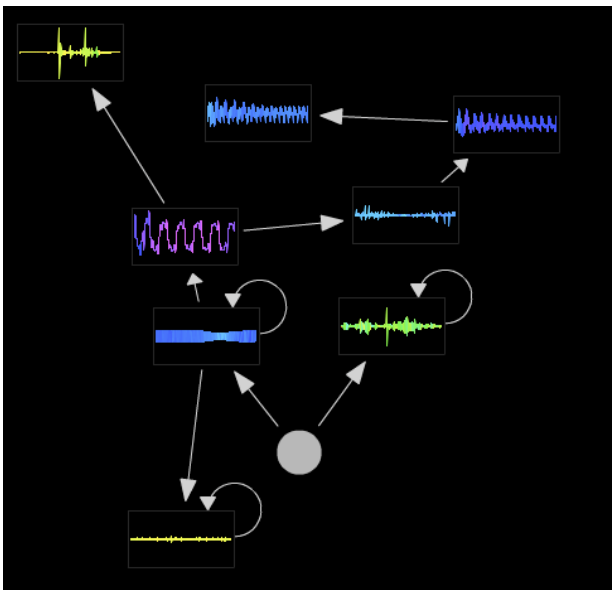




Music creation can be understood as a social process. Interactive Evolutionary Computation (IEC) allows continuous support for collective creativity in networked environments.

Evolving music from a collaborative database of sounds [1]:



sample patch represents musical ideas as combinations of sounds from the database

genetic operators allow human and computational agents to evolve sample patches

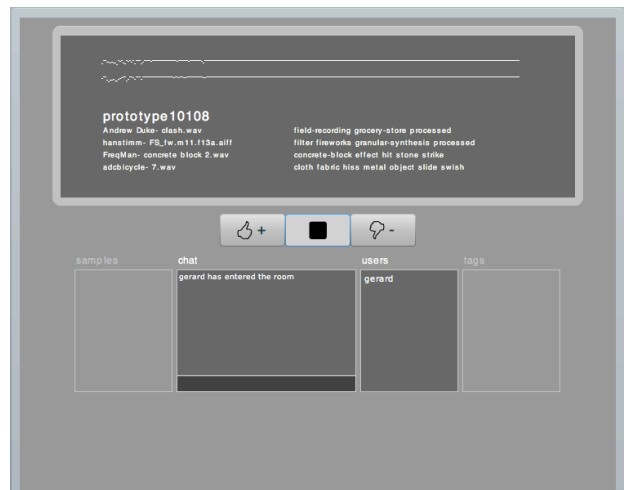
mutation: a sample is replaced by a similar (or random) sample

crossover: a patch is created from other patches

fitness function is replaced by collective rating

preferences are expressed as sample and tag bookmarks to influence sound generation

music emerges from collective exploration of the database (active listening)



[1] <http://freesound.iua.upf.edu>