



Project Title: *elementsdb*: Engaging students with the environmental dimensions of urban design via the web

Project Summary (150 words maximum)

Learning from years 1 and 2, this project makes significant changes to modes of learning, content, and levels of user engagement for a web-based database (*elementsdb*). Year 3 engages a group of research assistants to: add a community of interest module; redesign the learning tutorials; help design protocols for students to create cases; and add building energy content to the database. We are sustaining our seven core partner courses and add one new course- a building systems course in Architecture who will test and evaluate the new case creation methods and the energy modules. We are improving integration of *elementsdb* in core course curricula to expand students' knowledge base about the metrics of urban sustainability and engage students in critical consideration of the complex factors of urban sustainability. This project will directly complement existing curricula of approximately 190 students/year in SALA and SCARP this year and into the future.