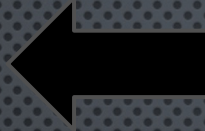




Steve T.
Finch Jr.



Rocio
Mancillas



NATURAL DISASTERS AFFECT WATER SUPPLY

Steven T. Finch, Jr.

Rocio Mancillas

Roger Peery

John Shomaker & Associates, Inc.

MSSC 2022 Annual Conference

February 2022

A satellite image of Earth showing a large, well-defined hurricane or cyclone over the Atlantic Ocean. The storm's eye is clearly visible in the center, surrounded by dense, swirling white clouds. The surrounding ocean is a deep blue, and the landmasses of North and South America are visible in shades of brown and green. The background is a dark, dotted pattern.

Natural
Disasters can
cause damage
to water
supplies

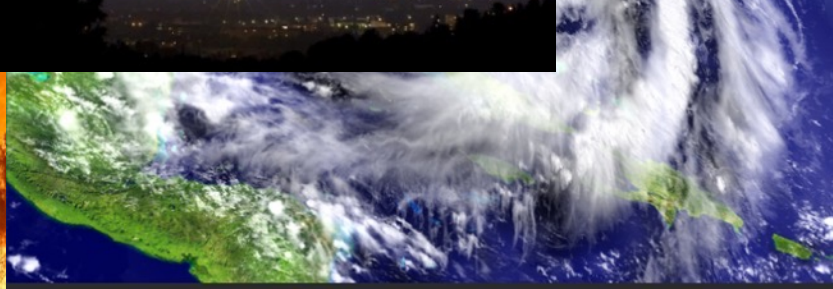


Water Supply



Natural Disasters are a major adverse event resulting from natural processes of Earth

Earthquakes, Volcanoes, Wildfires, Tornados, Droughts, Hurricanes, Flooding, Heat, and Corona Virus are pulling their weight in the difficulties department. Natural disasters introduce large amounts of contaminants into our surface water and groundwater sources











