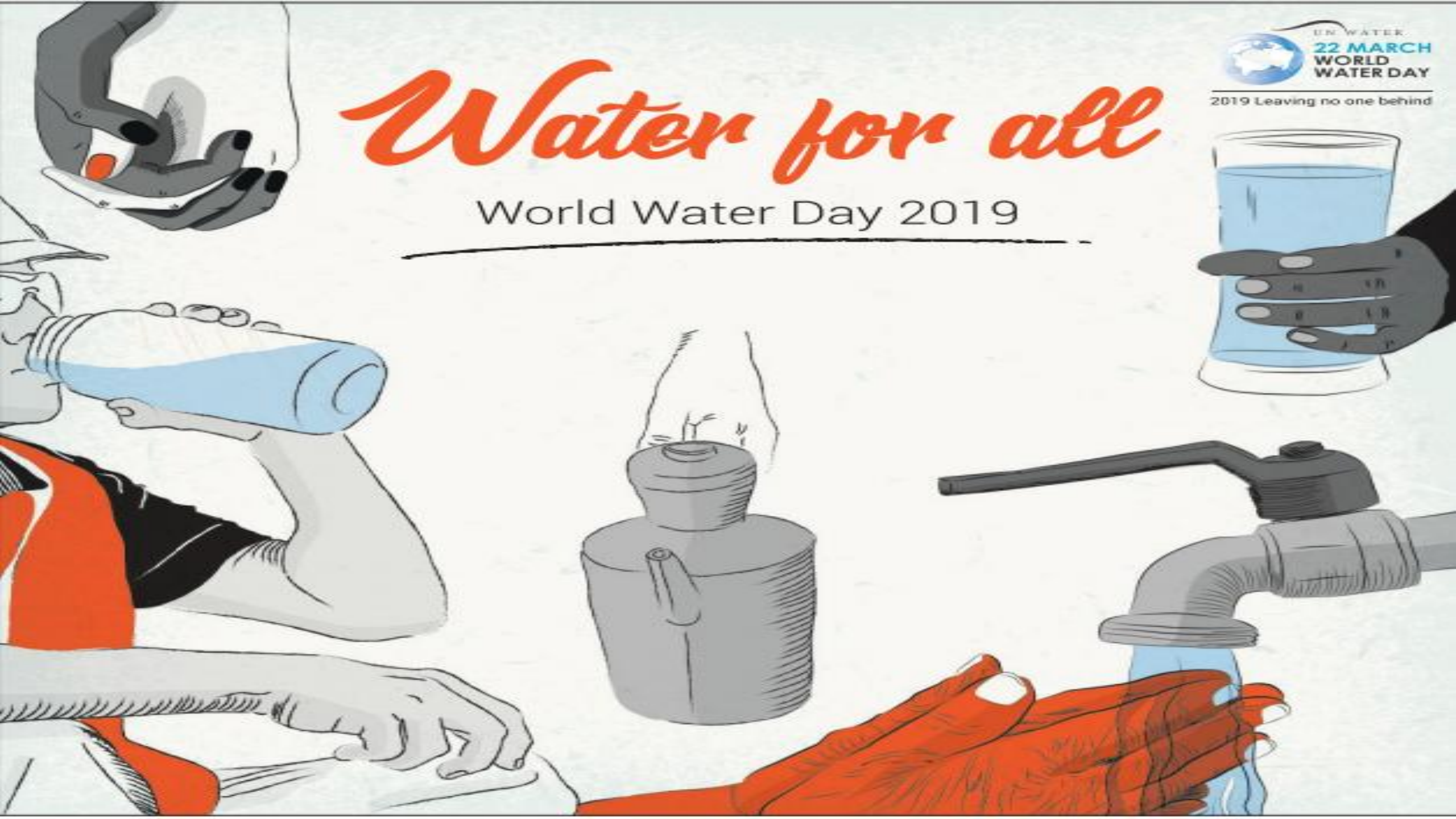


Water for all

World Water Day 2019



WHAT IS THE THEME?

- ▶ The theme for World Water Day 2019 is ‘Leaving no one behind’.
- ▶ The human right to water entitles everyone, without discrimination, to sufficient, safe, acceptable, physically accessible and affordable water for personal and domestic use; which includes water for drinking, personal sanitation, washing of clothes, food preparation, and personal and household hygiene.
- ▶ In 2010, the UN recognized “the right to safe and clean drinking water and sanitation as a human right

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HOW DOES IT RELATE TO WATER?

