



*MISS stands for « Maquette Immense du Système Solaire », the french equivalent for “Immense Solar System Model”. Arrée is the name of the ancient mountain range in western Brittany you are presently in.*

*The scale of the MISS is one for one billion (1:10<sup>9</sup>). At this scale, one millimeter in the model represents one thousand kilometers in the real solar system.*

*MISS Arrée uses the same scale for the diameters of the components (the size of the sun and the planets) and the diameters of the orbits of the planets (their distance from the sun). This is quite unique since it's definitely not the case for most of the solar system models you can find in books or on posters : planets are much too far and much too small to be both large enough to be visible and near enough to be seen together with the sun, whatever scale you choose.*

*When strolling in the MISS you will get a tangible and intuitive feeling of what is far and what is near and of what is big and small. The very simple scale used will also enable you to easily remember the orders of magnitude in the solar system : just add the word “billion” between your size or distance estimate in the model and the unit you use (hopefully, this works as well with miles and inches than with metric units). You may also add nine zeros to get the same result.*

*Incidentally, your walk inside the MISS will also be an artistic experience since each planet has been handmade by local artists, like painters or potters. You may even be surprised by the display of some of the planets provided by their hosts.*

*In addition to solar systems objects, the MISS installation will give you an insight of key physical issues like the law of gravitation (we have a copy of Isaac Newton's original apple) or the speed of light (and the effect of applying the MISS scale on it!).*

*To begin your visit, you may look for the sun on the top of a nearby tree (in case you've missed it!).*

*You can prepare your walk in the MISS by copying (photographing) the maps and the geodesical coordinates provided on the various displays (in French).*

*You may also find valuable help and various hiking maps at the tourism office or on the Internet :*

*<http://www.astrosurf.com/ArreeAstronomie>*

*<https://www.facebook.com/ArreeAstronomieBrasparts/>*

*MISS Arrée will be happy to answer your questions, collect your feedback and organise group visits by email at [missarree.brasparts@gmail.com](mailto:missarree.brasparts@gmail.com)*

*The quote on the billboard (in French) is from Bernard de Fontenelle, a French writer and scientist from the Enlightenment 18th century. It states that curiosity and bad eyes are the two main drivers of philosophy. Curiosity and the awareness of the limits of sensorial perception are also the reasons behind the MISS project.*