

## A New Geosite and Geomorphosite assessment

**Narmine Assabar**  
University in Fes, Morocco

For better conservation and rational management of a geosite, an adjusted assessment is a necessary step for the analysis and comparison of geosites. It must be based on chosen criteria allowing the selection of objects requiring protection, determination of the nature as well as the range of protection and recovery measures.

This is why we explain in this work, three methods of evaluation of geosites, the most basic of which is that of V. Grandgirard where he developed, as a first step, theoretical reflections based on the judgment of factors representing the value scientific geosite as well as indicators that it considers secondary. This method has been improved, in a second step, by adding some modifications allowing competent people to express their opinion as to the value of a geotope.

The second evaluation method, developed by E. Reynard, is also concerned with the scientific value of geosites to which it adds additional values such as ecological, cultural, aesthetic and economic values.

Whatever the method used, the final results obtained are illustrated according to the purpose of the evaluation by syntheses, tables or diagrams.

The application of these methods allowed us to illustrate them in order to facilitate their comprehension and also to allow to conclude by criticisms or the establishment of in-depth comparisons of the results obtained.

In this work, we develop a new scientific method for evaluating geosites based on the old methods above, this method will be very useful for geologists, geomorphologists and biologists; and which will include geological, geomorphological, biological, cultural, touristic and aesthetic values.

**Keywords:** Geosite assessment, scientific value, geological value, cultural value, tourism value, biological value, aesthetic value.

### Biography:

Narmine Assabar is currently a second year PhD Student. She obtained her bachelor's degree in 2011 and university degree in mineral and environmental engineering and continued studies in environmental geology degree and later admitted to master's degree in natural heritage and development durable.