



Figure 2: Tracking Network of Russia for Space Debris monitoring

The monitoring and categorisation of objects in GEO is regularly carried out by ESA, which draws on the data of the US' SSN and Russia's network in addition to its own tracking data.

International Scientific Observation Facilities Network (ISON) is a network of optical (Astronomical) telescopes coordinated by Keldysh Institute of Applied Mathematics of the Russian Academy of Sciences for tracking and monitoring space debris. The network locations are shown in Figure 3.⁴ The ESA uses the data from this network, along with its main data source from SSN, in the categorisation of GEO objects.



Figure 3: International Scientific Observation Facilities Network (ISON)

Europe has a few high capability radars and optical telescopes, which are used for tracking and monitoring space debris. A few simultaneous tracking campaigns are carried out to track objects in LEO, and to compare