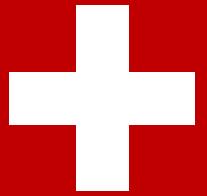


# Empreinte Carbone Annuelle d'un-e Résident-e Suisse et de ses Actions Clés

Design Project SIE

11 juin 2020

Supervisé par Jérôme Payet et Victor Kristof



INTRODUCTION

MÉTHODE

EMPREINTE  
CARBONE  
D'UN SUISSE

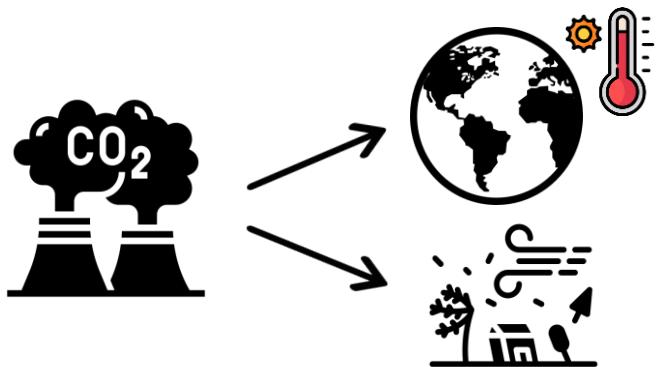
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# CONTEXTE

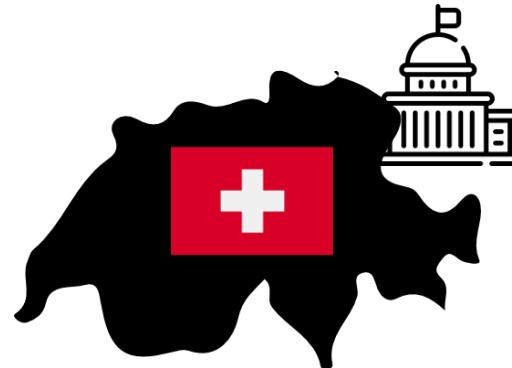
## Monde

Changement climatique  
et prise de conscience



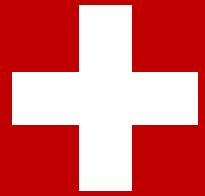
## Suisse

- Politique climatique Suisse
- Implication des citoyens



Emprinte  
carbone





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# BUTS & OBJECTIFS

- Apport de connaissances scientifiques sur l'empreinte carbone d'un citoyen Suisse



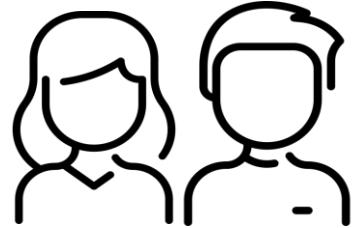
- Outils / ressources accessibles pour tous afin de sensibiliser la population



“ Quelles sont les principales actions et les catégories de vie qui influencent l'empreinte carbone annuelle d'un résident suisse ? ”

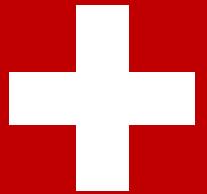


de



de





# ANALYSE DU CYCLE DE VIE

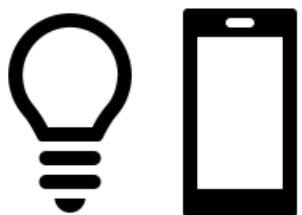
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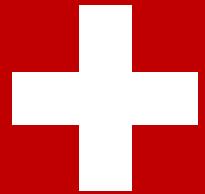


impact du produit sur :

- Changement Climatique
- Eutrophication marine
- Utilisation du sol
- 11 autres catégories

