# HEALTH AND SAFETY

Sankt Pölten Meeting

## EFFECTS ON HEALTH

During this workshop, we discussed the effects on health of all the air components measured by the AirScout



#### Effects on the respiratory system:

- Irritation and inflammation
- Reduced lung function (coughing and shortness of breath)
- Worsening of asthma and COPD

#### **Effects on the eyes:**

- Eye irritation
- Dry Eye Syndrome
- Allergic reactions

#### **Effects on the Skin and Hair:**

- Skin irritation
- Hair damage

#### **Effects on Allergic Proceses:**

- Increases sensitization
- Inflammation of the respiratory airway
- Alterations in the immune system

#### **Effects on the Nervous System:**

- Headaches
- Dizziness
- Cognitive impairment

#### **Effects on the Cardiovascular system:**

- High blood pressure
- Heart attacks and strokes
- Blood vessel damage

## FINE DUST

#### Effects on the respiratory system:

- Irritates airways
- Asthma
- Increases infections and cancer risks

#### **Effects on the Skin and Hair:**

- Accelerates aging
- Weakens hair
- Contributes to hair loss

#### Effects on the eyes:

- Eye irritation
- Dryness

#### **Effects on Allergic Proceses:**

- Worsens allergies
- Overstimulating the inmune system

#### Effects on the musculoskeletal system:

- Worsens arthritis
- Creates pain

#### Other effects:

- Increases heart disease
- Increase stroke risk
- Damage brain
- Contributes to depressions

## CO AND CO<sub>2</sub>

#### **Effects on the respiratory system:**

- Can affect oxygen intake
- Respiratory irritation
- Coughing
- Long term lung damage
- Can lead to asphyxiation

#### **Effects on the eyes:**

- Dry eyes
- Redness
- Itching
- Burning sensation

#### **Effects on the Skin and Hair:**

- Skin irritation
- Skin dryness
- Premature aging
- Hair loss and hair thinning
- Hair breakage

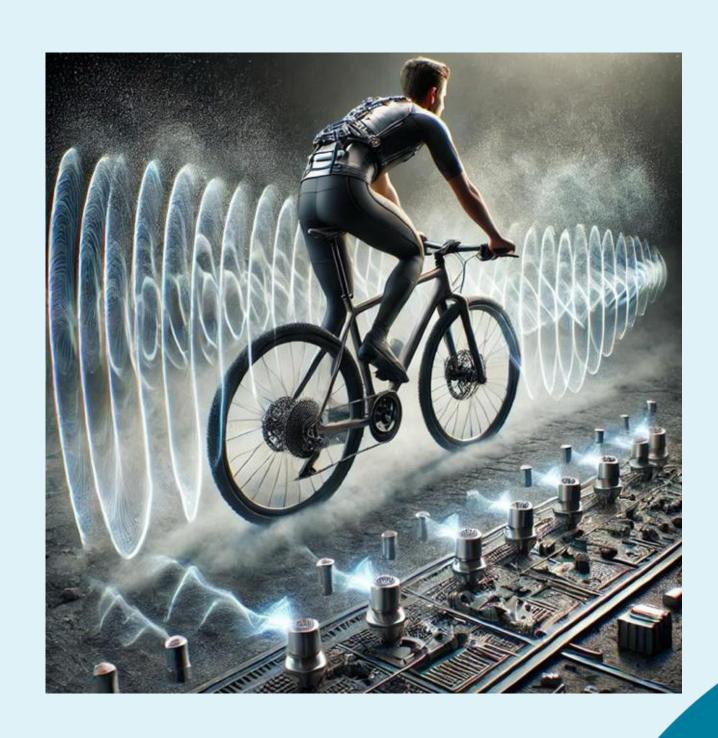
## OUR SOLUTIONS:

Wearing a motorcycle helmet that doesn't let CO and CO<sub>2</sub> go through.



## OUR SOLUTIONS:

Soundwave shield which blocks fine dust particles



## OUR SOLUTIONS:

Airscout mask that filters clean air into you respiratory system.

Tube that connects the airscout to a mask that the driver wears.

