

# What's SDGs? (Sustainable Development Goals)

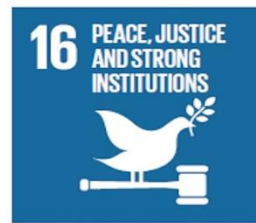
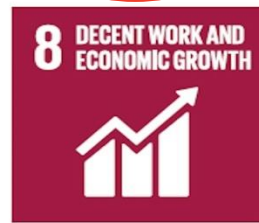
## 聯合國永續發展目標



# What's SDGs?

## (Sustainable Development Goals)

### 聯合國永續發展目標





the struggling girl

2 ZERO HUNGER



Who:

A vulture and a little girl

What:

There was a vulture right behind her.  
The vulture wanted to eat the girl

When:

March 1993.

Where:

Sudan, Africa.

Why:

The starving.

How:

How do you feel?

How does she feel?



SUDAN





Here are some issues  
we will talk about in.....



在零飢餓(Zero Hunger) 當中，有些議題是我們會討論到的

# Food Security 食品安全



## GMO?

Genetically Modified Organism

**A GMO IS:**  
The direct human manipulation of an organism's DNA in a laboratory environment.

**SCIENCE OF GMOS**  
Genetic modification may include the ADDITION OF DNA from species that would NOT BREED in nature.

Genetic modification may also involve REMOVING SPECIFIC STRANDS OF DNA.

Cross-species—or transgenic—genetic manipulation has gone so far as to **COMBINE FISH DNA WITH STRAWBERRIES** and tomatoes.

GMO foods have only existed in groceries since the late 1990's.

GMO life can be patented.

GMO varieties of corn and potatoes are engineered to **PRODUCE THEIR OWN PESTICIDES**.

**STUDIES OF GMOS**  
**NO LONG-TERM TESTING.**  
It took decades for the dangers of Trans-Fats (another artificial food) to become understood.

Mice fed GM pesticide-producing corn over four generations showed **ABNORMAL** structural and chemical changes to various organs and significantly reduced fertility.

herbicide-resistant crops can cross-pollinate to create **HERBICIDE-RESISTANT WEEDS.**

pesticide-resistant GMO crops have led to **RESISTANCE IN INSECTS.**

**TRANSGENIC DNA HAS BEEN FOUND IN 80% OF WILD CANOLA IN NORTH DAKOTA.**

**A GMO IS NOT:**  
Plants and animals that are traditionally bred to achieve specific characteristics, such as breeding dogs or cross-pollination of plants.

**PREVALENCE OF GMOS**  
You probably eat GMOS **EVERY DAY.**

**30,000**  
different GMOs exist on grocery store shelves (largely because of how many processed foods contain GMOS.)

**PERCENT OF GMOS IN TOTAL CROP PRODUCTION 2011 (USA)**

Category	Percentage
Soybeans	94%
Corn	90%
Cotton	88%

**PUBLIC OPINION OF GMOS**  
Polls consistently show that a significant majority of North Americans would **LIKE TO BE ABLE TO TELL** if the food they're purchasing contains GMOS.

**OUT OF A CBS NEWS POLL:**

- 87% want GMOS labelled
- 53% would not buy genetically modified food

**NATIONAL OPINIONS OF GMOS:**

The USA is the **largest producer** of GMO crops and **does not mandate labels** for GMO food.

In 30 other countries there are bans or restrictions on the production of GMOS, because they are **not considered proven safe.**

SOURCE: <http://geneticmodification.com/2013/05/01/food4genetic/>

DESIGNED BY: PASCALIE LONG AT CARDINAL INNOVATIVE

# fast food 速食







# 糧食危機

Food crisis may  
never go away.

