



Project acronym: BLACK

Project title: Black Carbon in snow and water

Project leader: Outi Meinander, Finnish Meteorological Institute, Finland

Discipline: Earth Sciences & Environment: Global change & Climate observation

Station(s): Sudurnes Science and Learning Center (Iceland), Faroe Islands Nature Investigation (FINI) (Faroe Islands), Cairngorms (Scotland, UK)

The project will focus on studying Black Carbon in snow and ice, and in the natural water and drinking water of the stations visited. It also studies atmosphere-cryosphere interactions and the processes related to the effects of aerosol particles long-range transported and deposited. All the sample types of snow, natural water and drinking water were successfully collected in Iceland, Faroes and UK, representing the winter season. One field trip in Iceland will also represent the case of spring, after snow melt season, to study if the particles can be found in larger amounts in natural water, i.e. if the melting snow released them in higher quantities to be detected in spring.