

### TOOL TYPE & AVAILABILITY

A quantification and monetization tool available online.

### SPONSORING ORGANIZATION & DEVELOPERS

Developed at Harvard University's [Zofnass Program for Sustainable Infrastructure](#) under the direction of Professor Andreas Georgoulas

### WEBSITE & CONTACT INFORMATION

The tool is available at <http://economictool.zofnass.org/>; for additional information contact Professor Andreas Georgoulas, at [ageorgou@gsd.harvard.edu](mailto:ageorgou@gsd.harvard.edu)

### TARGET USERS

Current target audience is the general public, including infrastructure stakeholders and interested parties.

Future updates to the tool may be designed for specific professional services required by project planners in the engineering and sustainable infrastructure sector.

### RELEASE YEAR & UPDATES

The tool was released in 2014, and is currently working in V2.0.

### COST

No cost.

## Zofnass Economic Process Tool

### PURPOSE AND OBJECTIVE

- The Zofnass Economic Process Tool is designed to educate, inform, and assist in quantifying and monetizing the external impacts of infrastructure and to promote the implementation of sustainable infrastructure alternatives.
- The Natural World category is particularly well aligned to encourage natural infrastructure alternatives; impacts relating to use of natural resources and climate change are addressed in the Resource Allocation and Climate and Risk categories; and social and health impacts are addressed in the Quality of Life category.

### SOFTWARE AND DATA INPUT REQUIRED

- The tool operates in the user's web browser.
- Data input includes project metrics and contextual information related to approximately 30 individual credits (or evaluation criteria) that fall within the categories of the Envision™ Rating System.

### INFORMATION GENERATED

- The Zofnass Economic Process Tool provides a preliminary valuation of sustainability externalities on the infrastructure project of interest, as well as explanation of the importance and nature of such externalities. It also provides links to studies and sources for further review.

### EXPERTISE & TIME INVESTMENT REQUIRED

- No expertise is required to operate the tool. However, knowledge of economics and social/environmental impact valuation methods would help with interpreting the results. Review of the Envision™ Rating System guidance manual and/or certification in the Envision Rating System may be valuable.
- The amount of time invested would depend on the scale of the project and level of detail and accuracy of output desired, but the tool is designed for a fast and smooth user experience.

### EXAMPLES OF COMPANY USERS

- In its current version, the Zofnass Economic Process Tool is intended for education, for academic research, and for general use by the public. Even though it provides an initial monetization of key project externalities, the tool is not intended to be used for professional services or consulting.
- It can serve as an instructional tool for evaluation of the impacts of natural infrastructure alternatives on projects.