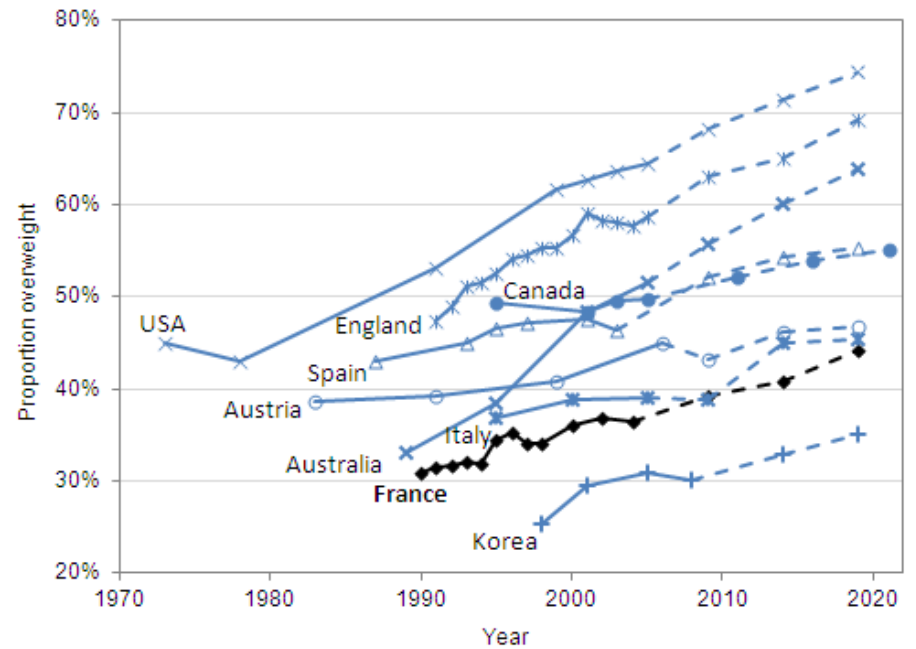


## Global Food Crisis





# Obesity is still growing.



肥胖率持續成長

# AND HERE'S WHAT WE SHOULD BE EATING EVERY DAY

## FRUIT AND VEGETABLES

Fruits **200g**

Vegetables **300g**

Including **100g** of dark green vegetables (cabbage, broccoli etc) AND **100g** red and orange vegetables (peppers, carrots)

SOURCE: Lancet

**SUGAR**  
Added sugar and artificial sweeteners **31g**

**FAT**  
Olive oil, sunflower oil

**Plant-sourced**

Seafoods **7g** : Beef **7g**

## CARBOHYDRATE

Whole grains **232g**  
Two slices of wholemeal toast  
Rice **60g** Pasta **80g**