Unité fonctionnelle : 50 W, 1'000 heures





# ANALYSE DU CYCLE DE VIE

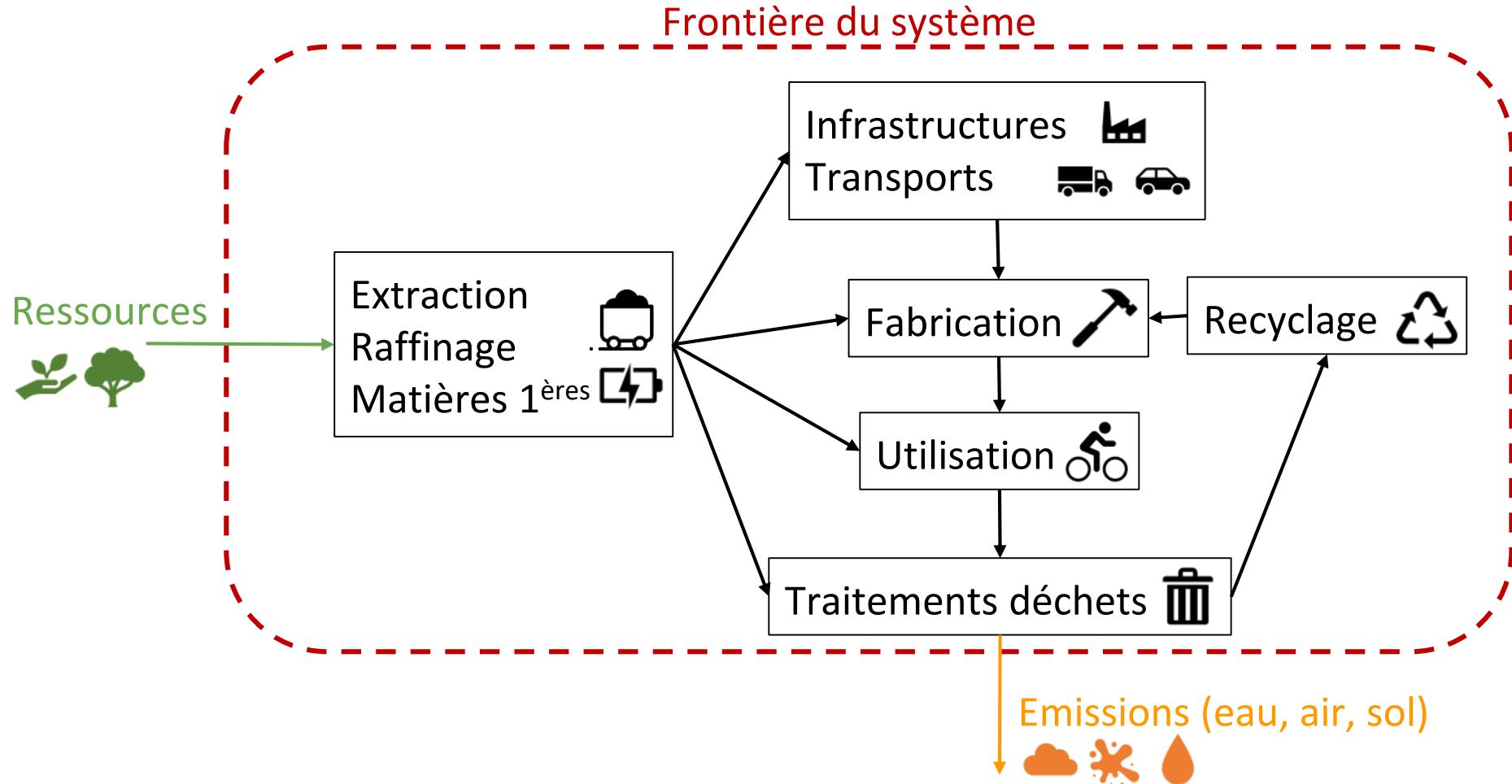
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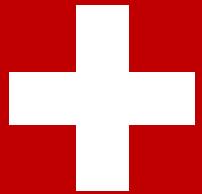
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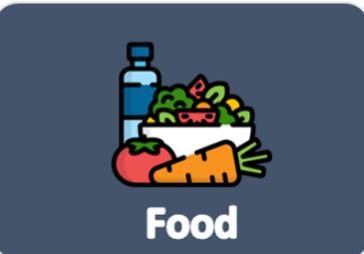
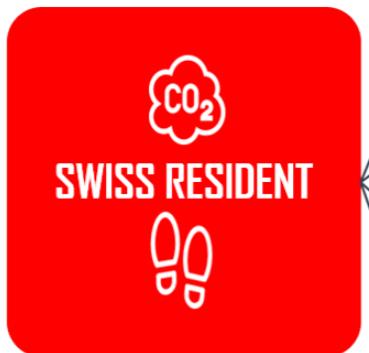
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# MÉTHODE



Vegetal foodstuffs

Animal foodstuffs

Dairy products & eggs

Drinks

Cars

Planes

Public transports (train & bus)

Motorbikes

Energy & utilities (water, waste)

