

**Abstract:**

To create a good scientific reconstruction is important artistic skills and knowledge of history painting of prehistoric animals, and also knowlages in the anatomy, zoology, palaeontology, palaeoecology and also biomechanics. Reconstruction It stands on the borderline between art and science. Our view on the fossil marine Amniotes change over time with advancing skeletal findings, and also changed a scientific reconstruction. Although the actual outputs, such as reconstruction and in particular 3D models can explain a number of new or unexplained informations about this group. A reconstruction expert can not only beautify their actions, but also enthance scientific knowledge, or even to outline a new direction for further research.

**Keywords:**

Scientific reconstruction, fossil marine amniotes, adaptation, anatomy, evolution, palaeoecology, biomechanice, 3D models, trends.