Starchy vegetables (potatoes) **50g**

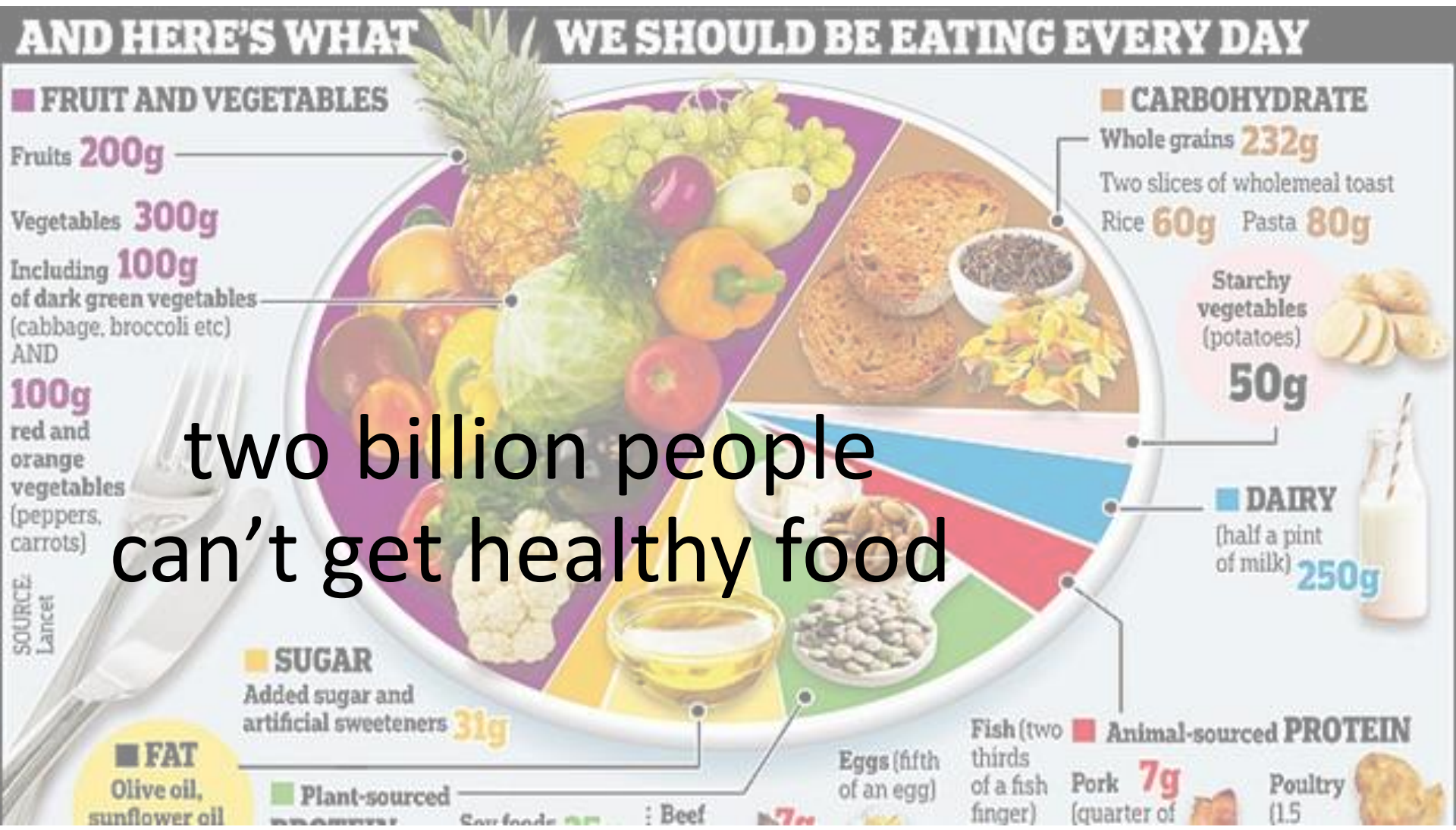
**DAIRY**  
(half a pint of milk) **250g**

Fish (two thirds of a fish finger)

## Animal-sourced PROTEIN

Pork **7g** (quarter of) Poultry (1.5)

two billion people can't get healthy food



# hunger and malnutrition 飢餓與營養不良





# 820 million people are hungry globally



PROBLEM



SOLUTION

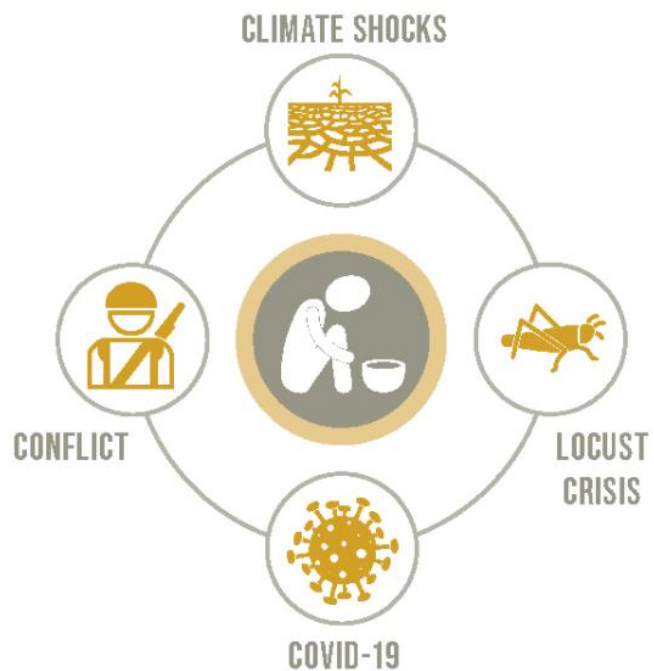
在這週讓我們一起來探究這些議題吧!