Construction & heavy maintenance

Housing equipment

Health goods & services

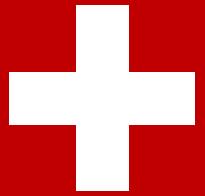
Clothes & shoes

Food & accommodation services

Leisure & cultural services

Freight & courier services

Other goods & services



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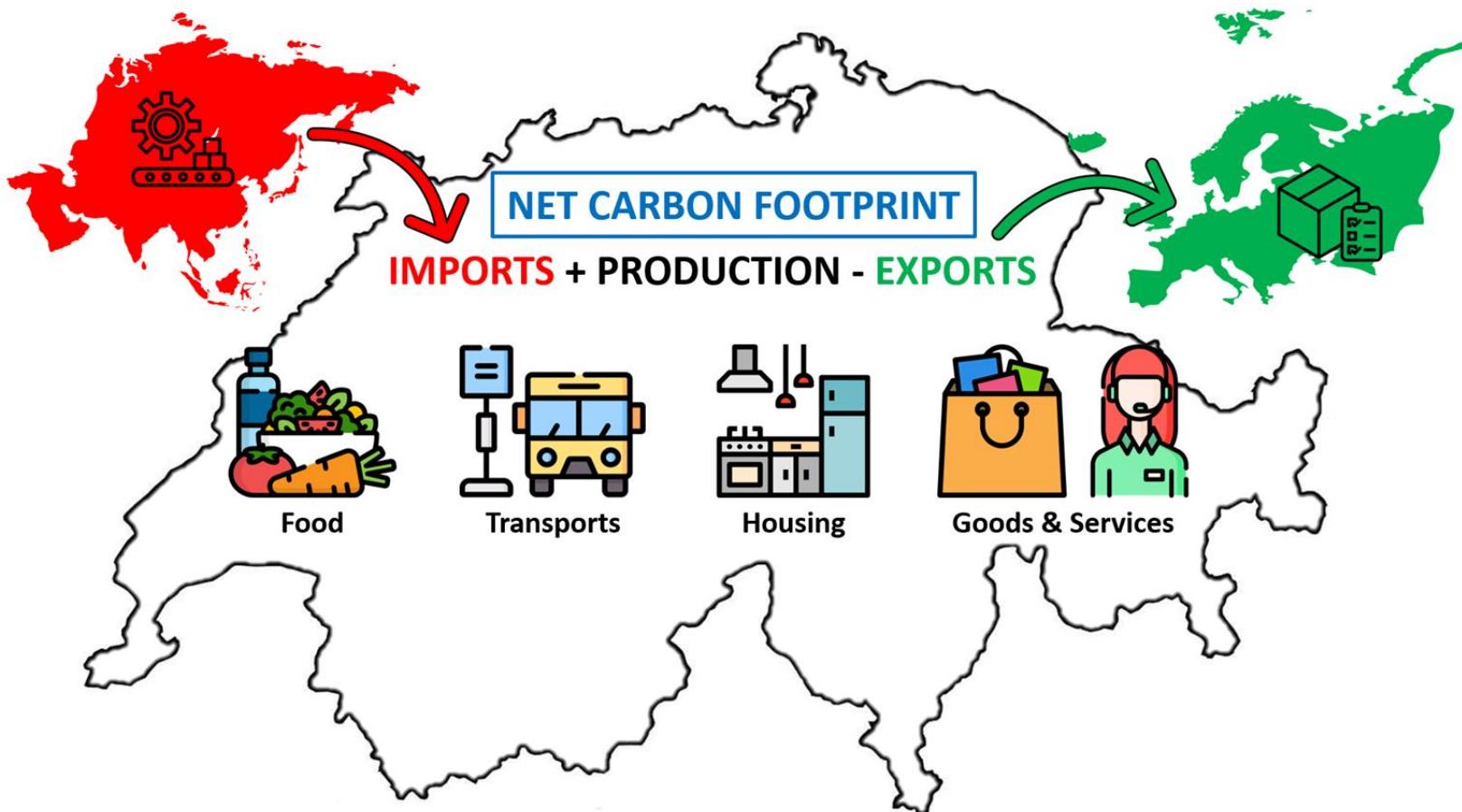
MÉTHODE

