

## RESEARCH PLAN

**Researcher:**

**Duration of Research:**

1 year (from to )

**Title of Research:**

“Assessing and Mitigating Environmental Exposure Risk of Travel”

**Goals of the project:**

The overarching goal of the project is to evaluate the population exposure risk to air pollutants during travel in China under serious air pollution situation, and to develop strategies for helping people to reduce the potential exposure risk through optimizing their travel routes and travel time. With this research objective, this project will conduct ...

**Research Questions:**

The research questions to be addressed are:

- Where does the environmental exposure risk come from for travel in China?
- ...

**Significance:**

There is almost no professional report about air pollution and tourism destination choices in China, this project will fill a research gap in field of Tourism Geography. ...

## **Research Method and Statistical Analysis**

Main methods for this study include field survey, geographical information system (GIS) spatial analysis and regression modeling. ...

### **Potential Risks:**

- ...
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### **Potential Benefits:**

...

### **Defining the study area:**

Because of the problems mentioned above, the study area will be confined. So the most preferable travel routes and areas with interested travel spots will be chosen as the study area.

### **References:**

Bell ML, Ebisu K (2012) Environmental inequality in exposures to airborne particulate matter components in the United States. *Environmental Health Perspectives* 120:1699-1704.

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### **Possible Study Process:**

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