## Turkish meteor surveillance systems and network: Impact craters and meteorites database

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In our project, we aim toward constructing Turkish Meteor Surveillance Systems and Network in Turkey. For this goal, video observational systems from SonotaCo (Japan) were chosen. Meteors are going to be observed with the specific cameras, their orbits will be calculated by the software from SonotaCo, and the places where they will be falling / impacting will be examined by field trips. The collected meteorites will be investigated by IR-Raman Spectroscopic techniques and SEM-EDX analyses in order to setup a database. On the other hand, according to our Prime Ministry Ottoman Archives, there are huge amounts of reports of falls for the past centuries. In order to treat these data properly, it is obvious that processing systems should be constructed and developed.



**Figure:** Turkish Meteor Surveillance Systems and Network: Impact Craters and Meteorites Database **Acknowledgements:** This project was supported by TUBİTAK (Code:MFAG/113F035) for 3 years.