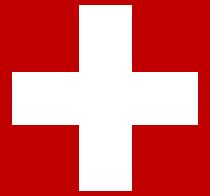
EMPREINTE  
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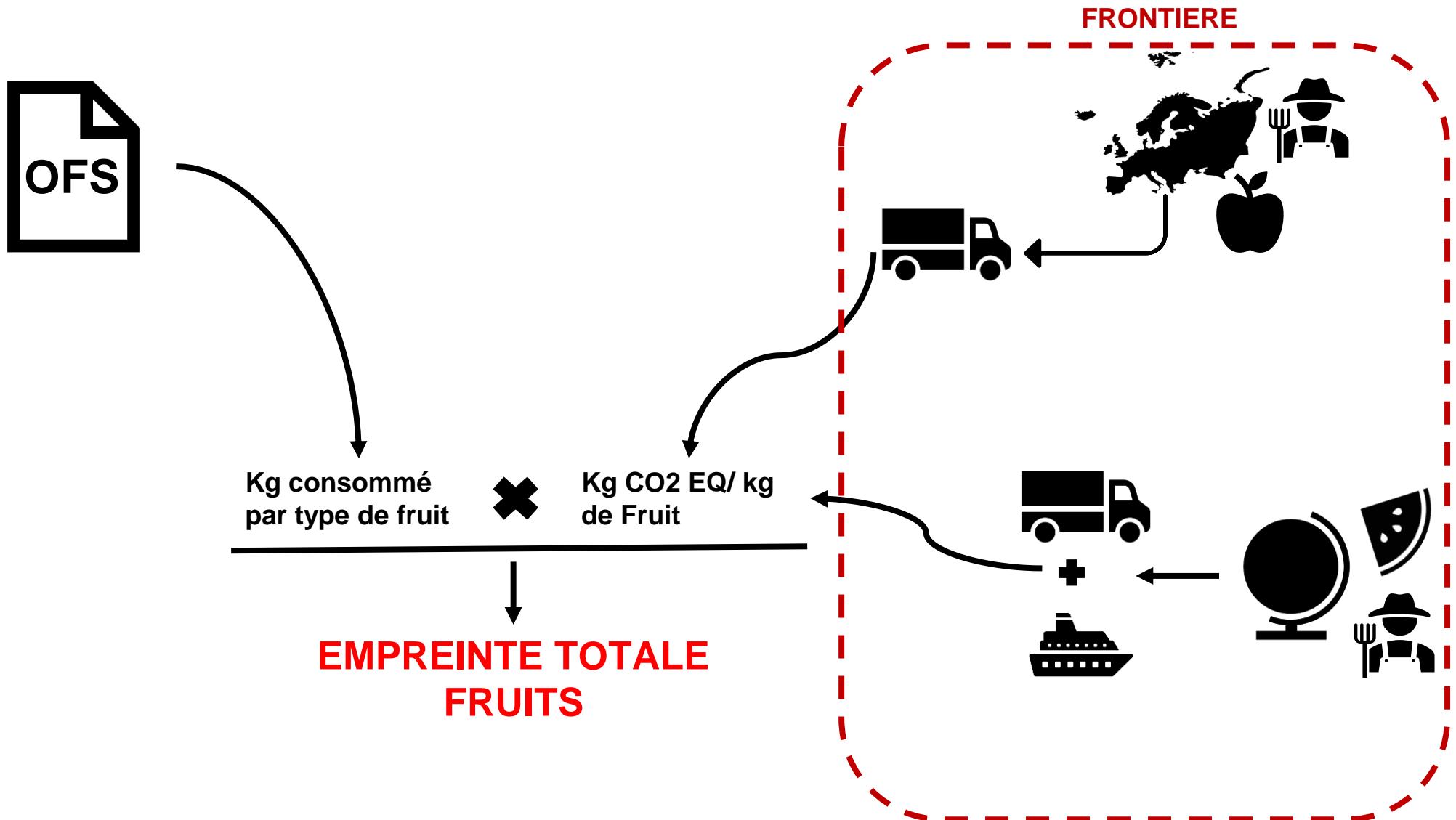
# MÉTHODE

