

HISTORICAL FANS. TECHNIQUES, STRUCTURE AND PROBLEMS

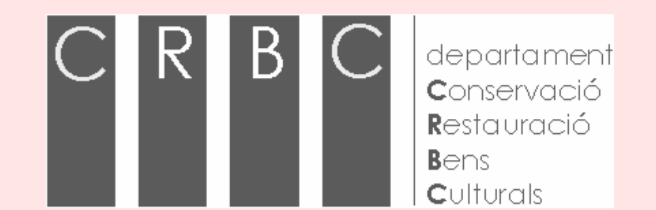
Doctoral Program in Science and Restoration of Historic and Artistic Heritage

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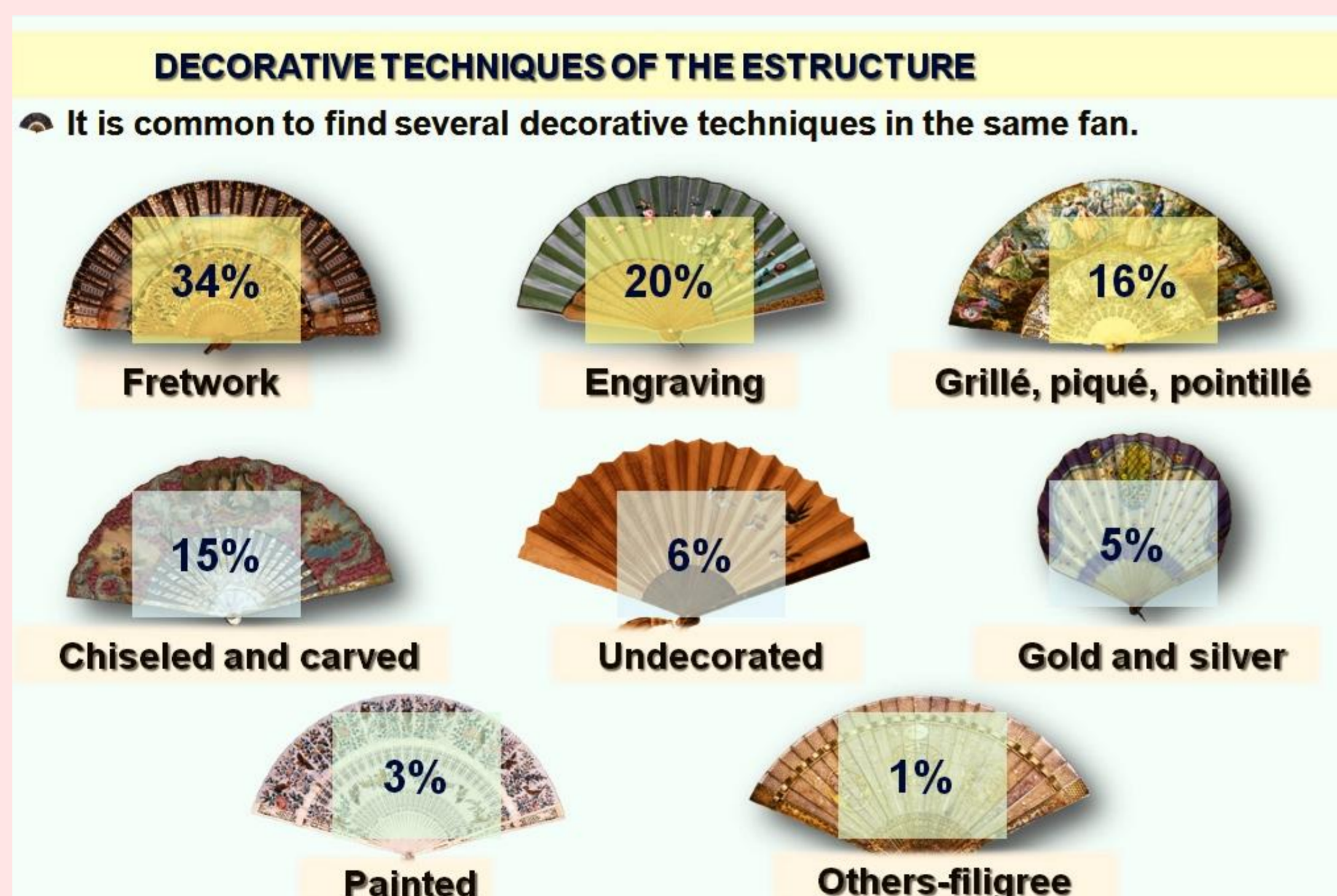
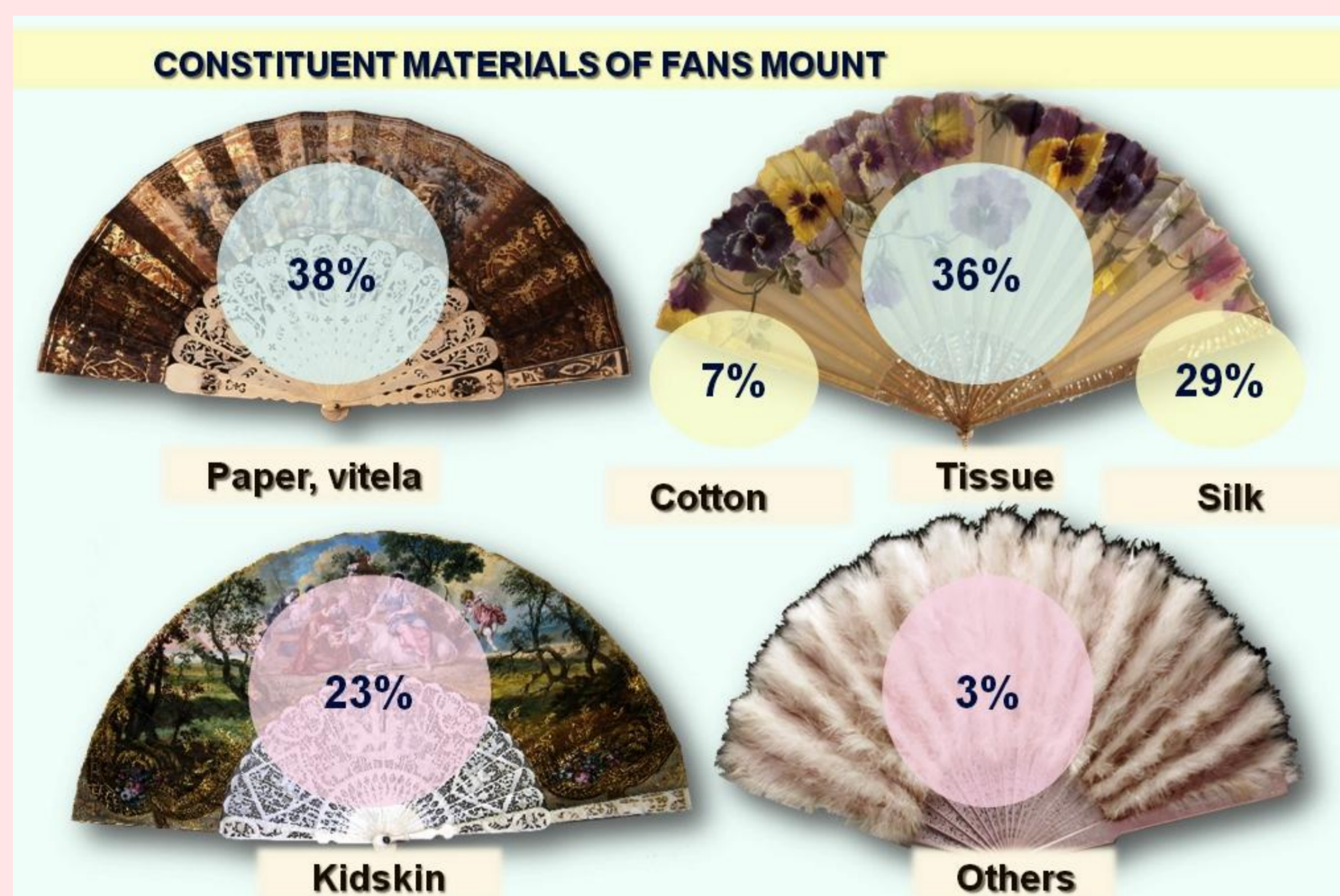
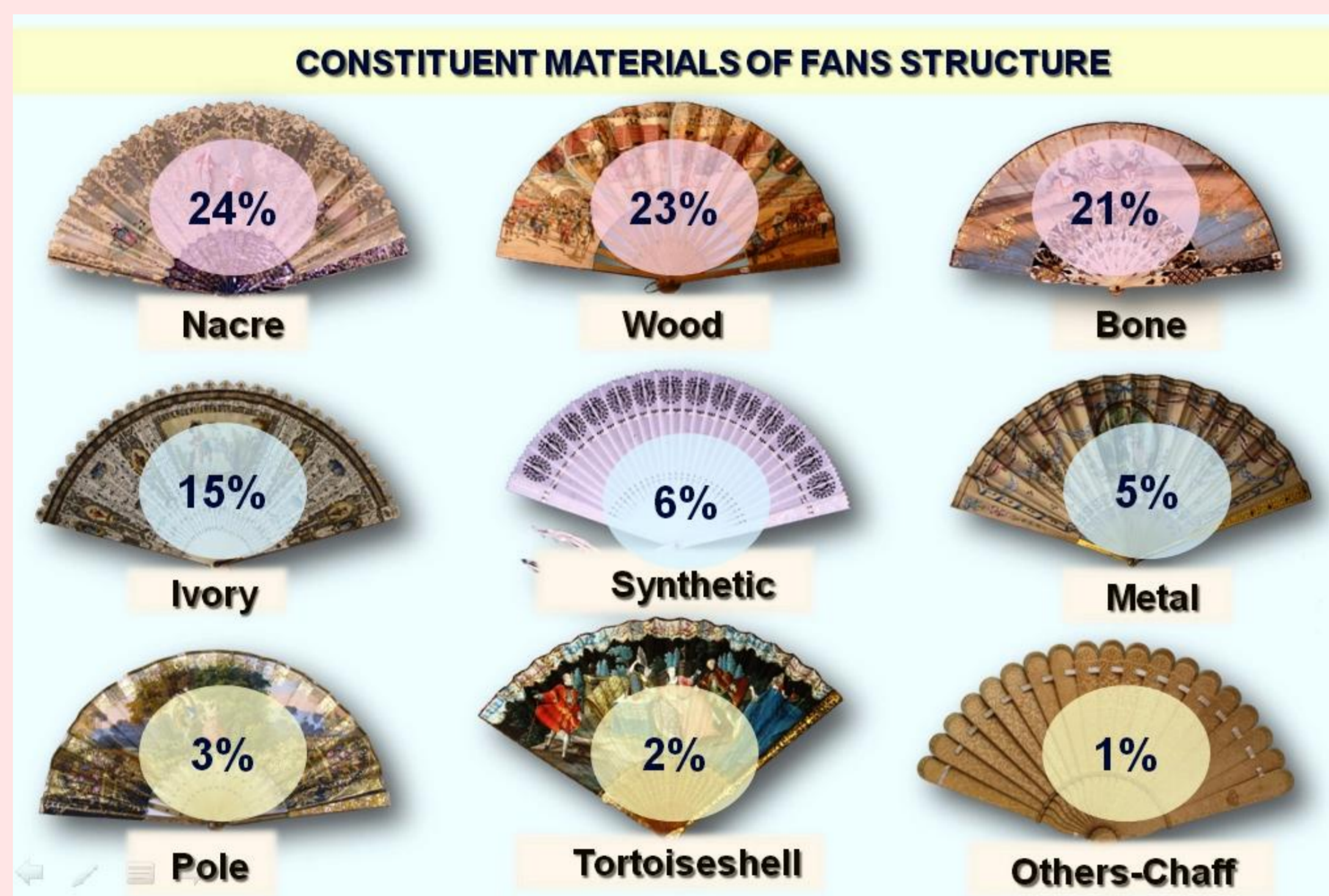
