Reviewer's report

Title: Reducing our environmental impact and increasing our health: greenhouse gas emission and land use of usual diet and mortality in the EPIC-NL cohort

Version: 2 Date: 3 February 2014

Reviewer: Prajal Pradhan

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General Comments

This is an interesting study on GHG emissions, land use and mortality risk associated with human food habits. Although we already know emission and land use reduction potential of changing dietary patterns towards a low share of animal products, in my view, this study provides a new insight on how GHG emissions, land use and mortality risk are linked with dietary patterns based on data obtained from almost 16 years long survey. I find the manuscript nice to read and acceptable. However, due to my limited knowledge on statistics, I think that it might be better if this manuscript is also seen by an expert statistician.

Minor Essential Revisions

Background

2nd paragraph: Please define or clarify features of “Western diet” and “American diet”.

3rd paragraph: Please elaborate diet recommendation in the Dutch Dietary Guidelines.

3rd paragraph: What are the “three diets” for which the health effects were modeled?

4th paragraph: Please define or explain what “sustainable diet” is.

Study Population

2nd paragraph: For me, it is unclear how energy requirement is estimated as mentioned in “the ratio of energy intake over energy requirement”. I hope “energy intake” was based on the FFQ. But it is not explained how energy requirement was calculated.

Participants Characteristics

“weight by height squared” instead of “height by weight squared”

Level of interest: An article of importance in its field

Quality of written English: Acceptable
**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I declare that I have no competing interests.