- ▶ Sustainable Development Goal 6 (SDG 6) includes a target to ensure availability and sustainable management of water for all by 2030.
- ▶ By definition, this means leaving no one behind.

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Did u know the world Coverage

- ▶ 80 % is made of liquid and composition is $2H$ and 10 atoms
- ▶ 20% is the solid known as land,
- ▶ STILL 2.1 billion people live without safe water at home.
- ▶ One in four primary schools have no drinking water service
- ▶ 700 children under five years of age die every day from diarrhoea linked to unsafe water and poor sanitation.
- ▶ Globally, 80% of the people who have to use unsafe and unprotected water sources live in rural areas

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Did U Know Water Availability for Drinking

- ▶ 97 % is Salty and not Drinkable.
- ▶ 02% is Fresh Water in the form of Solid 2H and 10 atoms
- ▶ 01% is useful for Drinking.
- ▶ Women and girls are responsible for water collection in eight out of ten households with water off-premises.
- ▶ For the 68.5 million people who have been forced to flee their homes, accessing safe water services is highly problematic.
- ▶ Around 159 million people collect their drinking water from surface water, such as ponds and streams

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Did U Know Water Treated in a City Utilization

- ▶ 54 % is used for general activities like Lawns and various Cleanings
- ▶ 15 % is consumed for Bathing and Flushed down Toilets.
- ▶ 12% is used to Clean our Laundry n Dishes.
- ▶ 10 % is used for cleaning and Laundry.
- ▶ 7 % is waste thru leaks
- ▶ Rest is for Drinking.

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Average use of a Person from MIG

- ▶ 200 to 300 Litres
- ▶ So we should try and Save Water.
- ▶ Around 4 billion people - nearly two-thirds of the world's population - experience severe water scarcity during at least one month of the year
- ▶ **All** Days & **All** Ways

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Let us all present Pledge 01 for one personal action

TURN OFF TAP WHILE BRUSHING & SHAVING

IF POSSIBLE USE A MUG TO BRUSH / SHAVE

This WILL SAVE MORE THAN 50 % OF Water.

IRONY OF SITUATION

The wealthier generally receive high levels of WASH services at (often very) low cost,

whereas

the poor pay a much higher price for a service of similar or lesser quality

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It's time to give water a second thought.

**Following
five
concerns**

**Demand & Usage
Population**

**Supply
&**

**Climatic Change
Pollution**

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I. Demand and Usage

◆ Domestic

30% of the rural population lack access to drinking water.

◆ Agricultural

90% of total water resources used.

◆ Industrial

Water is both an important input



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II. Supply

◆Surface Water

Only 48% of rainfall ends up in India's rivers.
Only 18% can be used.

◆Groundwater

82% goes to irrigation and agricultural purposes.
Only 18% is divided between domestic and industrial.

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III. Climate Change

Climate change is exacerbating the depleting supply of water.