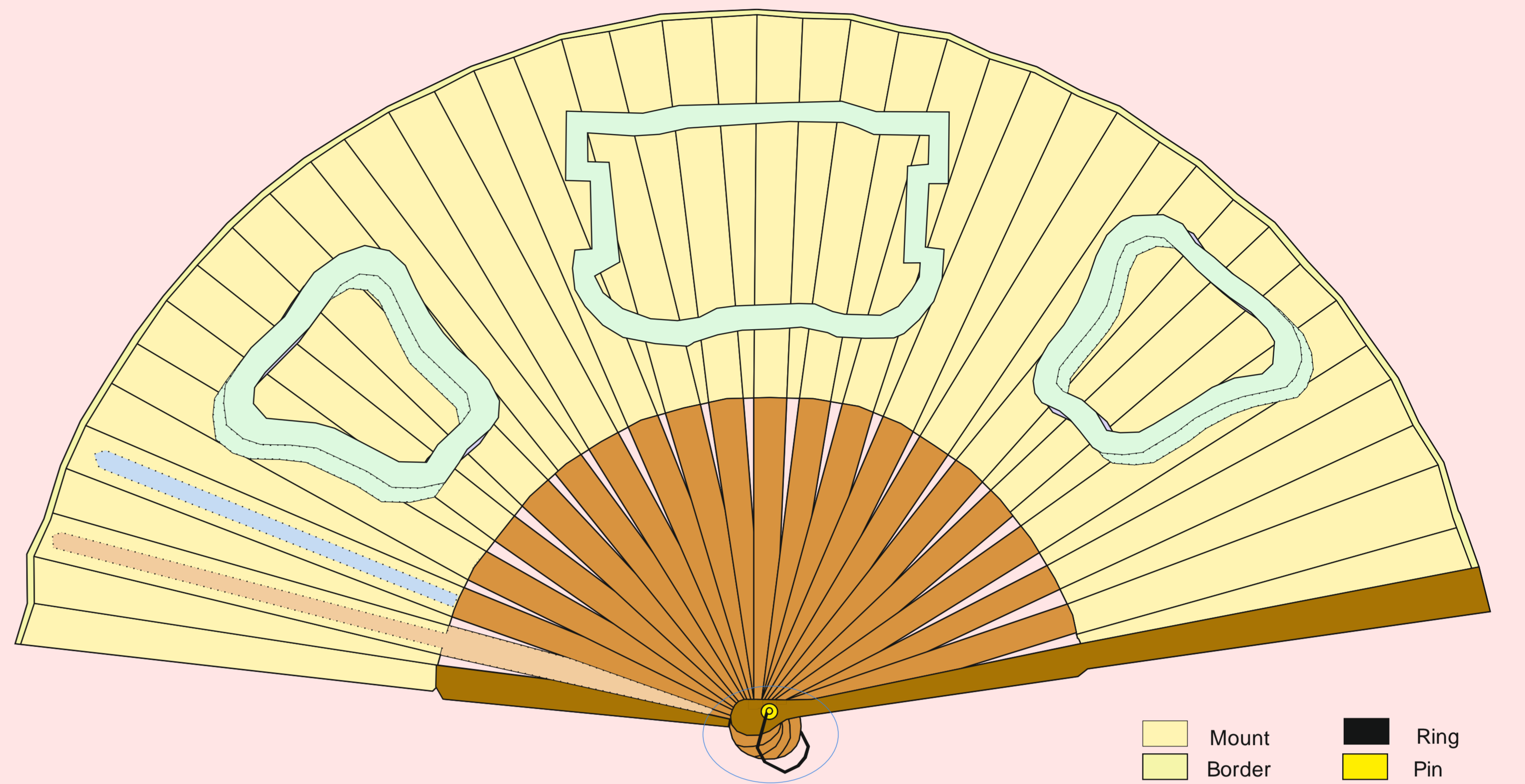
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INTRODUCTION

