**Introduction**

Data management has a great importance for most of the companies to maintain their business. Since technology is developing and companies are growing every day, it creates a demand to manage a huge amount of data. Managing huge amount of data is still an on-going research field and engineers are working on this field to provide secure and reliable systems with faster response time to people. One of the methods to store the data is data distribution which distributes the data on different servers to manage the data. Data encryption and data replication can be used together with data distribution to ensure the secure management of distributed data and the reliability of the system.

Our project, CrypDist, aims for maximizing the performance of the delivery of data and providing fast access for the users. The main purpose of our project is providing genotype and phenotype data to the researchers to enable them to conduct advanced research by analyzing and updating the data. We use blockchain to ensure safety and reliability of continuously growing data.