<https://www.iqair.com/us/air-quality-map>

<https://www.google.com/maps/place/Vietnam/@19.129363,107.4503719,5z/data=!4m5!3m4!1s0x31157a4d736a1e5f:0xb03bb0c9e2fe62be!8m2!3d14.058324!4d108.277199?hl=en>

<https://waqi.info/>

# Vietnam's Environmental Issues

**Water Pollution**

Water pollution situation in the big city is very clearly, especially in Hanoi and Ho Chi Minh City. In those areas, the quantity of waste water from daily activities is directly let out canal, river or irrigation canal. There are many hospitals and chemical site have not got waste water treatment.

In Hanoi, total of sewage is 300,000 to 400,000 m3 /day. Recently, 5/31 chemical facilities have water proposal, amounting to 25% waste water from hospital. About 36/400 manufacture sites have water treatment. The volume of rubbish have not collected is 1,200 m3/day and they are let out the area around the lake, canal in the urban. The BOD index, NH4, NO2, NO3 in water in the city is beyond too much as the acceptation.

Not only in Hanoi or Ho Chi Minh City get water pollution, but also in some metropolitan such as Hai Phong, Da Nang, Hue, Nam Dinh, Hai Duong, many index in water is 5 or even 20 times as much as permission standard. In suburban area, where the living standard is still backward, all the rubbish are not treated and infiltrated into soil that makes the environment pollution more and more serious.

## Air Pollution

With the rapid urbanization in South East Asia, most countries in this region were affected by air pollution which includes Vietnam. Vietnam, home to 95 million people and a rapidly developing country is currently facing serious issue of air pollution.

According to the local news in Vietnam, both Hanoi and Ho Chi Minh City had more than 200 days in 2017 of air quality that was polluted beyond the health standards set by World Health Organization (WHO) specifically on PM10 and PM2.5. PM2.5 includes pollutants, such as sulfate, nitrates and black carbon. Combination of air pollutant and UV ray will pose greater damages especially on the skin.

The Air Quality Index (AQI) may have shown acceptable readings in Hanoi and Ho Chi Minh City. However, the concentration of PM10 and PM2.5 are not at the safe level and affects the health of the population. Based on the 2016 database of WHO, the readings were 102.3 μg/m3 for PM10 and 47.9 μg/m3 for PM2.5 in Hanoi, and 89.8 μg/m3 for PM10 and 42 μg/m3 for PM2.5 in Ho Chi Minh City compared to the WHO recommended annual mean value of 20 μg/m3 for PM10 and 10 μg/m3 for PM2.5.

# Projects

**Bring environmental friendly standards into local businesses.**

Dispose plastic waste in appropriate place by implementing green standards in coffee shops and restaurants:  
1. Make recycling bins readily available  
2. Use 100% recycable cups,straws,papers, bags,etc.  
3. Offer incentives or discounts for guests who bring their own mugs or recycle tumbler.  
4. Encourage customers and colleagues to recycle  
5. Hastag #savien on social media.

# About SAVIEN

Founded in 2020. SAVIEN is a non-profit environmental organization. Established by young Vietnamese Citizens in Ho Chi Minh City. Since then, SAVIEN strive to diminish the impacts of environmental issues in various ways.

**1. Raising awareness about Vietnam's Environment Issues  
2. SAVIEN = Save Vietnam's Environment**