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**Welcome to the ArtEmis Newsletter!**

In this newsletter, you'll have the chance to stay informed on ArtEmis activities, studies and correspondent results, as well as learn more about the project. Additionally, we may also share content related to scientific areas that are relevant to the project.

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[ArtEmis' Website](#)

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## ***Newsletter #1***

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**Message from ArtEmis Project Coordinator - Prof. Ayşe Nyberg**

Dear reader,

Welcome to our first ArtEmis newsletter, which provides basic information on our project and the recent status.

Artemis, is a Horizon-Euratom project funded by the European Commission which brings together 14 partners from 9 countries. It started on 1st October 2022 with the aim of addressing one of the most damaging natural hazards on earth: earthquakes. The ultimate goal is to improve radon based earthquake forecasting methods. The artEmis project will develop a smart and cheap sensor system with about 100 units monitoring radon, temperature, acidity and other observables in ground water in real time. The data from the sensor system will be combined with seismic and geological data and analysed via

prone areas in Greece and Italy, and in Switzerland.

During the first phase of the project, we have intensified our work on the sensor development and the production of the first prototype detectors. We are approaching the end of this phase now and planning to start our test measurements during or just after the summer months. In parallel to this, we were also busy selecting the measurement sites, like suitable wells, springs and caves where we can access the ground water. Each site has its own properties and detailed information is needed for example regarding the activity level and the availability of mobile networks in the area. Mapping and documentation of suitable measurement sites will continue during the coming months.

The members of artEmis have embarked on a challenging journey laying down the foundations for communication, data management and sensor development in a dedicated working spirit and successful cross disciplinary communication. There is an exciting time coming ahead of us with intensified work and we will be glad to keep you informed along our path.

Interested scientists and the public can join our community of 'friends of artEmis' to which we will distribute this newsletter as well. You can also follow our project on our homepage <http://artemisproject.eu>. A science background paper of artEmis is published on our webpage.

**Prof. Ayşe Ataç Nyberg, KTH**

**ArtEmis Project Coordinator**

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## ArtEmis conferences 2023

Prof. Eleftheria Papadimitriou, Prof. Karakostas Vasileios and Crhistos Kourouklas (AUTH) will represent the ArtEmis consortium on the 28th General Assembly of the International Union of Geodesy and Geophysics taking place between the 11th and the 20th of July of 2023 in Berlin; and on the 8<sup>th</sup> International Colloquium on Historical Earthquakes, Palaeo- Macroseismology and Seismotectonics, taking place between the 17th and the 20th of September 2023 in Lixouri, Kelafonia Islands. These conferences will be an excellent introduction moment and showcase of ArtEmis and the progress of our work. We strongly encourage partners to participate, as these conferences provide an ideal platform to network and actively engage in meaningful discussions with other participants and fellow consortium members.

If you do not wish to receive the ArtEmis newsletter please email [bmoutinho@iese.edu](mailto:bmoutinho@iese.edu)



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