Synthetic Biology as a discipline is witnessing the emergence of numerous repositories of biological "Parts". Organizations hosting such services include the International Genetically Engineered Machine Competition (iGEM) (partsregistry.org), the Joint Genome Institute (JBEI) (publicregistry.jbei.org), the Joint Genome Institute (JGI) (jgi.doe.gov), the Synthetic Biology Engineering Research Center (SynBERC) (registry.synberc.org), and Cambridge University (plantlab.org).

As a result, a "web of registries" concept has emerged which would allow locally curated registries to be "linked" so that information exchange is facilitated more easily and standards are established. Moreover this would send a strong message to the community that interacting registries based around similar technologies represent not only a means to quickly deploying registries but more importantly a step in the unification of the space.

We present our deployment of a repository based on the Inventory of Composable Elements (ICE) architecture here at the Boston University Center of Synthetic Biology (CoSBi ICE). CoSBi ICE will serve as the outward facing parts repository for the core faculty of CoSBI (Jim Collins, Douglas Dennisore, Ahmad Khalil, and Wilson Wong) as well as many of the numerous affiliated faculty members in bioinformatics, physics, and molecular cell biology and biochemistry. It will be used by over 50 undergraduates, graduates, and postdoctoral researchers and in projects funded by the National Science Foundation (NSF), Office of Naval Research (ONR), and the Defense Advanced Research Projects Agency (DARPA).

Members of the Web of Registries, including CoSBi ICE, are built upon technology that allows for easy, reliable information exchange.