

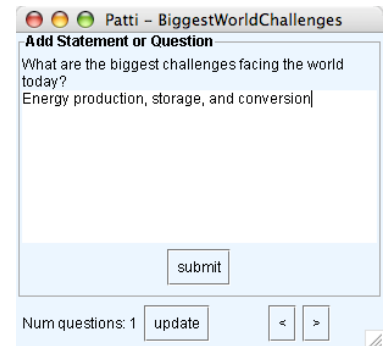
TUPLE SPACES Project – Question Posing Activity

Students explore topics by posing, ranking, and grouping related questions or statements

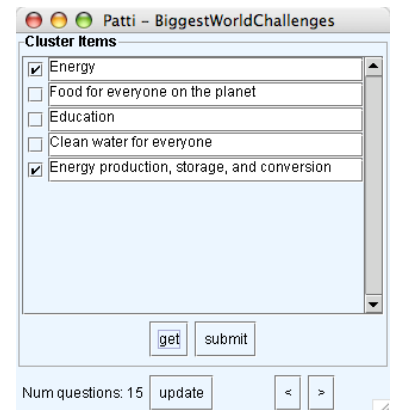
Question Posing

The question-posing tool is a twist on the conventional response system. In the conventional response system, the teacher asks a question and all students answer it. Using our tool, students determine what questions are important, either for the purposes of examining a new topic or for composing a set of review questions. The tool allows students to submit new questions to the question space, browse and rank other's submitted questions, and cluster related questions. Submit is a simple write operation, and browse is a read of a tuple that fits the "question" template. Rank involves taking a question tuple and writing a new version of the tuple with the applied rank as part of its data. Clustering here involves the writing of "cluster" tuples that describe a relationship between one or more questions. Students can perform any of the tasks in any order they wish, and to whatever depth required. Thus, students more adept or interested in posing questions are free to do so as much as they wish, and students more interested in sorting and evaluating questions may do so, all without explicit central coordination. The result is a ranked set of important questions, with related items gathered in clusters.

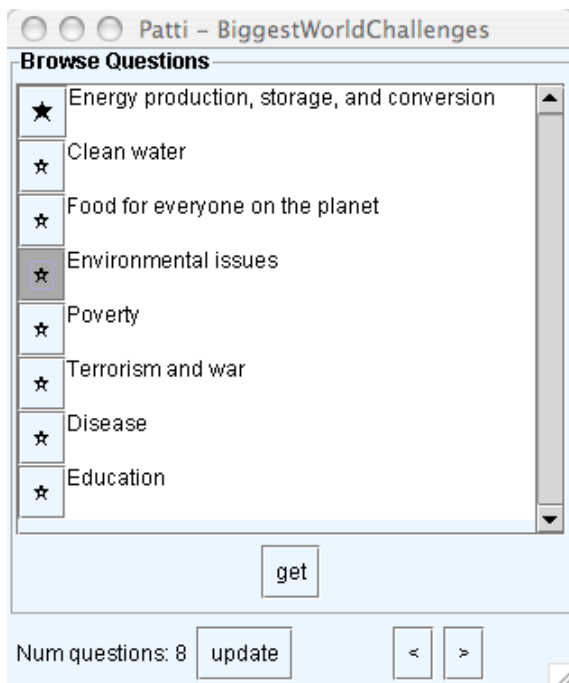
Tuples: BoomActivityTuple, BoomTuple, EquivBoomTuple, FavBoomTuple



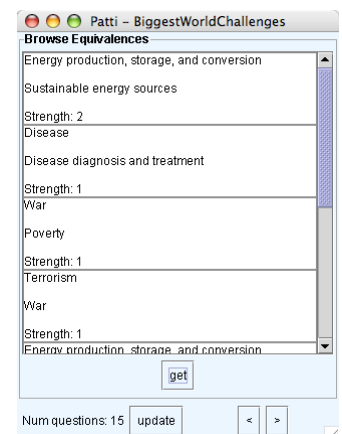
Submitting a statement to the shared space.



Clustering ideas by marking those that appear equivalent.



Browsing ideas on the biggest challenges facing the world and marking "favorites."



Viewing clustered, popular statements.