1947 there have been 300

international

The Nile Basin Initiative

develop the river in a

peace and security".

launched in 1999 "seeks to

cooperative manner, share

substantial socioeconomic

But discord over the Nile

treaties has continued.

information sharing and scientific and technical cooperation, which

is crucial to the sustainability

of the river.

benefits, and promote regional

Every year We withdraw

conflicts between states over water water agreements

> However, only Egypt and Sudan are legally entitled to dam the river based on a series of treaties that have strained relations in the basin for over 50 years. Today, the shortages of water have prompted countries including Uganda, Sudan, Ethiopia and Kenya to question the treaties.

Despite tensions, no armed conflict has arisen in the modern era and countries understand that water is a means for greater cooperation. While a new agreement that satisfies all parties has not been found vet, countries have improved

freshwater

The Nile river basin is home to over 160 million people and includes ten countries that rely significantly on its waters, since most have no effective rainfall, but also for fishing and hydroelectricity generation.

Tensions over ^{the} Nile River

10%

The Convention on the

and International Lakes

sound management of

and groundwaters.

Transboundary Watercourses

(Water Convention) is intended to

strengthen national measures for

the protection and ecologically

transboundary surface waters

Protection and Use of

international river basins and transboundary aquifer systems in the world

of these lack any type of

of sewage and industrial and agricultural waste is discharged into the world's waterways every year

In response to the indigenous people's mobilization and protests a convention was signed between the ministry and the Mazahua movement. but only for rather short-term measures. To avoid or resolve

water-related conflicts in

indigenous communities.

indigenous people should be

involved in the management

territories and their water

and cultural values should

be recognized.

1 R

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rights, as well as their social

The interests of the local population were not addressed in this water transfer project, which did not satisfy their basic production), parrowed their possibilities for development, and had negative impacts on

The Waters

One-third of the water consumed people territories thanks to a 300 km-long system of dams, canals, tunnels, treatment plants and pumps.

needs (access to water and food

of the Mazahua

in Mexico City metropolitan area comes from Mazahua indigenous

OVER-ABSTRACTION

The Aral Sea disastei In 1960 the Aral Sea was one

ERS

the four largest lakes in the world with an area of 68,000 square km. Local fisheries represented annual catches of 40,000 tonnes and the area was surrounded with biologically rich marshes and wetlands.

Uzbekistan, Turkmenistan. Tajikistan and Kyrgyzstan - formed the Interstate Commission for Water

In 1992, the five countries

of the basin - Kazakhstan.

Coordination of Central Asia. In 1994, they pledged 1% of their budgets to recover the sea. In 2005, Kazakhstan completed a dam project to replenish the North Aral Sea. In 2008, the water level had risen by 24 m from its lowest level

Water: Cooperation or Competition?

■ The Aral Sea in 1960

The Aral Sea today

By 2007, it had declined

to 10% of its original size

after the rivers that fed it were

diverted by Soviet irrigation

projects. Impacts include the

pollution of surrounding land.

population, health problems,

salinity, and the collapse of

the fishing industry.

destruction of crops due to soil

lack of fresh water for the

dropped, and fish are again found in sufficient iumbers for some fishing to be viable but vast parts of the Aral Sea have been lost forever.

to 45,000

The following factors often lie at the root of water tensions:

DIVERSION

NEGLECT OF TREATIES

OVER-ABSTRACTION

POLLUTION

from diffuse sources (e.g. agriculture,

The number of large dams worldwide 500

in 1950

Urban-rural tensions in Zhengzhou, China

39% of Zhengzhou's population live in the city and 61% in the surrounding rural area. Groundwater represents about 70% of the water supply, 50% of which is used for agriculture, 31% for industry and % for domestic uses.

Groundwater remains over-exploited despite attempts to conserve water, and the city competes with rural areas for water use. Rural communities feel at a because they cannot generate comparable inancial returns

Institutional frameworks are needed for ministries and agencies with differing mandates and goals to share information on the state of he impacts of use.

Co-management would ensure that more surface water and treated wastewater is used for agriculture while urban users have priority over

By 2030

of the world population will be living in areas of high water stress

1.6 Billion

with absolute water scarcity



The Water Convention

Major industrial accidents may cause far-reaching transboundary effects and may lead to accidental water pollution.



by all the United Nations Member States

Every Second the urban population grows People