Envirofy your Shop: Development of a Real-time Tool to Support Eco-friendly Food Purchases Online



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Envirofy is the first eco-friendly e-commerce grocery tool for real shoppers. Envirofy was developed using both behaviour change theory (Behaviour Change Wheel) and multidisciplinary evidence.

Problem Domain & Motivation

A third of global greenhouse gas emissions are attributable to the food sector, however dietary change could reduce this by 49%. Many people intend to make eco-friendly food choices, but fail to do so at the point-of-purchase. Educat-

The Main Features of Envirofy

- traffic light colour coded icons to convey the food product's overall, production, transport, and packaging carbon footprints;
- reordering the items on the website from environmen-

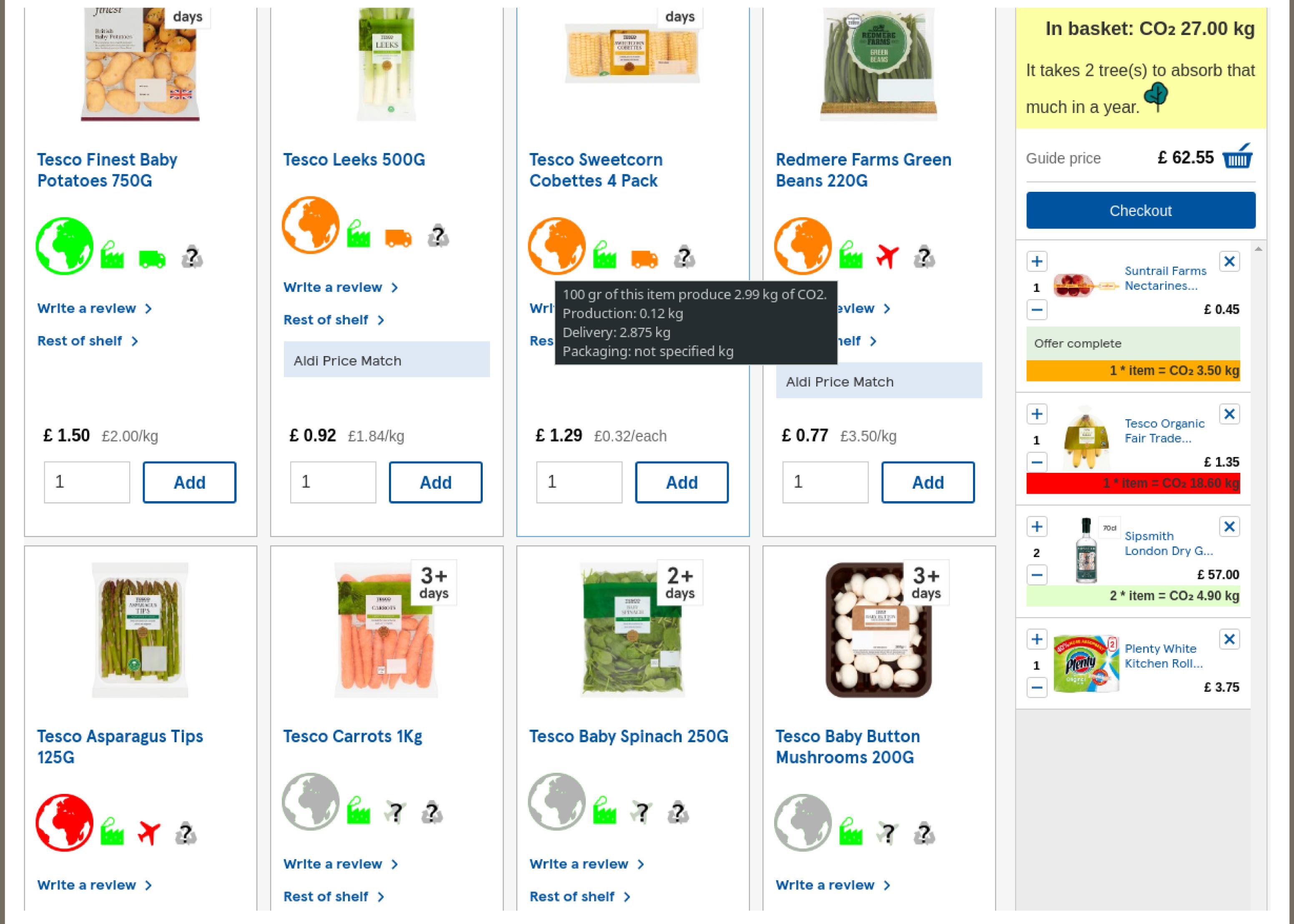
ing consumers on the environmental impact of their choices during their shop may be a **powerful approach** to **tackling climate change**.

tally friendliest (at the top of the page) to unfriendliest; and

• a **running total** of the shop's impact.

The Envirofy Web Browser Extension

Envirofy works on top and independently of the standard website of Tesco and Waitrose & Partners.



Conclusion

HCI researchers have an important role in designing, developing and evaluating novel behavioural interventions that target sustainable food choices, intention-behaviour gaps in other domains, and ultimately in reducing GHG emissions.

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