# Submit Grant Proposal | VR@Illinois

Submitted by:
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1. Name
Robert Pahre

2. Email
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3. Your Status
Faculty

4. Your Department
Political Science

5. Provide a brief summary of the VR/AR project that would be funded by this grant proposal
Indiana Dunes VR Pilot Project: This project will develop a range of VR/AR content on environmental politics, to be filmed in the field at Indiana Dunes National Park, for a course module in an environmental politics class. The core idea is to try different styles, such as a lecture in place, a walking lecture, a VR scene with voiceover, a VR scene with interactive hot spots, and the like, along with assessments of learning outcomes, student engagement, and student satisfaction. A graduate assistant will help develop both content and the evaluation techniques. She will conduct the assessment of outcomes. If CITL believes the tools are ready for regular users, she can also learn some or all of the production tools required for the project.

6. How much funding are you requesting?
Minimum: $3,638; Preferred: $6,591; Preferred, with equipment purchases: $8,091

7. Provide a brief preliminary budget of how the funds would be used
A. CITL staff time, no dollar amount. I know this is a real cost for the campus, but CITL can estimate that better than I can. B. Graduate research assistant for a semester, prefer 33% ($6091.02), but can get by with 17% ($3137.67). The larger amount would suffice for all the goals in question 5, but we can lean on CITL staff for help at the 17% level. C. Travel to Valparaiso, Indiana, three one-day trips. Using a carpool full-size sedan, $0.36/mile. With 300 miles each trip, so $108 miles each, $324 total. With per diems, estimate $500 total. D. Equipment (optional). Since this is intended as the pilot for several future projects, CITL may believe it more cost-effective for me to have my own "mobile VR studio." I've discussed these needs with Kostas and Bianca at CITL, and the cost would be about $1500. However, I'm happy to rely on loans from CITL and ATLAS instead.

8. Describe the anticipated outcomes of your project.

A. The immediate outcome is a learning module for PS 225 Environmental Politics. This would be equal to one or two weeks of class time. B. Our second outcome would be to learn from the pilot project, to share with the UIUC community, and to provide a basis for follow-up projects. C. (Possible.) One future project might be new VR content for PS 224 Politics of Yellowstone (online). I have outlined some such projects, which a team could film in a week of field time. D. (Possible.) The original module might become part of a future online course on Environmental Politics in the Midwest, a companion to PS 224 that would help lay foundations for an environmental politics certificate.

9. What is the proposed timeline for your VR project?
Content development in first half of Spring 2020, with VR filming in about March/April. We will prepare something for pilot testing with PS 224 Yellowstone (field trip version) in early May 2020. After that feedback, CITL staff coding and editing over the summer, to be ready for PS 225 by Fall 2020 or Spring 2021.

10. Additional information
no answer provided