Each fan is a historical testimony of an era, by their morphology, their style and their production techniques and materials. Its conservation is of great importance. For understanding the internal structure and the inherent problems, procedures and manufacturing materials must be studied. The materials used have had mostly a natural organic origin. Synthetic materials can be found from nineteenth century with the Industrial Revolution.

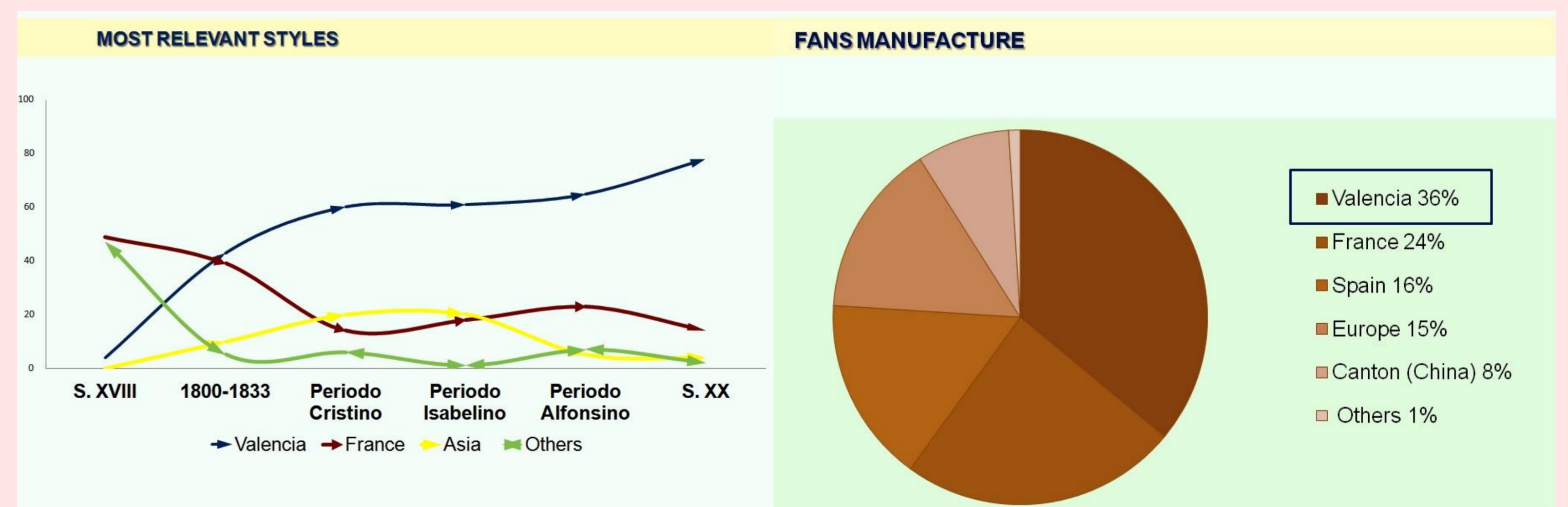


OBJECTIVES

- Contribute on further research regarding fans restoration.
- Create Spanish Collections Taxonomy of constitutive materials.
- Investigate the adhesives in the consolidation process.
- Emphasize the importance of the historical Valencian Fan Industry.
- Evaluate the presence of Valencian fans in Spanish Collections.
- Make a survey on the manufacturing processes in Valencia

MAIN STAGES OF RESEARCH DEVELOPMENT

- Study of morphology and manufacturing process of fans.
- Spanish Collections Taxonomy regarding materials and conservation.
- Research on adhesives in consolidation phase on textile mount fans.



MATERIALS AND METHODS

In order to make the Spanish Collections Taxonomy, the database of Ceres network of MEC was analyzed. The conservation condition of our collections was also evaluated.

RESULTS

The study of Spanish collections, has been useful to characterize and evaluate the different types, materials, and to analyze the condition of our collections. Nacre and wood are the most used materials in the structure. In the mount, fabric and paper. The most widely painting technique used is gouache. This information is essential to face its conservation. It is also of great importance for further research on adhesion based on the constitutive materials.