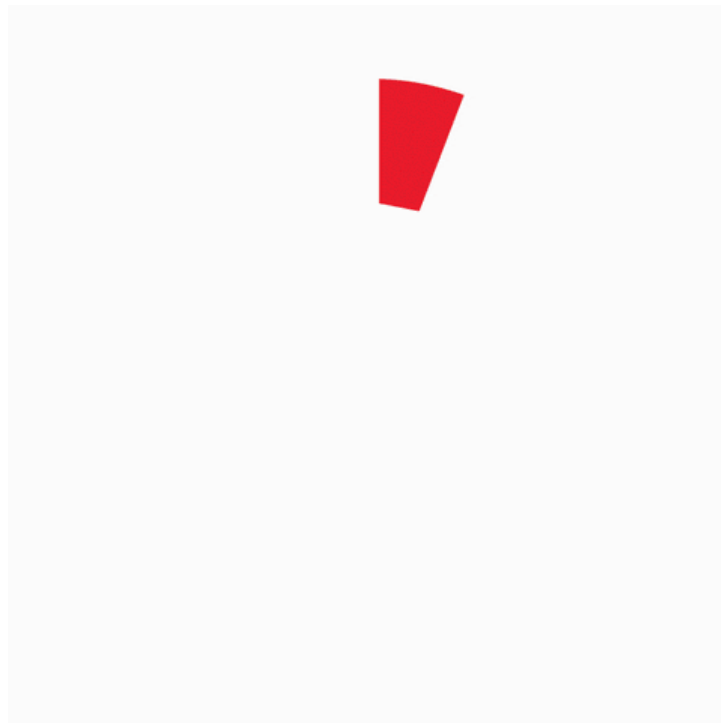
## COVID-19 IMPLICATIONS

# THE PANDEMIC IS AN ADDITIONAL THREAT TO FOOD SYSTEMS



在2021年，糧食問題似乎又面臨了新的挑戰！

看圖猜出是哪一個SDGs?