Icelandic Meteorological Office - IMO

The
Guardian







TSUNAMI

Series of waves caused by earthquakes or undersea volcanic eruptions





Only a hydrologists can help you





SEVERE DROUGHT

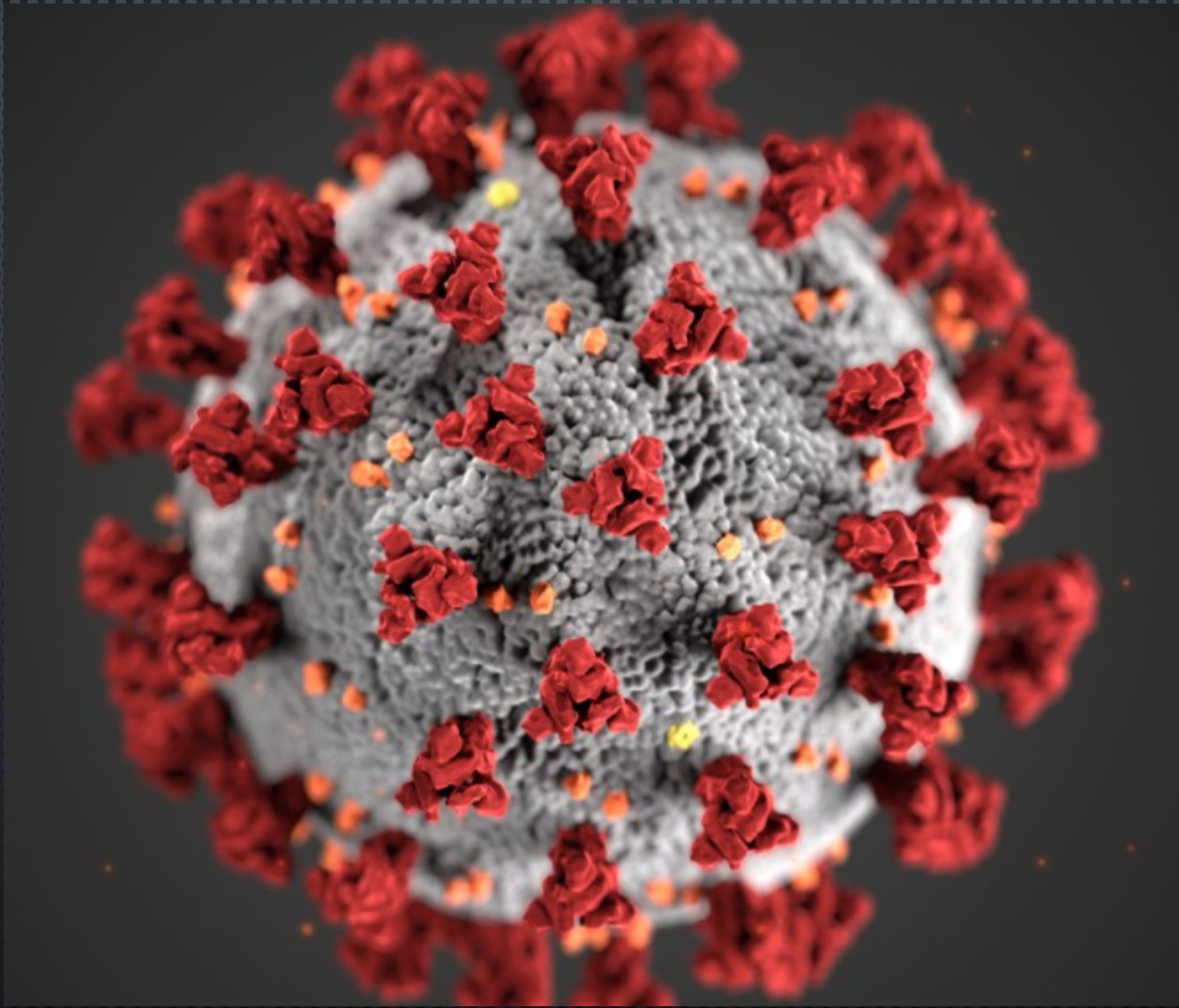






















WILDFIRES

Unplanned, unwanted, uncontrolled fire in an area of combustible vegetation starting in rural areas and urban areas. Wildfire can be classified into more specific categories depending on the vegetation present









TORNADO / TWISTER / WHIRLWIND / CYCLONE

Violently rotating column of air that is in contact with both the surface of the Earth and a cumulus cloud or, in rare cases, the base of a cumulus cloud