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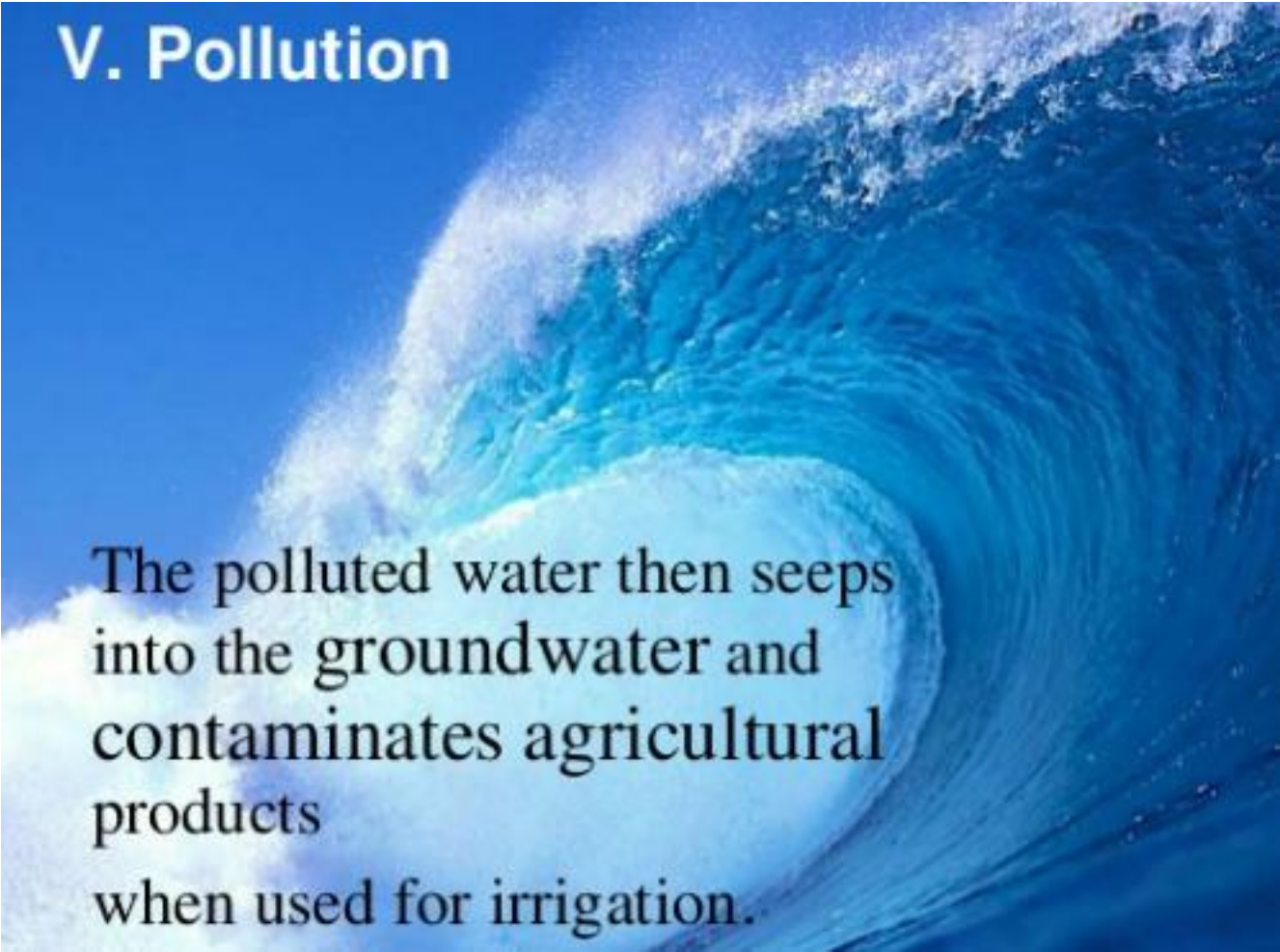
IV. Population

India needs to keep boosting agricultural production in order to feed its growing population.

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V. Pollution



The polluted water then seeps into the groundwater and contaminates agricultural products when used for irrigation.

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OUT COME OF OUR MISTAKES

Freshwater fish are going extinct at five times the rate
of marine fish species



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OUT COME OF OUR MISTAKES

In the last 100 years 50% of the world's wetlands have been lost to development



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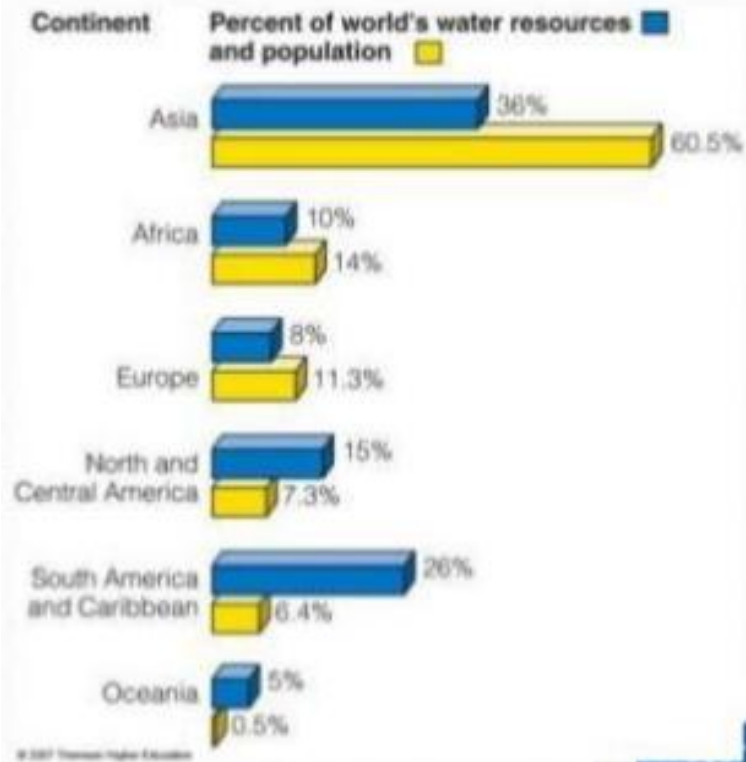
India is facing a **water crisis** that has implications not only for its **1.1 billion people**, but for the **entire globe**.