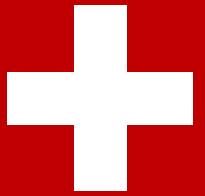




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# EXAMPLE: FRUITS





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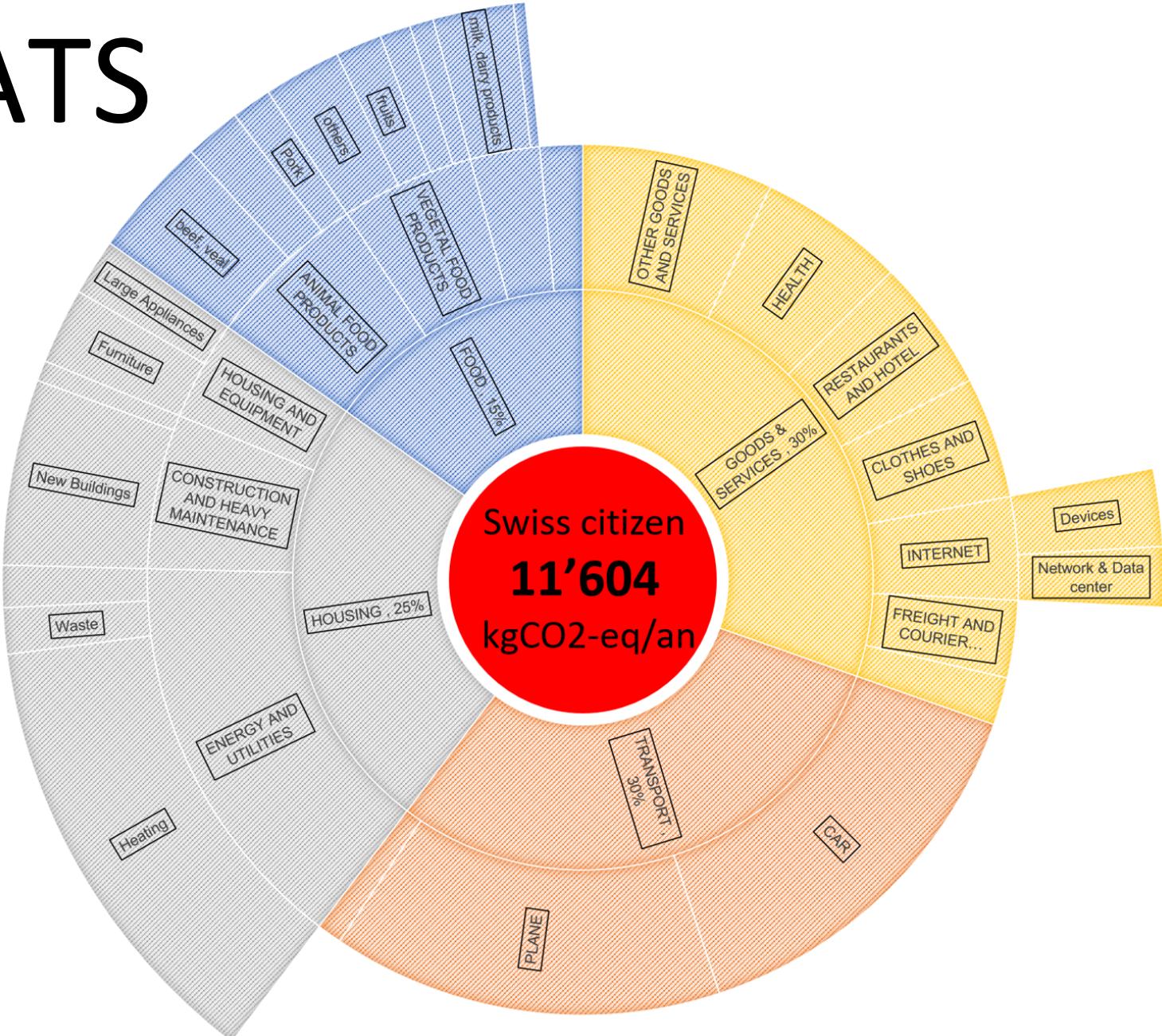
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CARBONE  
D'UN SUISSE

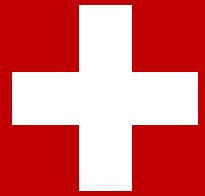
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# RÉSULTATS

