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PATRIMÓNIO <u>IIIIII</u> GHENT UNIVERSI REPÚBLICA PORTUGUESA IN2PAST CULTURAL

Insights on the second phase of the multidisciplinary study of the Viceroys portrait gallery at Goa, India



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PROJECT OLD GOA REVELATIONS 2019-2023

"Old Goa Revelations" is an international collaborative project dedicated to the research and interpretation of a shared heritage collection associated to the Portuguese Presence in India - the Vice-Roys portrait gallery. Our team was the first to have permission to conduct this study since the integration of Goa in the Indian Union (1961).

In the upper halls of the Archaeological Survey of India (ASI) Museum in Old Goa, one can find the portraits of all who administrated the territories of Estado da Índia, and commissioned their depictions before leaving their post. During the 400 years span of this gallery (1547-1961) several interventions took place, leaving up to 3 full overpaints over the original compositions of the 16th and 17th centuries.



Since 2019, the creation of a collaborative project [1,2] between the custodian and the Portuguese research units enabled a comprehensive and multidisciplinary scientific study of the collection on wooden pannels, supported by a mobile campaign, encompassing imaging techniques such as photography (visible and raking light), Infrared Reflectography (IRR) and X-ray Radiography (XRR), complemented with non-destructive analytical approaches such as XRF spectrometry (point analysis), a Mobile macro-XRF mapping and mobile Raman spectrometry.

A first mission, in 2019, allowed the in-situ analysis of a set of sixteen portraits. More recently, during the follow-up of 2023, it was possible to complement previous data and introduce new results by combining 2D XRF mapping (CRONO system) with micro-Raman analysis. Imaging techniques allowed to select representative areas for chemical analysis and the first results of the analysis conducted in 30 portraits are being revealed at this international conference.

The aims of this multidisciplinary research are the identification, characterization and contextualization of the existing layers, to assist to the interpretation of the collection, as well as to support decision-making towards long term preservation. Moreover, another important goal is the organization of a new exhibition narrative, where the public will have visual access to the information in each of these layers, allowing a different experience of the collection and the possibility for new lines of research.

The researchers from Archaeological Survey of India interact with our team in the interpretation of results from the 2019 campaign and the joint effort to prepare the upcoming exhibition with the updated results from 2023.

Towards a new interpretation and exhibition of results: 2 case-studies

By correlating the results from surface examination and elemental analysis with reproductions from the collection, we realised that each technique provided specific data which helped identify the features and period of each overlapped layer.

Portrait of Vice-Roy Fernão Telles de Menezes, c. 1581 (inv. 58), ASI Museum, Velha Goa.

Credits: LJF-DGPC; HERCULES, 2019-2023; British Library. Courtesy: ASI

a) Standard light photography b) Infrared reflectography

a

José Deloerme Colaco (1840)

Complementarity between Ranking Light, IRR, RX and 2D XRF mapping allowed the detection of iconographic and decorative elements hidden by the repaints (documented from 1825-39 and 1894) and the chemical elements associated to the paint layers used. Since elemental analysis reports to the different overlapped layers, different contributions on chemical elements should be take into account, nevertheless, the size of the maps provided by 2D-Macro XRF allows a new dynamics for comparing different portraits and the formulation of new questions and new steps to take. These scientific results and its co-relation with the coloured reproductions found in archival resources allows a newinterpretation on the different interventions and the original composition which will now be known to the public.

The international team conducts the integrated study of the portrait collection in ASI Museum, Velha Goa. Technical and scientific data was collected by direct observation and the support of the mobile unit encompassing equipment for imaging and analytical techniques, as well as other instruments for the assessment of conservation conditions.

References:

[1] Reis, T., Pereira, F., Candeias, A., Valadas, S., Machado, A., Caldeira, A., Piorro, L., e Reis, M. (2021) Old Goa Revelations: A Collaborative project on the shared heritage between India and Portugal. In Bridgland, J. (ed) (2021) Transcending boundaries: Integrated approaches to conservation. ICOM-CC 19th triennial Conference preprints, Beijing, 17-21 May. ICOM

[2] Reis, T. (2023) A Galeria de retratos dos Vice-reis e Governadores do Estado da Índia. Percurso para a sua reinterpretação e salvaguarda. PhD theses in Sciences for Arts and Heritage. University of Lisbon, Faculty of Fine-Arts.

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Credits: Ian de Noronha/David Reis; HERCULES, 2023; British Library, Biblioteca Nacional. Courtesy: ASI