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WATER'S IMPORTANCE, AVAILABILITY AND RENEWAL

Clip slide
Master P
engineering and climate change

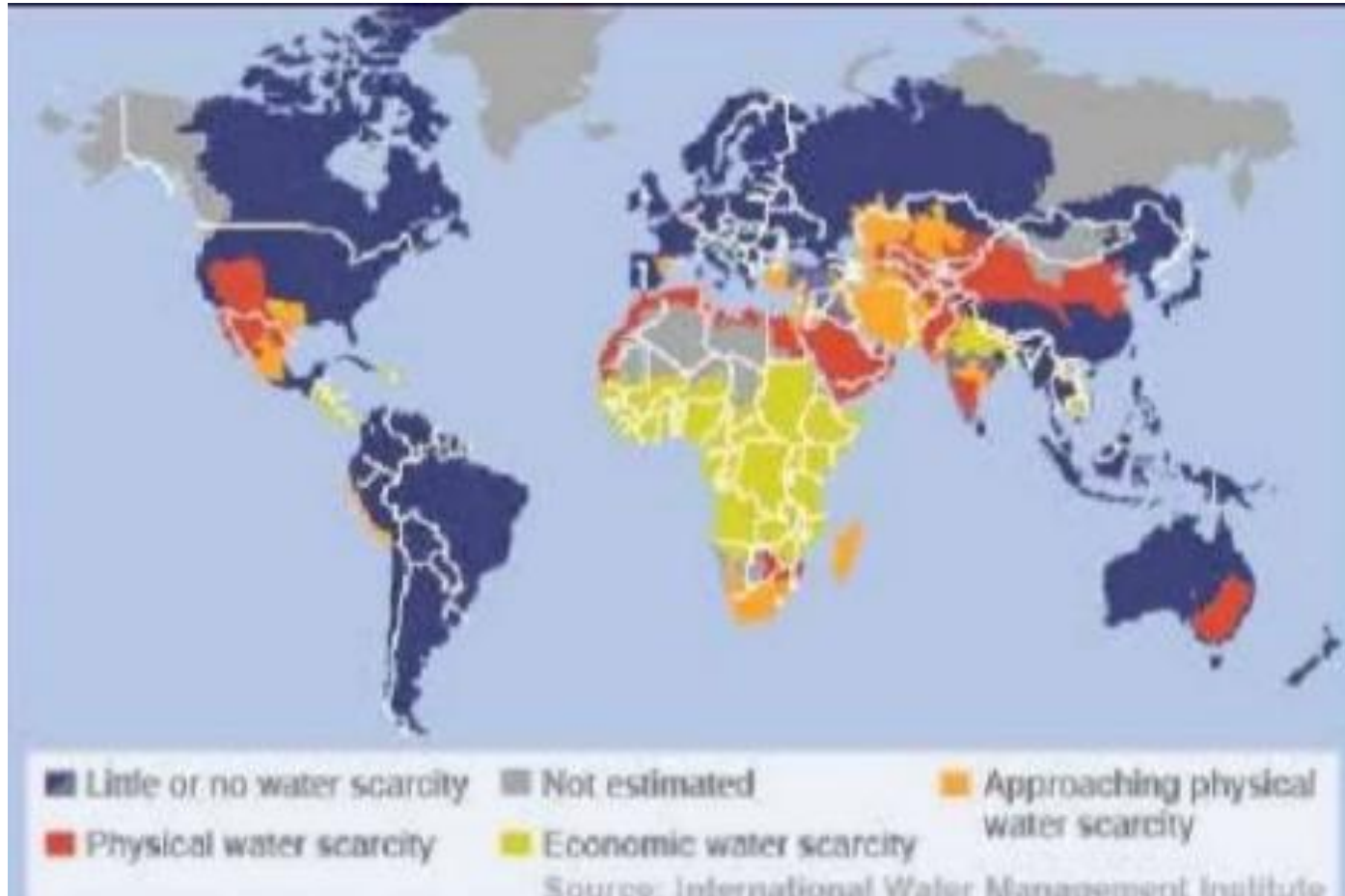


- Comparison of population sizes and shares of the world's freshwater among the continents.

