

IM & BI in Example Research Topic

Ecology Topic: Geospatial Data with Native Americans

Intellectual Merit

- Collecting geospatial data advances knowledge
- Long term, large scale ecological research



Broader Impacts through the research itself

- National infrastructure to analyze data over decades
- Addresses economic, environmental and social issues



Broader Impacts through research activities

- Build tribal capacity to address challenges



Broader Impacts through complementary activities

- Student research; mentoring; public presentations

IM & BI in Example Research Topic

Electrical Engineering Topic: Infrared sensor development

Intellectual Merit

- Perfecting this technology will advance knowledge.
- Discovery is then transferred across disciplines.



Broader Impacts through the research itself

- Scientific, medical, energy and defense applications



Broader Impacts through research activities

- Collaborative lab work with government researchers



Broader Impacts through complementary activities

- Efforts to increase public's scientific literacy
(e.g., teach diabetics how technology can monitor blood glucose levels)