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捐助機構 Funded by:



香港賽馬會慈善信託基金
The Hong Kong Jockey Club Charities Trust

同心同步同進 RIDING HIGH TOGETHER





Direct water use

(Real water)

Drinking

Cooking

Bathing

180 litre/day

Indirect water use

+ (Virtual water)

Food

Clothes

Paper

? litre/day

Virtual Water



Water used up in production processes is *invisible* to us



WF: Reveals this "hidden" water



WF: Helps us visualise the connections between our <u>consumption</u> habits and the world's <u>freshwater</u> resources



Water Footprint of a product

What is the *virtual water* content of these items?

A sheet of A4 paper



10 litres

A cup of coffee



130 litres

A cotton **T-shirt**



2,000 litres



Components of Water Footprint



- Green Water Footprint
 - Rainwater



- Blue Water Footprint
 - Surface water + groundwater



- Grey Water Footprint
 - Dilute pollution



Tomatoes imported into Hong Kong





Grey 38% Blue 36% Green 26%



Green 64%
Grey 35%
Blue 1%

Water Footprint of animal products

- Direct water use (drinking water)
 - Composition of <u>feed</u>
 - Origin of <u>feed ingredients</u>

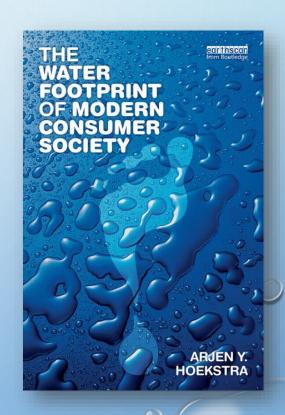






What is Water Footprint?

- An innovative concept
 - Impacts of our *consumption* on world's *freshwater*
- An indicator of our water use
 - <u>Direct</u> + <u>Indirect</u>
- A multidimensional indicator
 - Where?
 - When?
 - Which?



How to reduce your Water Footprint?



Do not waste food



> 50% of a person's WF = Food



Find alternative sources of protein



How should we respond to water scarcity in a globalised world?



Know your Water Footprint

- Hong Kong: relies heavily on imports



JC-WISE Water Footprint Calculator

- First-of-its-kind
- Popular local dishes

JC-WISE Water Footprint Calculator

- Web-based Calculator: <u>www.jcwise.com/wfc</u>
- Mobile App: Download at App Store (iOS) or Play Store (Android)







Water Footprint of our meals

Let's find out the virtual water content of meal (A):

Total: 1,320 litres



Satay beef burger **1,254 litres**



Lemon tea 66 litres



Let's find out the virtual water content of meal (B):

Total: ____ litres



Steamed pork dumplings

____ litres



Turnip cake

____ litres



Steamed shrimp dumplings

litres



WATER FOOTPRINT



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Jockey Club Water Initiative on Sustainability and Engagement (JC-WISE) is a 3-year, HK\$14.7 million project funded by The Hong Kong Jockey Club Charities Trust and hosted by the Faculty of Social Sciences, HKU. It aims to raise the public's awareness, and appreciation, of the importance of attaining long-term water sustainability for Hong Kong.

Read more

「河處是吾家」項目簡介暨 山貝河流域考察活動

2017年9月22日

Events



JC-WISE Video





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