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Physical water scarcity occurs when and where there is not enough **water** to meet both human demands and those of ecosystems to function effectively. Arid regions frequently suffer from **physical water scarcity**. It also occurs where **water** seems abundant but resources are over-committed.



Economic water scarcity is caused by a lack of investment in **water** infrastructure or insufficient human capacity to satisfy the demand of **water** in areas where the population cannot afford to use an adequate source of **water**.

Economic water scarcity is by far the most disturbing form of water scarcity because it is almost entirely a lack of compassion and good governance that allows ..

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WATER DIRECT & INDIRECT WASTAGE

- ▶ You can surely make a big difference by consciously avoiding water intensive produce and bring more consciousness in people around.
- ▶ Take a pledge today:

Direct:

- ▶ Save water in day to day life like washing, bath, cleaning etc.
- ▶ Try reusing bathwater for washing clothes
- ▶ Gardening and Agriculture:
- ▶ Save water by replacing lawns with plants and trees.
- ▶ Save water with mulching plants & crops

Indirect:

- ▶ Avoid water intensive products like cool drinks
- ▶ Avoid factory foods and use farm foods as factory foods wastes so much of water during manufacturing process and also produce lot of pollution.
- ▶ Reduce water intensive foods like rice
- ▶ Avoid usage of chemicals in day to day life which are polluting water and also causing lot of water wastage. You can even stop soaps, detergents and pasts etc.
- ▶ Avoid RO water, use simple filter water. Around 75% of the Water fed into a RO filter, is wasted. Only 25% gets extracted as drinking Water. (reuse RO waste water for washing, but it is not useful for watering plants:
- ▶ Reduce usage of electricity, air conditions etc, which are causing so much wastage of water
- ▶ So in short, if we really want to save water, we should live simple.

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LETS ALL OF US COLLECTIVELY PLEDGE 03

PLEDGE TO CONSERVE WATER AND SUSTAIN SANITATION AND HYGIENE

- ▶ I pledge to save water.
- ▶ I will never waste water.
- ▶ I will not contaminate our drinking water.
- ▶ I will not pollute our precious water resources.
- ▶ I won't hesitate to tell my neighbors and others the sad state of water in our holy rivers, lakes, tanks, wells, and streams, and request them not to pollute them.
- ▶ I pledge to conserve every drop of water that I can every day of the week.
- ▶ I pledge to tell people not to clutter our drains with garbage and sweepings.
- ▶ I pledge that I am against open fouling of our environment, and I will practice good sanitation and hygiene.
- ▶ I pledge to celebrate World Water Day on March 22nd every year and let people know about the importance of conserving water and not polluting our precious water bodies.

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QUIZ

1. SDG6 of the UN's Sustainable Development Goals is that all people have access to safe water by 2030. Approximately how many people worldwide currently do not have access to safe water at home?

- ☐ 10 Million
- ☐ 74.5 Million
- ☐ 2.1 Billion

2. True or False: around 80% of people without access to safe and sustainable water sources live in rural areas?

- ☐ True
- ☐ False

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QUIZ

3. Surface water is one of the only sources of drinking water for approximately 159 million people worldwide. Which of the following is classed as surface water?

- ☐ Aquifer
- ☐ Pond
- ☐ Rainwater

4. Approximately how many primary schools around the world do not have access to safe drinking water?

- ☐ Three in seven
- ☐ One in 100
- ☐ One in four

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QUIZ

7. Which of the following does the human right to safe water entitle you to?

- ☐ Drinking water
- ☐ Personal hygiene and sanitation
- ☐ Washing of clothes
- ☐ Food preparation
- ☐ Household hygiene
- ☐ All of the above
- ☐ None of the above

8. Climate Change is increasing the levels of water scarcity in under-developed regions. If this is not remedied, how many people could be displaced due to limited access to water by 2030?