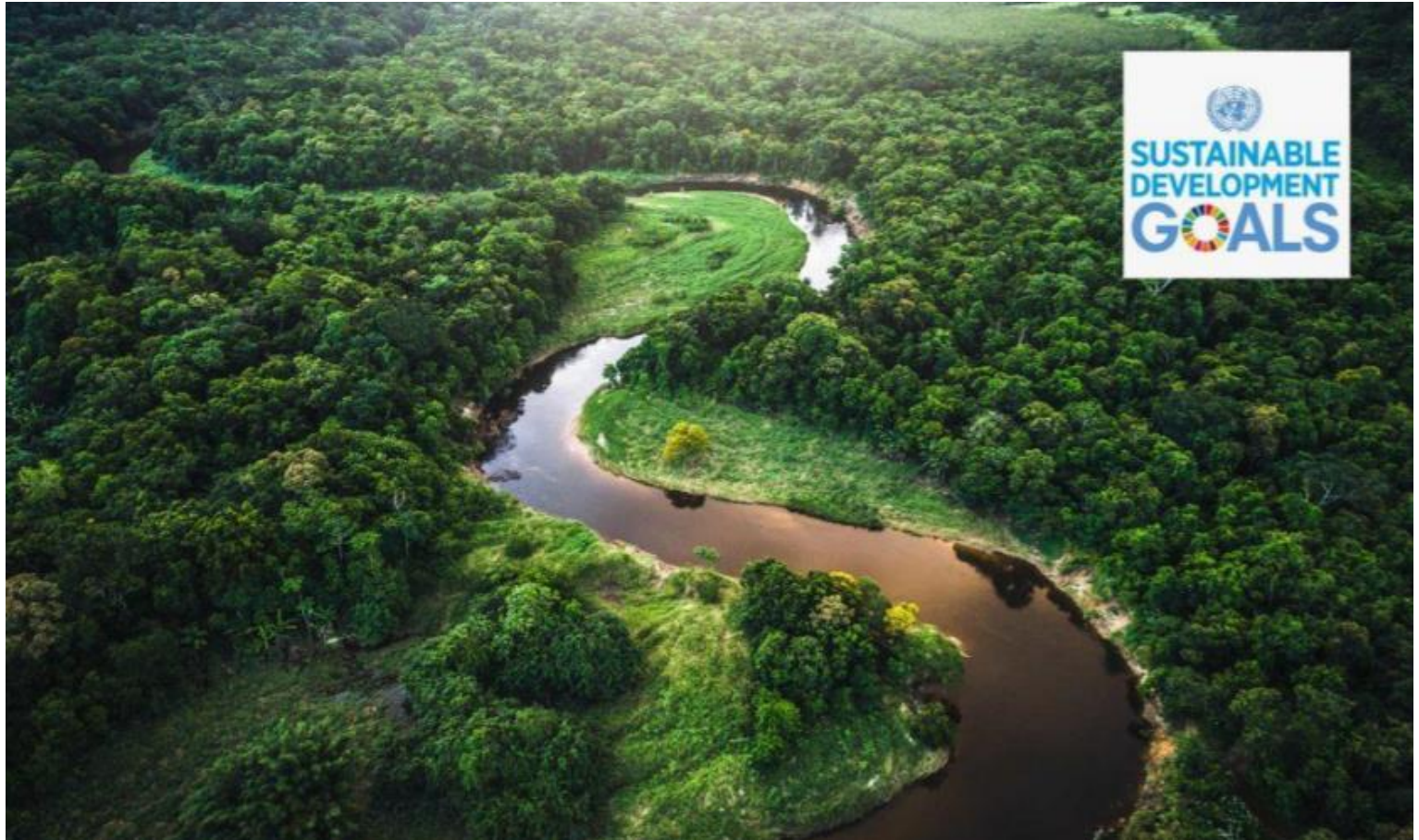














2022/12/29





**#ACTNOW** FASHION CHALLENGE

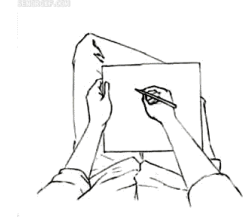
[un.org/ActNow](https://un.org/ActNow)