- Alimentation
- Transport
- Logement
- Biens & Services





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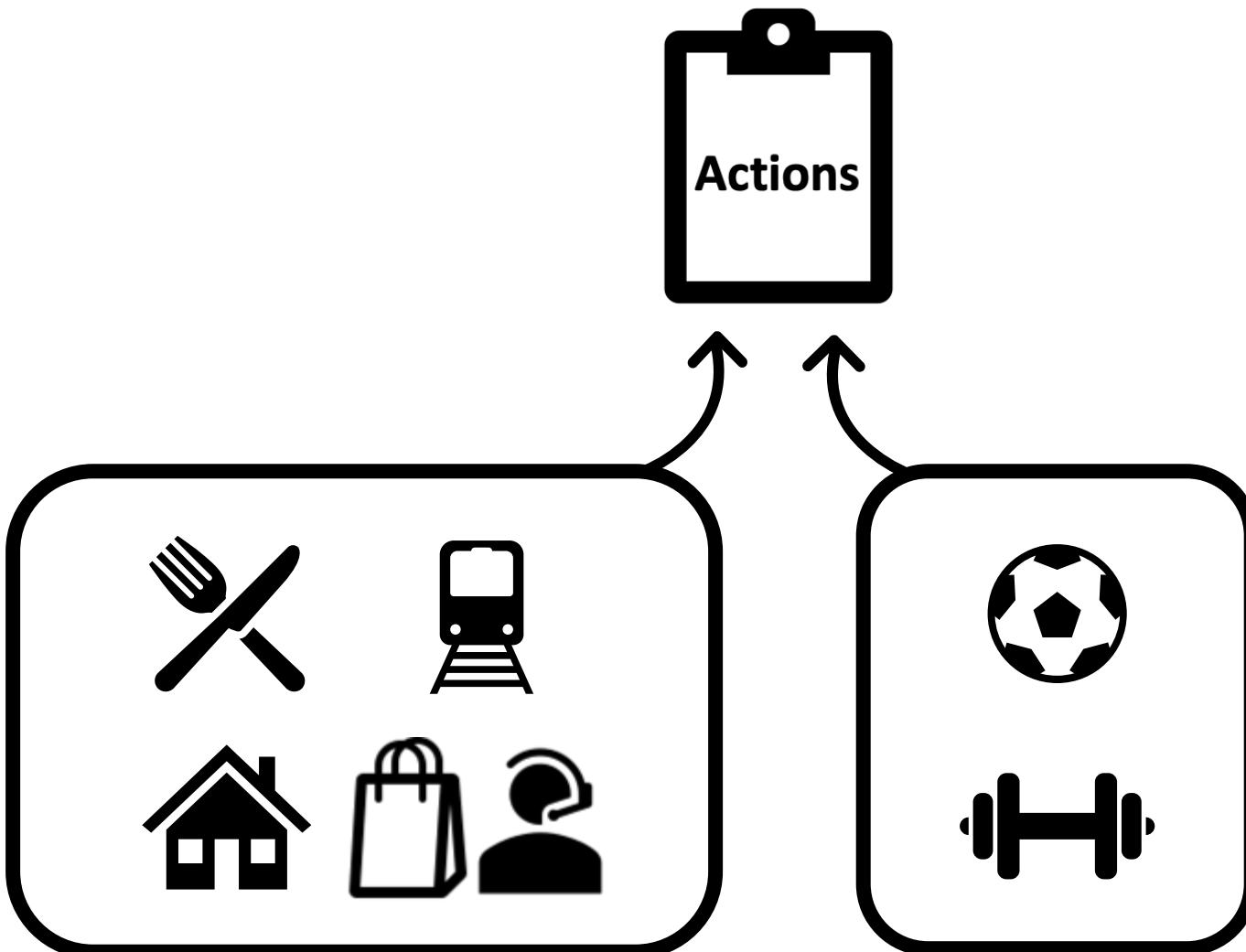
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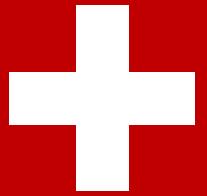
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# MÉTHODE DE SÉLECTION





