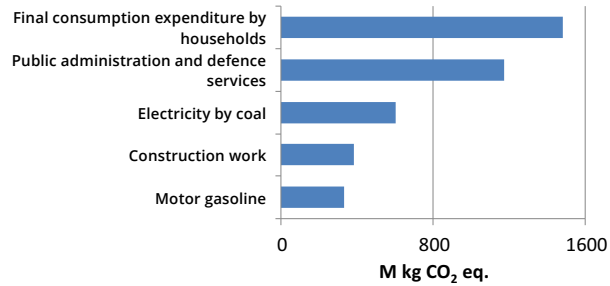
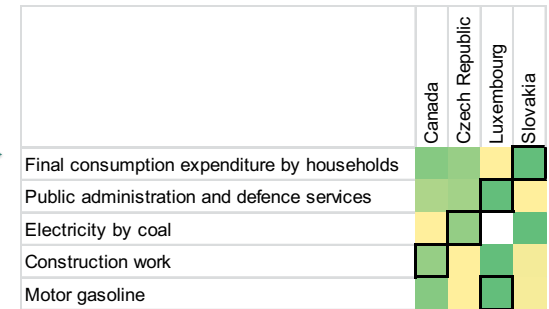


## Step 1: Find hotspots



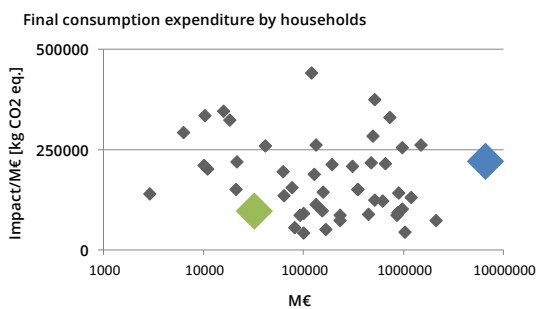
Identify products used in U.S. consumption with the highest embedded global warming impact.

## Step 2: Compare impact intensities



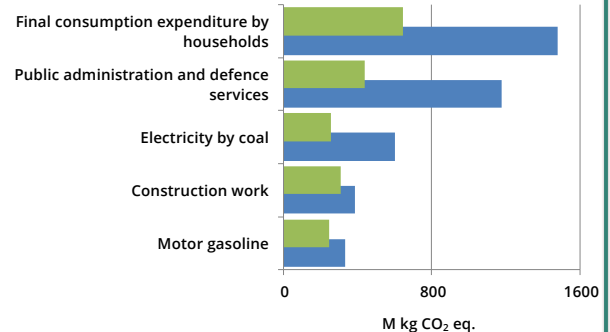
Compare intensities from these products with the rest of the world.

## Step 3: Use lower intensity



Replace these intensities with a lower alternative from the 1<sup>st</sup> quartile of the distribution of intensities.

## Step 4: Calculate room for improvement in hotspots



Calculate potential improvements in global warming impact of hotspots.

## Objective

Global environmental impacts of consumption are often unsustainable. Therefore governments are looking for ways to reduce these impacts.

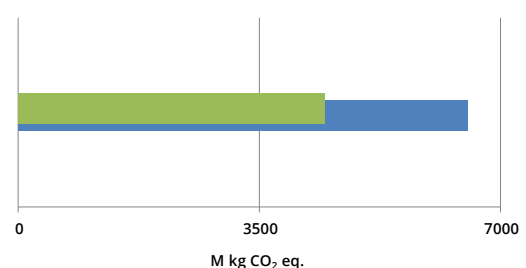
Before managing these impacts however, we need to be able to accurately model them. A promising way to model these impacts is with Environmentally Extended Multi-Regional Input-Output (EEMRIO) analysis.

Moreover, such models allow us to compare the global environmental impacts of countries. This comparison allows us to assess the potential improvement in these impacts of consumption across countries.

The objective of this study is to contribute to national efforts to reduce environmental impacts from consumption by proposing a method to identify potential priority sectors and room for improvement in their footprints. The method is illustrated here with GHG emissions from U.S. consumption.

This study uses EXIOBASE v3.3, one of the most comprehensive EEMRIO models currently available.

## Step 5: Calculate room for improvement in national consumption footprint



Calculate potential improvements in global warming impact of U.S. consumption.