The open-ended question was the first question on our surveys in both 2015 and 2017 in order to avoid contamination effects from the remainder of the survey.

**Research Questions**

<table>
<thead>
<tr>
<th>RQ1</th>
<th>RQ2</th>
<th>RQ3</th>
<th>RQ4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Who do respondents project negativity towards?</td>
<td>What action and/or solutions do respondents cite?</td>
<td>What consequences of climate change do respondents cite?</td>
<td>Where do respondents assign responsibility with respect to climate change?</td>
</tr>
</tbody>
</table>

**Analysis Codebook**

**NULL**
- e.g. disbelieves climate change happening, doesn’t discuss consequences
- U.S. - “It’s a hoax”
- CH - “Human should act”

**AIR QUALITY**
- e.g. smog, air pollution, PM2.5, smoke, haze (not “pollution”)
- U.S. - “...smog in urban skylines...”
- CH - “Poor air quality...”

**ICE LOSS**
- e.g. melting of polar ice caps, glaciers, icebergs, arctic/Antarctica
- U.S. - “Polar ice caps melting”
- CH - “Antarctic & Arctic glacier melting”

**SEA LEVEL**
- e.g. ocean warming, land lost or submerged, coastal inundation
- U.S. - “Rising water levels”
- CH - “Sea level is going to rise”

**WEATHER**
- e.g. drought, flood, hot, cold, extreme, storms, El Nino, hurricanes
- U.S. - “Changing temperature and warmer winters. Hotter summers”
- CH - “Extreme weather”

**HUMAN SYSTEMS**
- e.g. health, generations, food, infrastructure, natural disaster
- U.S. - “A real issue that will negatively effect future generations”
- CH - “Human’s living environment becomes worse”

**CONCERN**
- e.g. generalized worry, problem, terrifying, serious, destruction
- U.S. - “It worries me immensely...”
- CH - “The end of the world”

**NATURAL SYSTEMS**
- e.g. environment, animals, mother nature, planet, Earth
- U.S. - “The destruction of the environment, and animals losing their homes”
- CH - “The earth’s environment is getting worse”

**2017 Use of Coding Analysis Toolkit (CAT)**

- Accepted standard in social science, used in peer reviewed journals
- Free and open-source (Textifier, LLC - Dr. Stuart W. Shulman)
- Easier and more efficient than Microsoft Excel
- Multiple coders assigned to one dataset with ability to split the dataset between coders
- Krippendorff’s alpha, an intercoder reliability statistic calculated for both CAT’s (avg data = .87)

**Comparison Tools - Standard Compare**

**Topic I**

**Based on our CC score calculations we find that Chinese views are significantly more aligned with the scientific realities of CC compared to the views of Americans.**

- US views on CC vary more widely compared to Chinese views
- Large ↑ in CC score in the US (driven by concern/obligation) between 2015 and 2017
- Slight ↑ in CC score in China between 2015 and 2017

**Conclusion & Discussion**

Our research project presents a continuing investigation of Chinese and American public views regarding this very important global issue across a four separate topic areas using survey data from 2015 and 2017.

**Topic II**

Examining support for an international CC treaty we find that Chinese citizens show significantly more support compared to the support shown by Americans.

- Significant negative non-reciprocity effect in both China and the US in 2015 and 2017
- Slight positive reciprocity effect in US 2015 and slight negative reciprocity effect in CH 2015
- Large ↑ in support in US between 2015 and 2017 (consistent with ↑ CC score)
- CC score positively correlated with support
- Political division in US with liberals showing more support compared to conservatives (US, not shown)

**Research Objectives & Future Work**

- Raise awareness regarding public views on CC
- Provide information and facilitate discussion related to CC and policy action
- Collaborative research with American and International partners
- Model of excellence in student/faculty collaborative research
- Continued analysis of WTP question
- Additional research questions, logistic regressions for open-ended text data
- More data collection in 2020
- Do you want to collaborate with us/join our team?
- THANK YOU VERY MUCH for taking the time to investgate our work!