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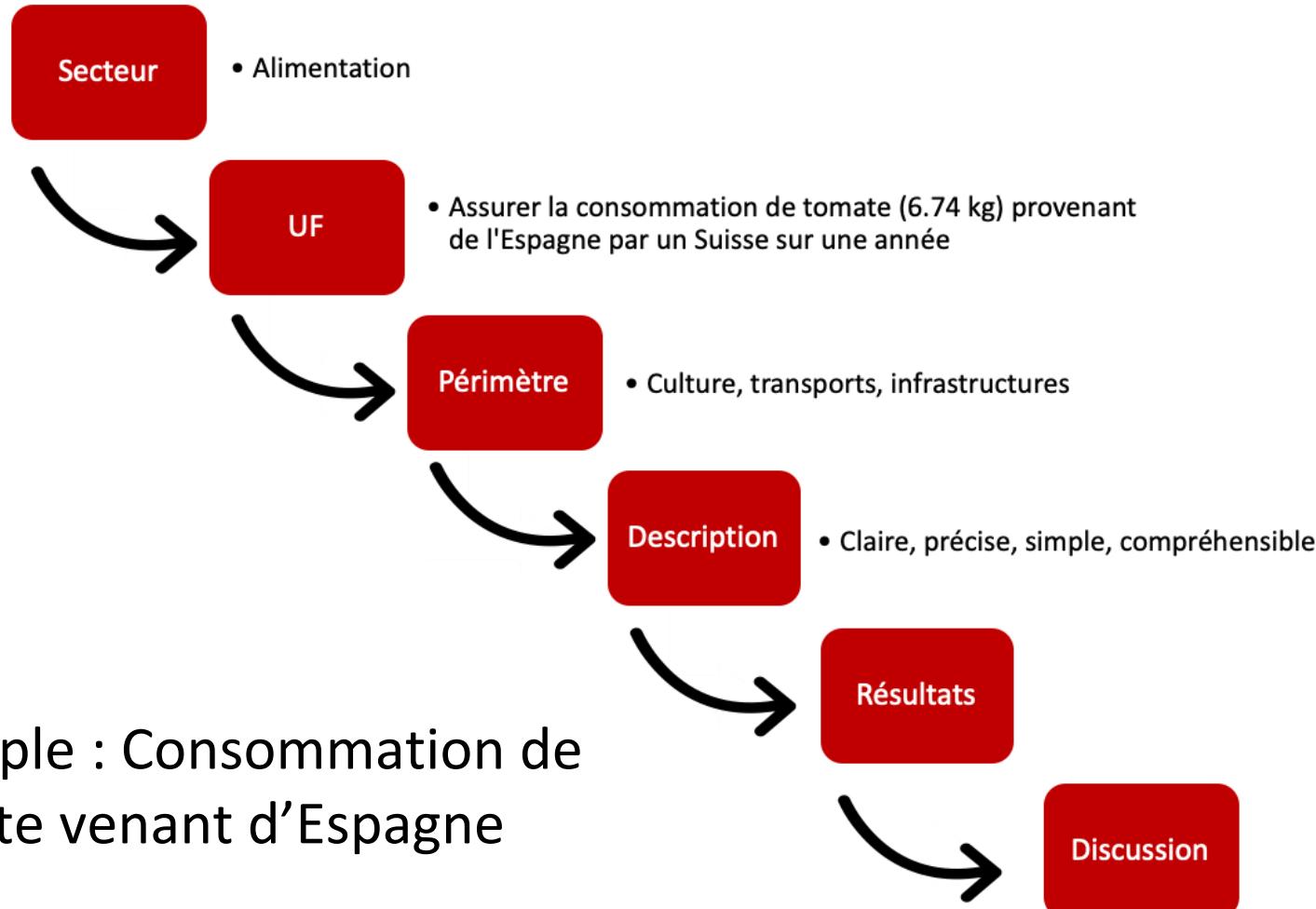
MÉTHODE

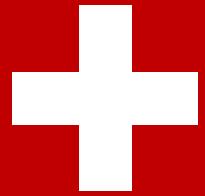
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# MODÉLISATION





# RÉSULTATS -ALIMENTATION

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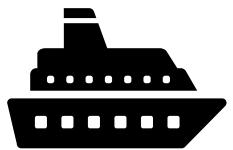
CONCLUSION



