



SESRIC

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**Statistical, Economic and Social Research and
Training Centre for Islamic Countries (SESRIC)**

- **Research:** To study and evaluate the economic and social developments in the Member States to help generate proposals that will initiate and enhance cooperation among them
- **Statistics:** To collate, process and disseminate socio-economic statistics and information on and for the utilisation of the Member States
- **Training and Technical Cooperation:** To organise training programmes in selected fields geared to the needs of the Member States as well as to the general objectives of the Organization of the Islamic Cooperation (OIC)



Water Resources: Availability

Comparatively low water resources per capita

	Average Precipitation in Depth (mm/yr)	IRWR (km ³ /yr)	ERWR (km ³ /yr)	TRWR (km ³ /yr)	TRWR per Capita (m ³ /yr)	Dependency Ratio (%)
OIC Countries	47,209	5,286	1,964	7,250	4,724	27.1
World	211,159	42,504	11,400	53,904	8,571	21.0
OIC as % of World	22.5	12.4	17.2	13.5		

Average precipitation in depth in OIC countries accounted for **22.5%** of the world average. Yet, OIC countries account for only **13.5%** of the world **TRWR**

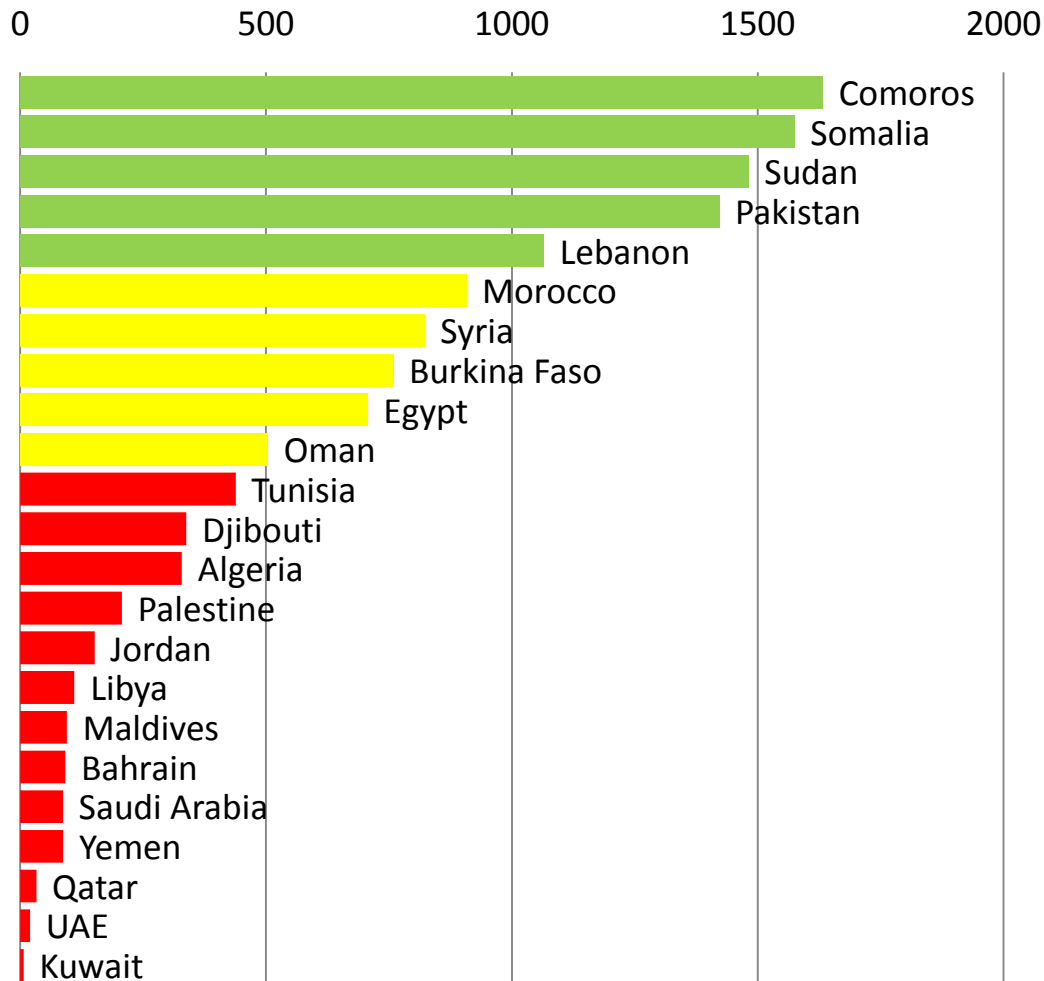
Dependency ratio (dependency to ERWR) in OIC region is **27.1%** compared to **21%** in the world

Average **TRWR/capita** in OIC countries is **4,724 m³/yr** compared to the world average of 8,571 m³/yr



Water Resources: Availability

Water nears scarcity threshold....



