface	-	154	50
Other sources	-	-	-

Agriculture water requirements

Agriculture water requirement (10 ⁶ m ³ /year)				
Year 1990 to 2007	Source 1	Source 2	Source 3	Other sources
1990	--	--	--	--
1991	--	28.13	--	--
1992	--	39.47	--	--
1993	--	51.41	--	--
1994	--	51.41	--	--
1995	--	59.07	--	--
1996	--	50.44	--	--
1997	--	27.16	--	--
1998	--	25.22	--	--
1999	--	35.89	--	--
2000	--	27.16	--	--
2001	--	40.25	--	--
2002	--	51.41	--	--
2003	--	59.07	--	--
2004	--	65.96	--	--
2005	--	60.91	--	--
2006	--	47.23	--	--
2007	--	--	--	--

Agriculture water requirements



Comments on Indicators

- Indicators are produced and maintained by the Water Development Department
- Main indicators are readily available and up to date
- Main indicators are publicly available
- Treated wastewater used is less than produced due to skepticism of the consumers

Difficulties Faced

- Data was missing
- Data was not readily available
- Indicator is not used or maintained in the required detail
- Confusion as to responsible department that produces the required data

All of the above concern the Area Equipped for Irrigation