# **Proposal for Geographic Information Analysis (GIA) Pilot Hours**

## Proposal Submission Guidelines

The purpose of GIA pilot hours is to support Penn State faculty in developing external grant proposals. The GIA pilot hours provide up to 10 hours of spatial analysis and statistical support at no cost. If the proposed research requires more than 10 hours of such support, the investigator should apply for a Social Science Research Institute (SSRI) seed grant or to another source for funding (e.g., department, college, or other research centers).

Although most proposal reviewers will have expertise in GIA, they may not have expertise in your research area. Therefore, your proposal should be written for a broad academic audience. Of particular importance is a clear and compelling statement of how GIA will contribute to the scientific impact of your work.

Proposals must include all sections listed under “Proposal Structure” below. Proposals should be single-spaced, in no smaller than 11-point type, with left-aligned one-inch margins. Proposals cannot exceed three pages (excluding information requested in Item 8). Proposals that do not conform to guidelines will not be reviewed. All components of your proposal should be compiled into one PDF file and emailed to csa-info@psu.edu.

## Proposal Structure

### Title page

Provide the following information:

1. Title of proposal
2. Three to five descriptive keywords
3. Name of lead investigator\*
4. Name of collaborating investigator(s)\*

\*Contact information must be included for all investigators. Please follow the format outlined below for each investigator:

Name (PSU Access ID [i.e., abc12])
Title
Department/Unit
College/Campus
Email
Phone
Tenure Track – Yes/No

### Provide a rationale and research aims

Provide a brief statement of the background for the project and specify the research aims. This section should highlight the innovation and significance of the proposed work.

### Describe the envisioned GIA tasks

Please see the Computational and Spatial Analysis (CSA) Core website for detailed descriptions of our GIA services.

### Explain how GIA pilot hours strengthen the project

Describe how the requested GIA pilot hours contribute to the project.

### Describe the expected deliverables

Please specify the deliverables derived from GIA pilot hours that will be used in your external grant proposal. Examples include maps of the research areas or the results of exploratory spatial data analysis.

### Estimate the total hours requested

Please provide an estimate of how many hours will be needed to complete the tasks and produce the deliverables. Up to 10 hours are available from the Social Science Research Institute (SSRI). The Population Research Institute (PRI) also provides up to 5 additional hours for PRI-affiliated researchers. You may need to consult with the CSA Core in developing your estimate, or you can provide details about the spatial analysis component of the project to justify your estimate of hours.

### Provide a timeline and describe plans for external funding

Provide a timeline for completing the pilot project and when the GIA’s work will ultimately be used for an external grant submission. Specify potential funding source(s) and/or requests for applications. PIs of all funded pilot projects are expected to provide a one-page final report upon completion of the pilot project; we also will request annual reports to learn whether the pilot has resulted in an externally funded project down the road. These reports allow us to monitor the efficacy of our pilot hours program.

### Attach an NSF or NIH biosketch for the lead investigator and (brief) emails from co-investigators specifying their role in the proposed project.