2022/12/29

# Create my SDGs Picture!!



Recycle



Zero-Waste Fashion

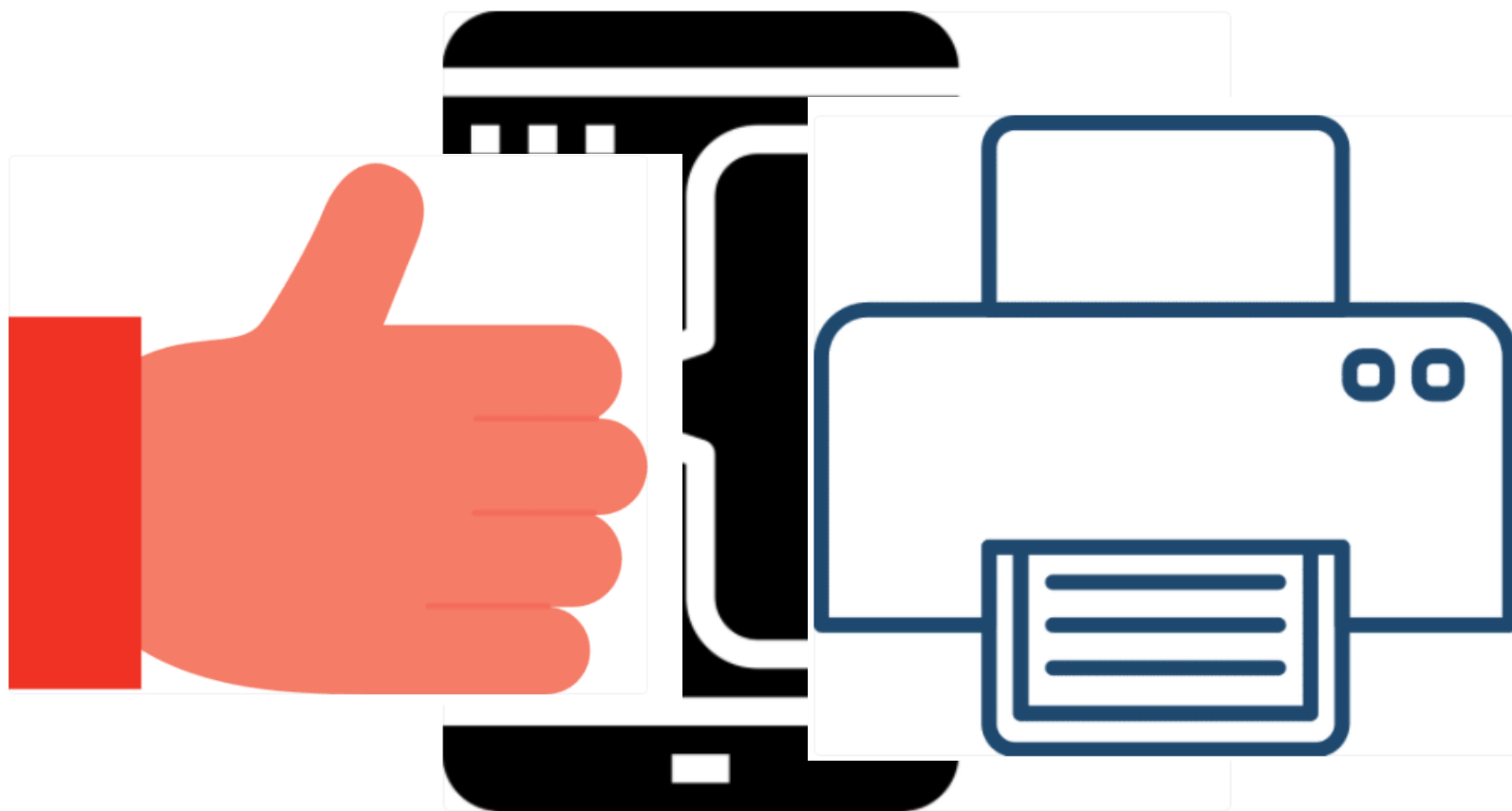


# Today's Tasks



1. What's SDGs?  
SDGs mini tasks.
2. carbon footprint
3. Calculate your carbon footprint
4. 9 ways to reduce your carbon footprint