23 OIC countries suffer **water stress** and **water scarcity**. Among these:

5 countries facing **water stress** with TRWR/capita ≤ 1700 m³/year

5 countries facing **water scarcity** with TRWR/capita ≤ 1000 m³/year

13 countries facing **absolute water scarcity** with TRWR/capita ≤ 500 m³/year

Water Resources: Use

Pressure on water resources is mounting...

	Total Water Withdrawal			Agricultural Water Withdrawal		
	km ³ /yr	% of IRWR	% of TRWR	km ³ /year	% of Total Withdrawal	% of TRWR
OIC Countries	928	17.6	12.8	800	86.2	11
World	2,871	7.4	7.2	2,727	70	5.1
OIC as % of World	23.8			29.4		

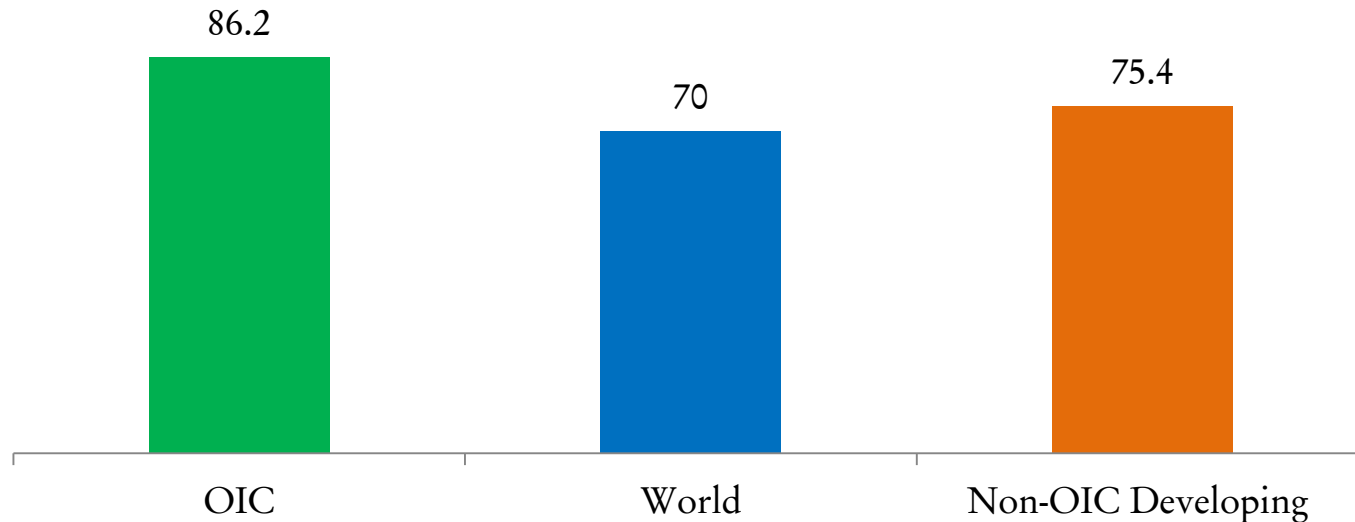
Water withdrawal reached almost **17.6%** of IRWR in OIC countries compared to **7.4%** in the world. (If $\geq 25\%$ » pressure on water resources)

Mainly due to over-exploitation, **23** OIC countries are suffering **pressure on their water resources** (i.e. water stress or water scarcity)

About **86.2%** of the total water in OIC countries is withdrawn for agricultural purposes compared to 70% in the world

Water Resources: Use

High share of agriculture in total water withdrawals..

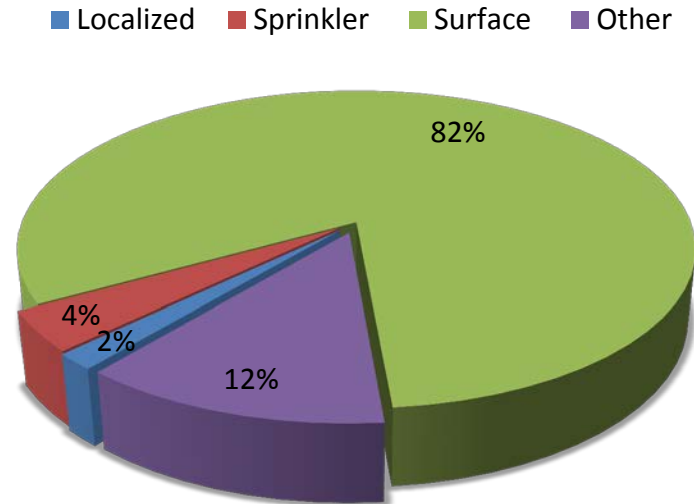


About **86.2%** of the total water in OIC countries is withdrawn for agricultural purposes compared to 70% in the world.