- ☐ 30 Million
- ☐ 700 Million
- ☐ 1 Billion

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QUIZ

9. True or False: wealthier people often spend less money for higher quality water, sanitation and hygiene (WASH) services than disadvantaged people?

- ☐ True
- ☐ False

10. In what year did the UN recognize the human right to safe water?

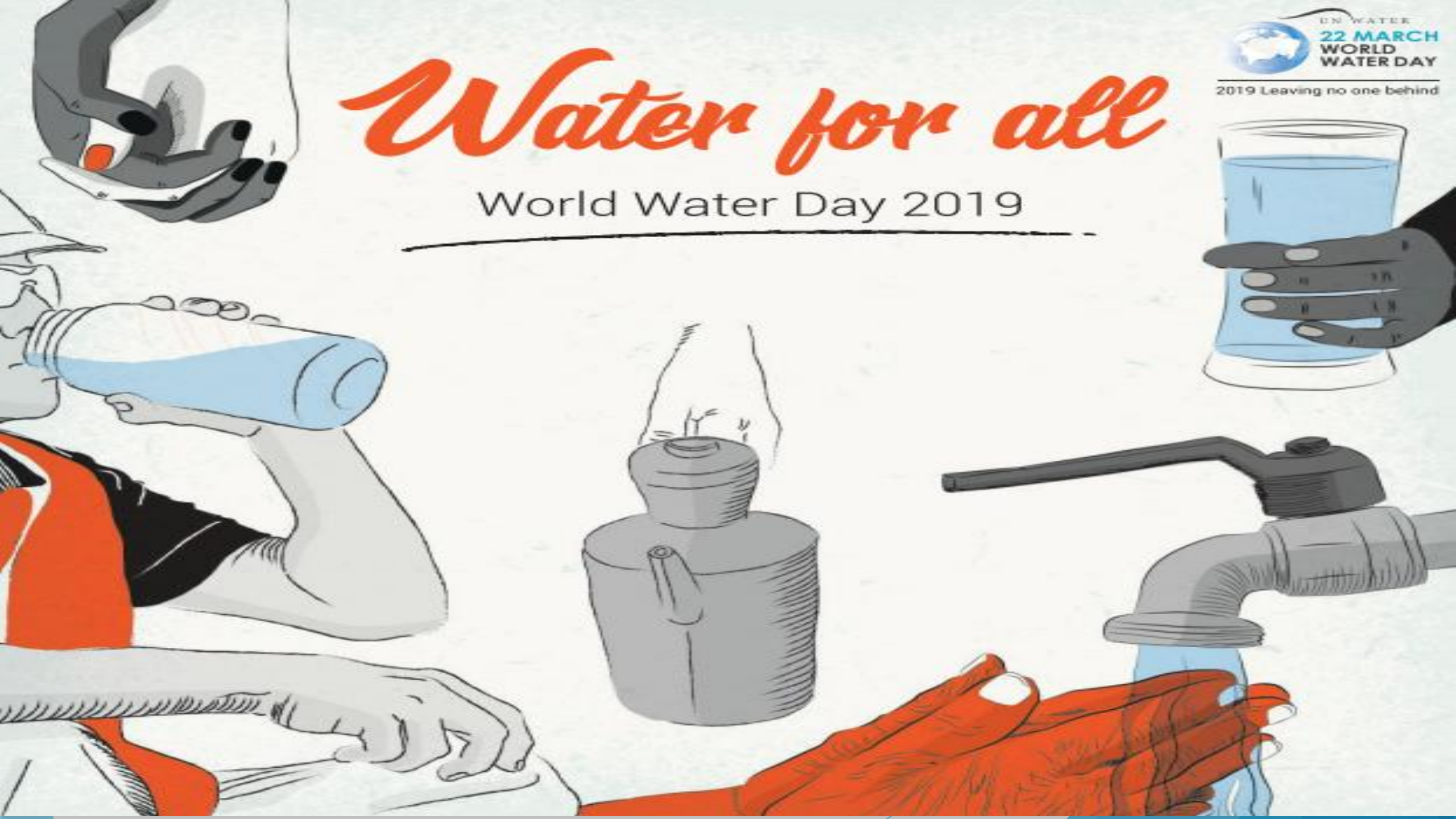
- ☐ 1999
- ☐ 2006
- ☐ 2010

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Water for all

World Water Day 2019



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1/1 point

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