VS



5x



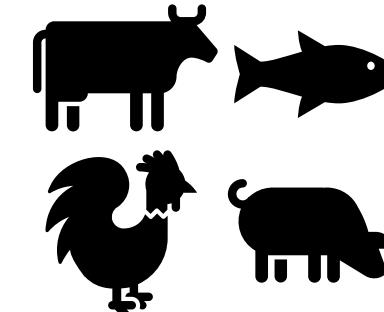
VS



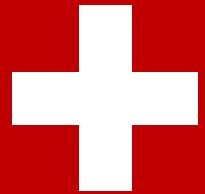
100x



VS



2x



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# RÉSULTATS - TRANSPORT

Lausanne  $\leftrightarrow$  Zurich



VS



64x

Genève  $\leftrightarrow$  Barcelone



VS



4x

Zurich  $\leftrightarrow$  Prague



VS



1,2x

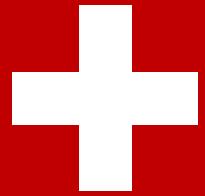
Domicile  $\leftrightarrow$  Travail



VS



14x



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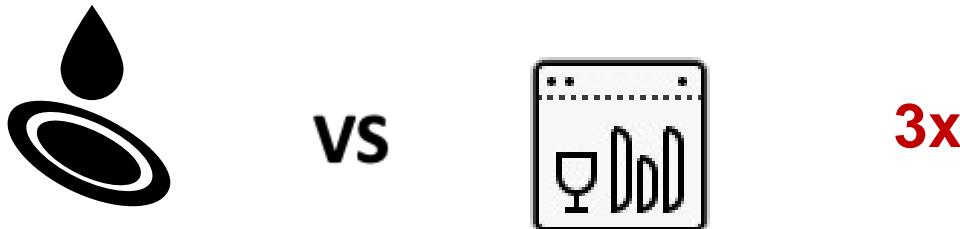
MÉTHODE

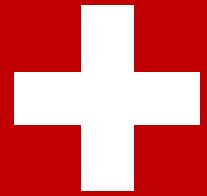
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# RÉSULTATS - LOGEMENT





# RÉSULTATS - BIENS & SERVICES

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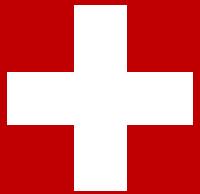
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Climpact

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## Instructions

Compare the following two actions by estimating which one emits more than the other.

1. Move the slider to choose your answer.
2. Click on an image to read more about an action.
3. **End the quiz whenever you want.**



Take the bus from  
Lausanne to Paris and  
back

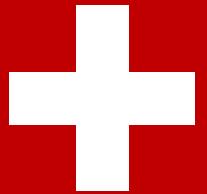


Eat eggs and dairy  
products for one year

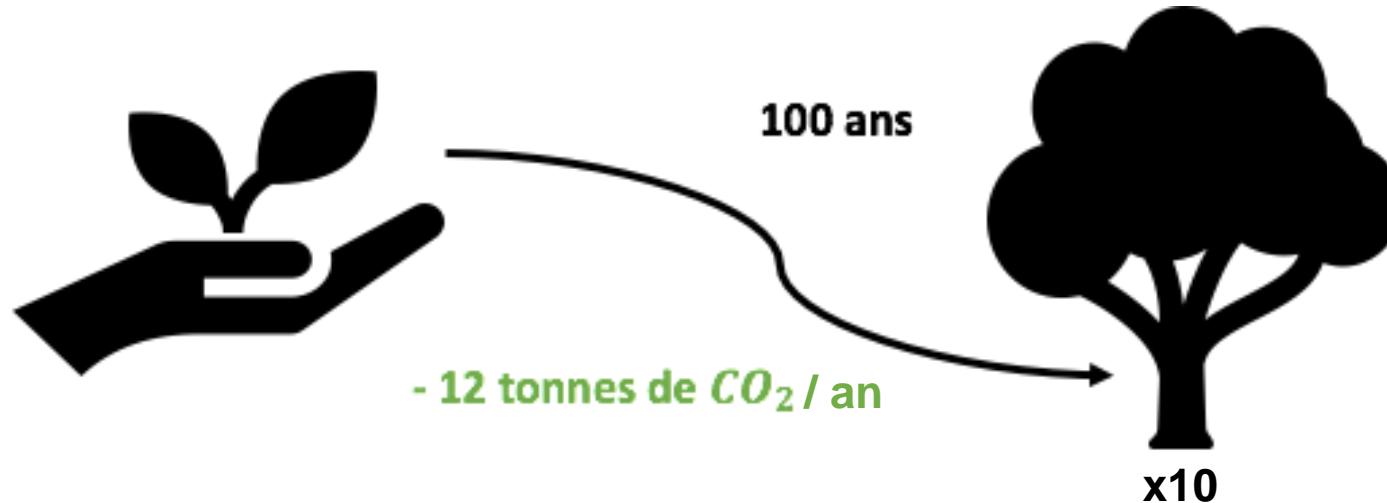


*Take the bus from Lausanne to Paris and back*  
releases

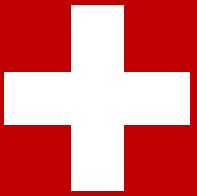
1



# CONCLUSION



*"Pour résoudre la crise systémique qui nous attend, nous ne pouvons pas agir en considérant seulement l'empreinte carbone"*



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**16 g de CO<sub>2</sub> par personne**

**Et vous, qu'allez-vous faire maintenant ?**