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From standard pots to potters' standards

An integrated approach to ceramic standardization and change in Archaic Satricum (6th–4th century BC)

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Summary

From standard pots to potters' standards. An integrated approach to ceramic standardization and change in Archaic Satricum (6th–4th century BC).

This research endeavor illuminates the intricate tapestry woven by the interplay between artisanal practice, finished products, their degree of standardization and the perception of thereof amid artisans, consumers and – lastly - archaeologists. At the core of this analysis lies the Latial settlement of Satricum and its pottery manufacture systems between the 6th and the 4th centuries BC, a crucial period in the history of Central Italy that witnessed intense – a time dramatic – political, economic, and social transformations. This study set out to evaluate how such transformations can be read through the ceramic record and what analytical framework is best suited to examine artifacts' standardization and variation. Understanding patterns of continuity and change in ceramic vessels can unveil not just the technical and stylistic choices of potters but also serve as a prism untangling the intricate dynamics that shaped Satrican life during this transformative period. As the chapters unfold, delving into the theoretical framework, the archaeological context, the ceramic evidence, the analytical methods and the data gathered, a more comprehensive picture emerges of craft communities active at Satricum in the Archaic period, shedding light on the processes underlying technological innovation, artisanal tradition and consumers' response as expressed through the materiality of the rich archaeological evidence unearthed at Satricum.

In this work, the key issues involving the concepts of ceramic standardization and variation are addressed in order to explore their impact on our interpretation of the whole cycle of pottery making, from manufacture to utilization and exchange. More specifically, particular attention is paid to assessing the methodological framework in which these concepts should be interpreted and analyzed. Indeed, one of the goals of the present study is to clarify the potential of integrating typo-morphological and contextual inquiries with materials science's analyses when assessing different degrees of variability within ceramic assemblages. In a broader perspective, the ultimate goal is to demonstrate that the application of this integrated approach may further elucidate the complexity of human choices as expressed through the materiality of ceramic objects.

The examination revolves around four main analytical stages: statistical analysis, macroscopic fabric characterization, petrographic analysis, geological fieldwork. The ceramic assemblage has been selected from domestic contexts located both on the acropolis and the lower sector of the ancient city of Satricum and includes mainly household ware (impasto and coarse wares), large storage containers (dolia) and rooftiles.

The vast ceramic evidence uncovered in the site of Satricum over decades of systematic investigation, provides an exemplary testing ground. Firstly, to evaluate the significance, potential and applicability

of such an approach to pottery studies, setting at the same time the chronological and geographical framework of this research. Secondly, focusing the analysis on the degree of standardization of such a ceramic assemblage, it allowed to shed light on not only the dynamics underlying pottery production, distribution and consumption systems at Satricum but also and more broadly the vast cultural and economic transition that took place during the 6th and 4th centuries BC in Central Italy.

Samenvatting

Van standaard potten tot pottenbakkersstandaarden. Een geïntegreerde kijk op de standaardisatie en verandering van aardewerk in Archaisch Satricum (6^{de} – 4^{de} eeuw v.Chr.)

Dit onderzoek belicht het complexe samenspel dat is ontstaan door de wisselwerking tussen de praktijk van het pottenbakkersambacht en daaruit voortvloeiende producten, de mate van standaardisatie in de lijn van productie, en de perceptie hierop door ambachtslieden, consumenten en, ten slotte, archeologen. Centraal in deze analyse staat de Latijnse nederzetting Satricum — het tegenwoordige Le Ferriere, ca. 60 km ten zuiden van Rome — met de nadruk op diens aardewerkproductie in deze stad in de late archaische periode (tussen de zesde en vierde eeuw voor Christus). Deze middelgrote stad van ca. 40 ha, was strategisch gelegen op de uitlopers van de Albaanse Heuvels en aan de rand van de Pontijnse Moerassen, op een kruispunt van wegen en een rivier, en beroemd voor haar tempels op de acropolis. De archaische tijd was een cruciale periode in de geschiedenis van Midden-Italië, getuige de intense — en soms dramatische — politieke, economische en sociale transformaties. Het doel van deze studie is om vast te stellen hoe dergelijke transformaties kunnen worden afgelezen aan de hand van aardewerk en welk analytisch kader het meest geschikt is om de standaardisatie en variatie van artefacten te onderzoeken. Inzicht in patronen van continuïteit en verandering in aardewerk kan niet alleen de technische en stilistische keuzes van pottenbakkers onthullen, maar kan ook dienen als een prisma om de ingewikkelde dynamiek te ontrafelen die het leven in Satricum tijdens deze transformerende periode vormgaf. De hoofdstukken zullen achtereenvolgend dieper ingaan op het theoretische kader, de archeologische context, de dataset met aardewerk, de analytische methoden en de verzamelde gegevens, waarna een uitgebreid beeld ontstaat van de ambachtelijke gemeenschappen die in Satricum actief waren. Samen vormt dit een geïntegreerde onderzoeksstrategie, die licht werpt op de processen die ten grondslag liggen aan technologische innovatie, ambachtelijke traditie en de reactie hierop van consumenten, zoals die tot uitdrukking komt in de materialiteit van het rijke archeologische bestand dat in Satricum is opgegraven.

In dit werk worden de belangrijkste kwesties met betrekking tot de concepten van standaardisatie en variatie in aardewerk behandeld om hun invloed op onze interpretatie van de hele cyclus van het maken van aardewerk te onderzoeken: van het vervaardigen tot gebruik en de verspreiding ervan. In het bijzonder wordt aandacht besteed aan het toetsen van het methodologische kader waarbinnen deze concepten zouden moeten worden geïnterpreteerd en geanalyseerd. Een belangrijk doel van deze studie is namelijk om het potentieel te belichten van de integratie van typomorfolologische en contextuele onderzoeksmethoden in samenhang met materiaal-wetenschappelijke analyse. Op deze manier is het beter mogelijk om verschillende gradaties van variabiliteit binnen aardewerkassemblages vast te stellen en te interpreteren. Het uiteindelijke doel is om aan te tonen dat de toepassing van deze geïntegreerde

benadering het begrip kan vergroten van de complexiteit van menselijke keuzes en de wijze waarop deze tot uitdrukking komen in de materialiteit van aardewerken objecten.

Het onderzoek richt zich op vier belangrijke analytische stadia: statistische analyse, macroscopische analyse van materiaalsamenstelling, petrografische analyse, en geologisch veldwerk. Het aardewerkassemblage is geselecteerd uit huishoudelijke contexten op zowel de acropolis als in het lager gelegen deel van de antieke stad. De assemblage omvat voornamelijk huisraad (*impasto* en grof aardewerk), grote voorraadpotten (*dolia*) en dakpannen.

Het enorme bestand aan vondsten die decennia van systematisch onderzoek in Satricum heeft opgeleverd, vormt een unieke onderzoeksmogelijkheid. In de eerste plaats om de betekenis, het potentieel en de toepasbaarheid van een dergelijke benadering van aardewerkonderzoek te beoordelen, waarbij tevens het chronologische en geografische kader van dit onderzoek wordt vormgegeven. En in de tweede plaats kan — door de analyse te richten op de mate van standaardisatie van een dergelijke aardewerkassemblage —, niet alleen licht worden geworpen op de dynamiek die ten grondslag ligt aan de productie, distributie en consumptiesystemen van aardewerk in Satricum, maar ook in de bredere context van de significante culturele en economische transitie die plaatsvond in de zesde tot vierde eeuw voor Christus in Midden-Italië.