



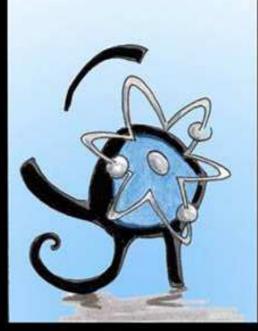
WE'LL STUDY OTHER CRITERIAS RESULTING OF ITS ANTIQUITY! IF THEY ARE NOT SUBJECT TO DATING, THEY ARE STILL SUBJECT TO THE EFFECT OF TIME: THE WEATHERING OF THE MATERIAL!...



WE WILL STUDY THE SURFACE IN ORDER TO LOOK FOR ALTERATIONS LINK TO EXPOSURE TO NATURAL AND LONG TERM WEATHERING...

WHICH ANALYTICAL TECHNIQUE DO WE USE FOR THAT PURPOSE ?

> MICROANALYSIS! IT ALLOWS US TO PERFORM MICROSCOPICAL OBSERVATIONS TOGETHER WITH A CHEMICAL CHARACTERIZATION!



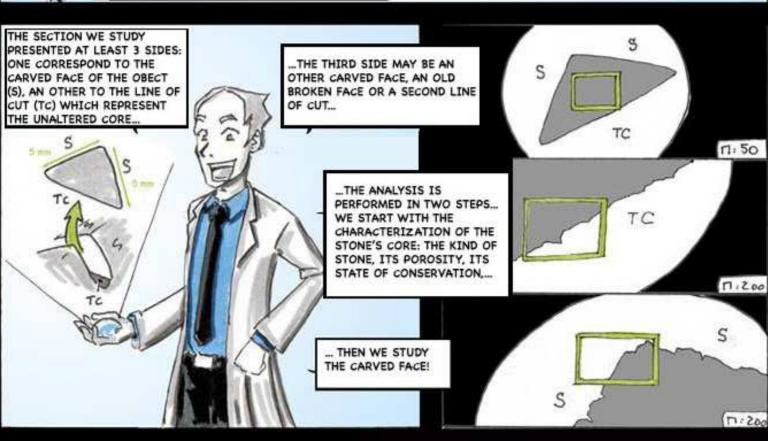


FROM THESE INFORMATIONS, WE CAN IDENTIFY THE MATERIALS, ANALYZE THE ALTERATIONS AND VALIDATE THEIR COMPATIBILITY WITH THE SUPPOSED ANTIQUITY OF THE OBJECT'S CARVING



THIS TECHNIQUE IS APPLIED ON OBJECTS MADE OF GLASS, STONE AND METALS,...

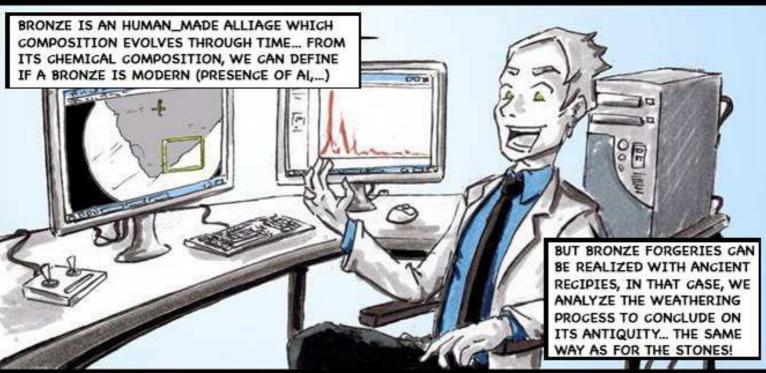






HOWEVER, THESE TRICKS DON'T FOOL EXPERIMENTED SCIENTIFICS!





TO RESUME, THE SCIENTIFIC ANALYSIS OF STONE AND BRONZE OBJECTS IS BASED ON THE IDENTIFICATION OF THE MATERIAL AND THE STUDY OF THE WEATHERING PROCESS, NOT TO PERFORM A DATATION, BUT TO CONFIRM A COMPATIBILTY WITH THE ANTIQUITY,

... HOWEVER SOMETIMES,
INTERPRETATIONS OF THE RESULS
MIGHT BE DISCUSSED: A WEATHERING
PROCESS CAN BE NATURAL, BUT NOT
DEVELOPPED ENOUGH ACCORDING TO
THE PRESUMED ANTIQUITY OF THE
OBJECT, IT COULD BE A MORE RECENT
OBJECT, OR AN ANCIENT ONE WHICH
WAS POLISHED,...

MOREOVER, THE WEATHERING IS ALSO FONCTION OF THE CONSERVATION CONDITIONS, TWO OBJECTS SIMILAR AND MADE AT THE SAME TIME BUT EXPOSED TO DIFFERENT ENVIRONMENTS WILL NOT DEVELOPP THE SAME WEATHERING PROCESSES... THAT'S WHY, THESE STUDIES HAVE TO BE LED WITH GREAT CARE AND NEEDS EXPERIENCE AND KNOWLEDGE