As everywhere else, the bulk of agricultural water withdrawal in the OIC countries is used in irrigation. And most of it is not used even efficiently.....mainly due to inefficient and out dated irrigation techniques.

Water Resources: Use

Shift to more effective irrigation methods is needed



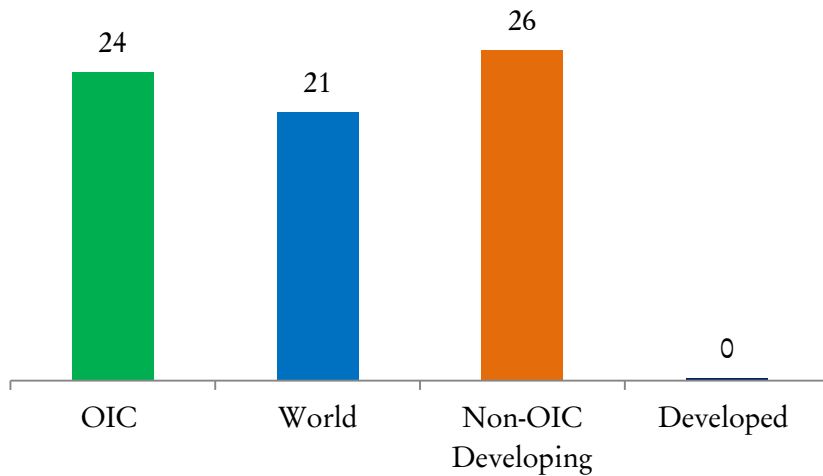
25.4% of total arable land is **equipped with irrigation** in OIC region, that accounts for only 5.3% of their total agricultural area (world average is 6.1%).

82% of irrigation is done with **surface irrigation** technique whereas only **2%** with **Localized** irrigation and about **4%** with **Sprinkle** irrigation which are the most efficient and water-saving irrigation techniques

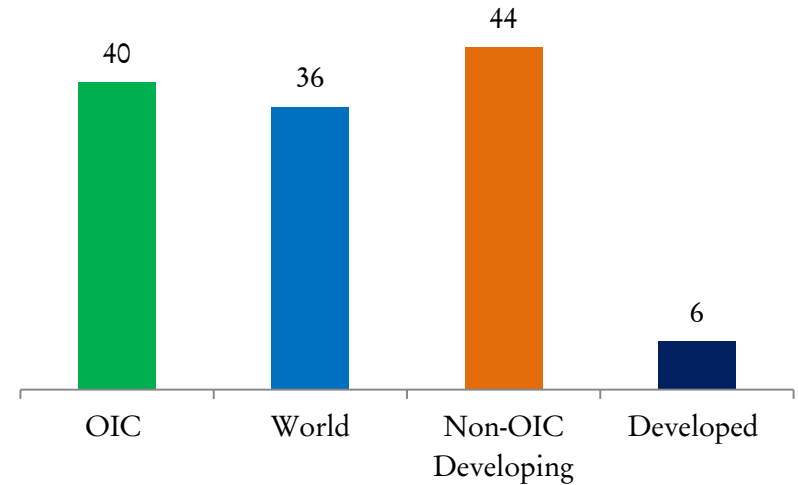
Water Resources: Use

Low access to improved drinking water and sanitation

Without Access to Improved Drinking Water, 2011



Without Access to Improved Sanitation, 2011



24% of population is without access to improved drinking water resources in OIC countries compared to 21% in the world

40% of population is without access to improved sanitation facilities in OIC countries compared to 36% in the world

OIC Water Vision

Working together for a water-secure future

The initial objective of the OIC Water Vision is to catalyze improved water security in OIC member countries through:

Connecting centers of excellence within the OIC in water science, policy, management and technology development to build capacity and share and enhance knowledge

Identifying solutions to water problems through increased dialogue and exchange of experience as well as through promoting concrete actions

Promoting solutions to water security challenges in the national and international agendas of OIC leaders



OIC Water Vision

Areas of possible cooperation and knowledge sharing

OIC Water Vision provides a framework of cooperation on water related issues involving governments, education/research centers, private sector and NGOs

Exchange programs and provision of capacity building through courses on Water conservation and water management

Development of alternate ways of providing water and cooperation for adaptation to climate change

Knowledge hubs sharing on handling of sanitation and water

Network of hydro-meteorological monitoring stations



Life Cycle of SESRIC Capacity Building



Training programme on 'Water Resources Management'



23-24 November 2011, Khartoum – Sudan

Training programme on 'Water Resources Management'



06-07 February 2013, Baku – Azerbaijan



Thank you for your attention

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