The ability by which the different applications can talk and cooperate with each other is known as interoperability.

The need for interoperability is strong for municipality and government applications.

Web services have recently emerged as the solution to the interoperability problem.

In our ongoing work, we have designed and implemented a number of Web Services for the Trabzon Municipality in Turkey.

A highlighting example of the implemented services is the getParcelZoningPlan service, which generates a Zoning Plan Form (ZPF).
Web services implementation

![Diagram of web services implementation](image)

Response of `getParcelZoningPlan` Web service

![Response diagram](image)

Electronic (e-) government has been proposed as a solution to the problems of traditional governments, such as declining revenues, high costs, poor quality of services, and corruption.
Both NSDI and e-government need an interoperability infrastructure.

Web services can be used to implement both NSDI and e-government interoperability infrastructures.