finger + print = fingerprint



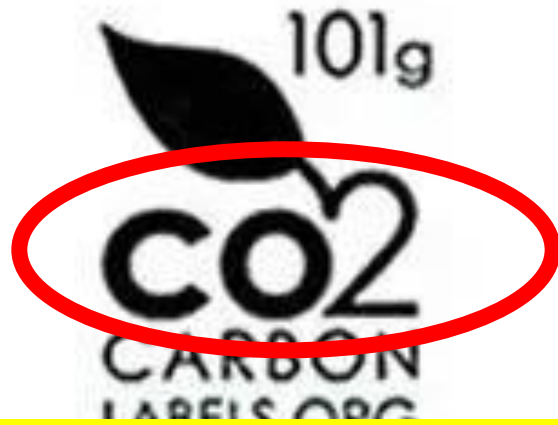
foot + print = footprint



# What is a carbon footprint?



They all have CO<sub>2</sub>



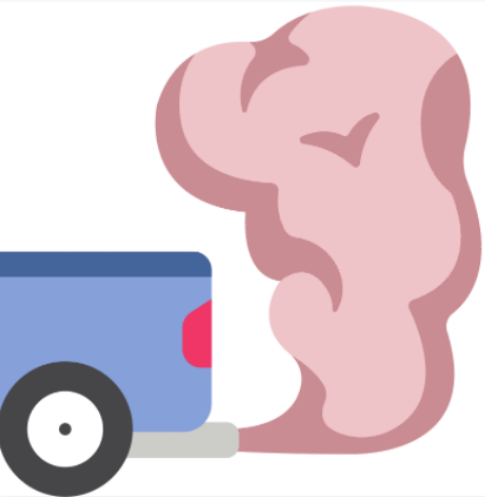
Taiwan



Germany

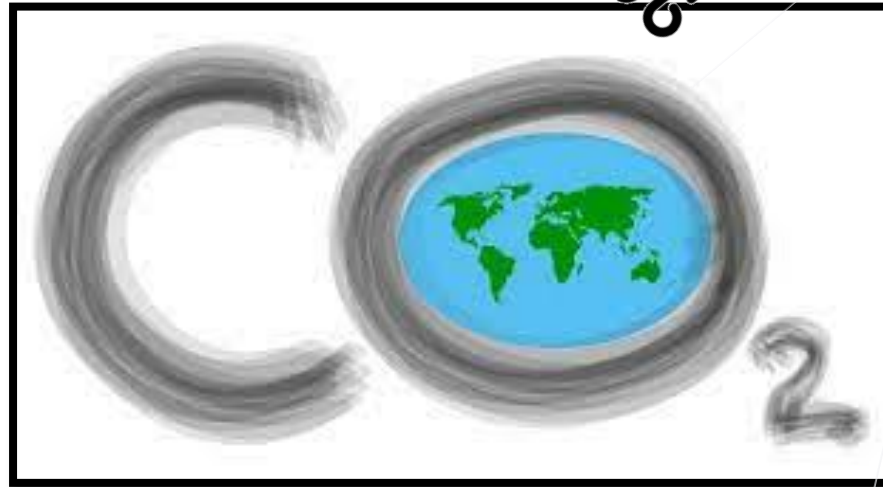


# Where is CO2 from?



car

animal



industry  
company



scooter

# Where can we find it?



drink



stationery



# What does it mean?



# Carbon footprint from the world!



Japan



Taiwan



UK



USA



Sweden



Korea



Germany





# Today's Tasks



1. What's SDGs?  
SDGs mini tasks.
2. carbon footprint
3. Calculate your carbon footprint
4. 7 ways to reduce your carbon footprint



WHAT IS YOUR

# Ecological Footprint?

How many planets do we need if everybody lives like you?

When is your personal Overshoot Day?

TAKE THE



FIRST STEP



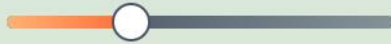
<https://www.footprintcalculator.org/>

FOOD

# How often do you eat animal-based products?

(beef, pork, chicken, fish, eggs, dairy products)

NEVER



VERY OFTEN

**Occasionally**

(really like veggies - occasional meat, eggs/dairy)

ADD DETAILS TO IMPROVE ACCURACY



Calculate your carbon footprint from \_\_\_\_\_.

food/ housing/ transportaion.

HOUSING

# Which housing type best describes your home?

- Freestanding, no running water
- Freestanding, running water
- Multi-storey apartment
- Duplex, row house or building with 2-4 housing units
- Luxury condominium



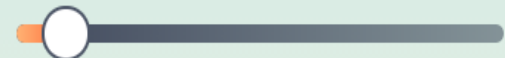
TRANSPORTATION

# How far do you travel by car or motorcycle each week?

(as a driver or passenger)



ZERO

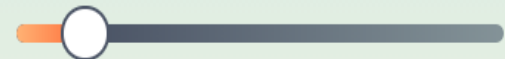


VERY FAR

**45 kms**  
28 miles



ZERO



VERY FAR

## RESULTS

Your personal Earth Overshoot Day is:

30. Apr 

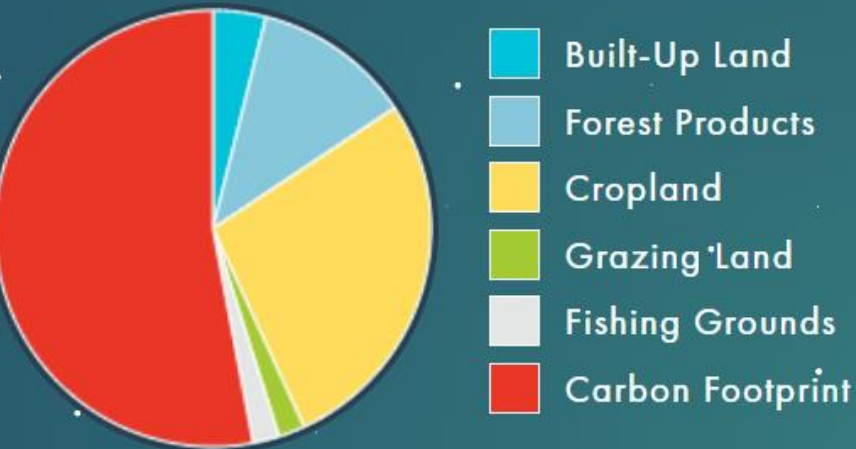
If everyone lived like you, we would need

3 Earths 



# Results

## By Land Type



## By Consumption Category





# How do you feel?



Shocked



Inspired



Helpless



Intrigued



Worried



Embarrassed



Confused

# 7 ways to reduce your carbon footprint!

1.



public transportation.

2.



No plastic!

3.



Less meat, more vegan.

4.



recycling

5.



Get more news.

6.



Electric car.

7.



Green Energy

# the carbon footprint



Make  
your  
carbon  
footprint!