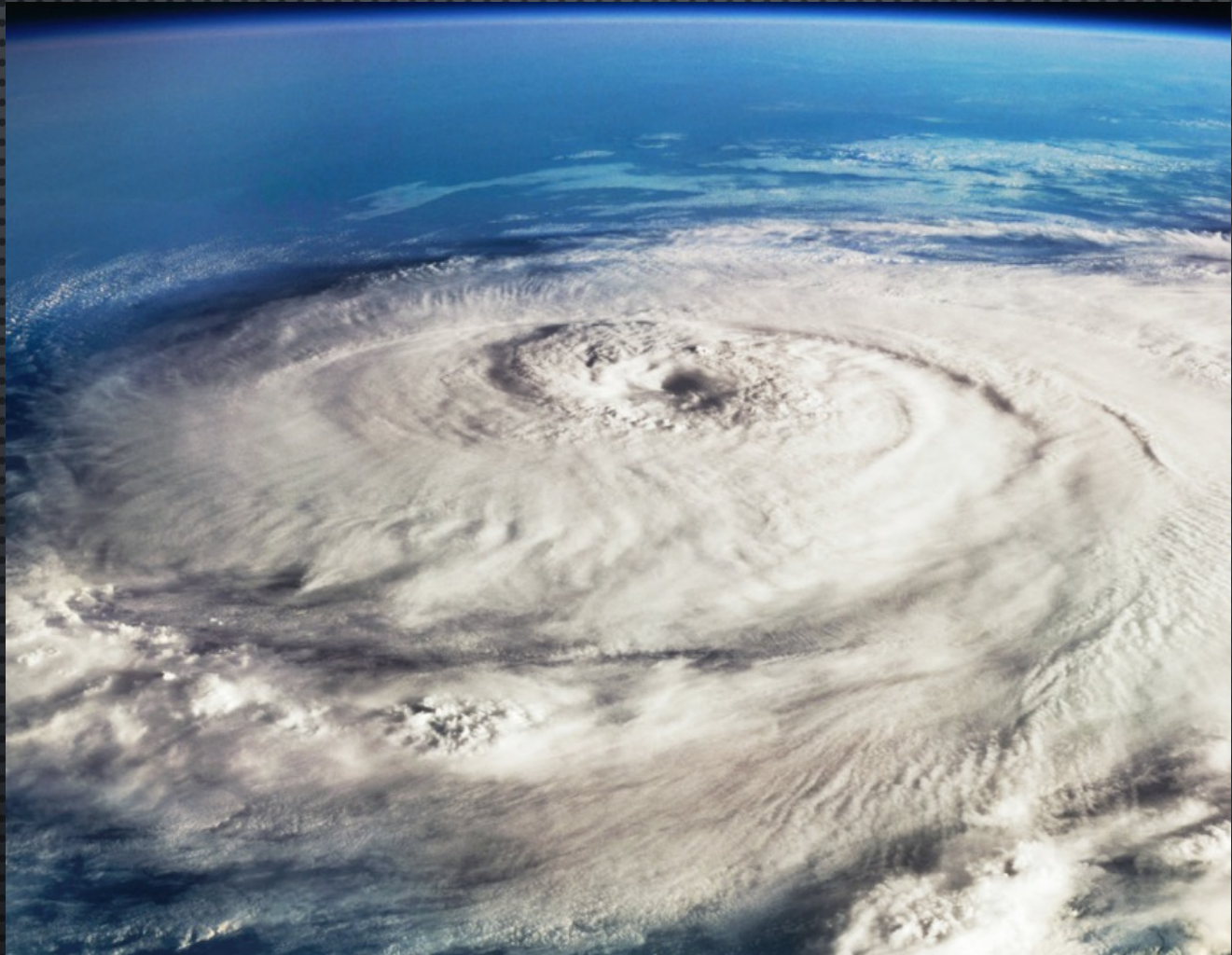
















FLOOD

Overflow of water or an expanse of water submerging land. An overflow of water onto normally dry land







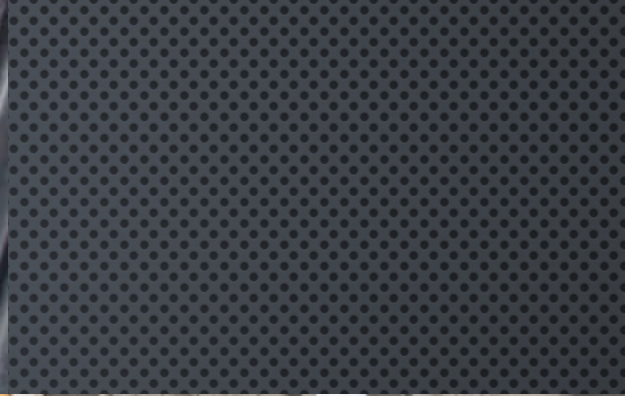
COLD FRONTS

Winter storms can derive their energy from the clashing of two masses of air made up of different temperatures and moisture levels



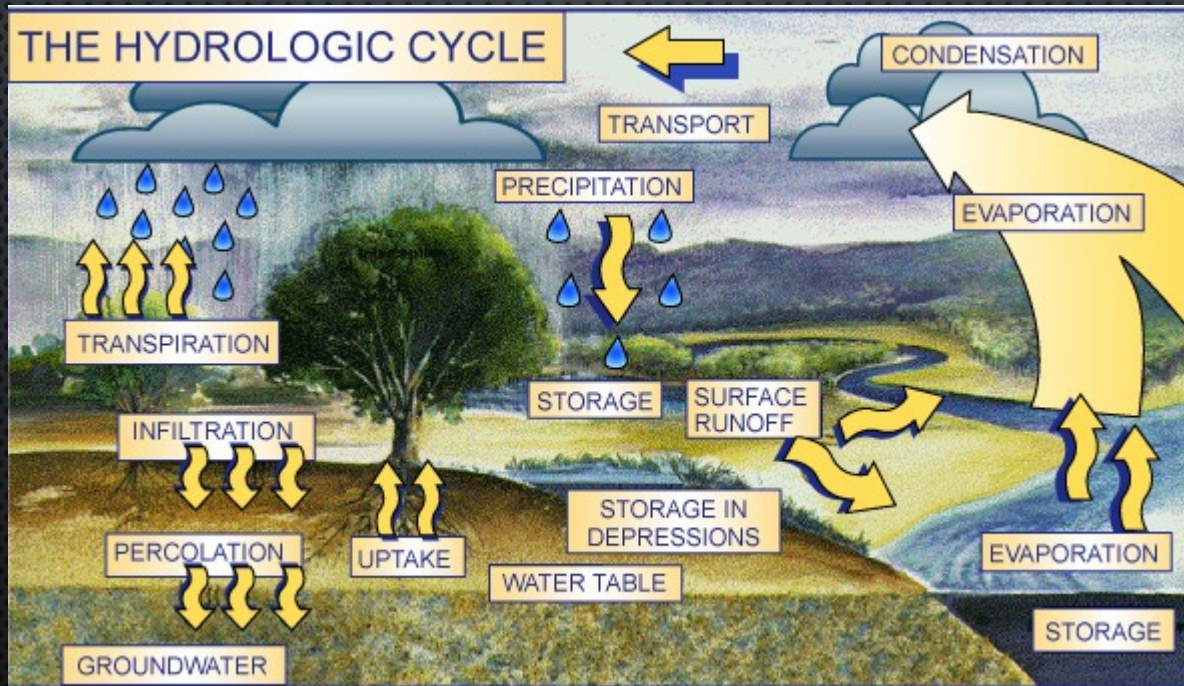






HYDROLOGICAL CYCLE

The hydrological cycle, has groundwater as an integral part. This complex system circulates water over the whole planet. The cycle starts as energy from the sun.



MUSIC BY APOCALYPTICA



SONG: ASHES OF THE MODERN WORLD