

THE “AEGEAN SETTLEMENT PATTERN” IN COASTAL WESTERN ANATOLIA FROM THE NEOLITHIC AGE TO THE END OF THE 3RD MILLENNIUM BC

NEOLİTİK ÇAĞ'DAN MÖ 3. BİNYIL'IN SONUNA KADAR BATI ANADOLU SAHİL KESİMİNDE “EGE YERLEŞİM MODELİ”

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ABSTRACT

Extending over a wide geographical area Anatolia has a rich architectural diversity. The Western Anatolia Region is divided into two sub-regions as Coastal Western Anatolia and Inland Western Anatolia. Even though similar building techniques and similar materials were used in both sub-regions, the settlement patterns differ from each other distinctively. Especially in the 3rd Millennium BC, while buildings opening to the streets were seen in the Western Anatolian coastline, Eastern Aegean Islands, the Sporades Islands, Mainland Greece, The Cyclades Islands and Crete Island, buildings leaning on the defense system in Inner West Anatolia open to the courtyard located in the center of the settlement. When Considered the commercial and cultural relations between the regions in the 3rd Millennium BC, it is seen that a cultural an architectural idea was culturally formed in the area surrounded by the Aegean Sea. This architectural planning system plays an important role in understanding the social structures, organizational forms, hierarchical structures of the societies and the interrelations with the neighboring cultural regions.

Keywords: Early Bronze Age, Western Anatolia, Aegean, Aegean Settlement Pattern, Anatolian Settlement Plan.

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ÖZET

Geniş bir coğrafyaya sahip olan Anadolu, birbirinden farklı oldukça zengin bir mimari çeşitliliğe sahiptir. Anadolu'nun Batı Anadolu olarak adlandırılan bölgesi kendi içerisinde Batı Anadolu sahil kesimi ve İç Batı Anadolu olmak üzere iki bölgeye ayrılmaktadır. Bu iki bölgede birbirine benzer malzeme ve inşaat teknikleri kullanılmış olsa da yerleşim modellerinde belirgin bir farklılık görülmektedir. Özellikle MÖ 3. Binyıl'da Batı Anadolu sahil kesimi, Doğu Ege Adaları, Sporad Adaları, Kıta Yunanistan, Kiklad Adaları ve Girit Adası'nda sokaklara açılan yapılar görülürken, İç Batı Anadolu'da savunma sistemine yaslandırılan yapılar yerleşimin merkezinde bulunan avluya açılmaktadır. MÖ 3. Binyıl'da bölgeler arası ticari ve kültürel ilişkiler düşünüldüğünde, Ege Denizi'nin çevrelediği alanda kültürel bir mimari fikrin oluştuğu görülmektedir. Bu mimari planlama sistemi, toplumların sosyal yapısını, örgütleniş biçimini, hiyerarşik yapısını ve çevre kültür bölgeleriyle olan ilişkilerinin anlaşılmasında önemli rol oynamaktadır.

Anahtar Kelimeler: Erken Tunç Çağı, Batı Anadolu, Ege, Ege Yerleşim Modeli, Anadolu Yerleşim Planı.

INTRODUCTION - A GENERAL OVERVIEW ON THE ANATOLIAN SETTLEMENT PATTERN

Settlement patterns and architecture play an important part in exhibiting the social structure, organizational form, hierarchical structure of a society and its connections with other centers in the region as well as displaying its relations with the neighboring cultural regions. The locations of the settlements provide detailed information on the economic structures of the centers, as well.

settlement patterns starting from the Neolithic Age to the beginning of the 3rd millennium BC are examined, no distinct settlement pattern or cultural borders are noted (Fig.1, 2).

Western Anatolia is divided into two sub-regions as Coastal Western Anatolia and Inland Western Anatolia. The building and settlement patterns seen in both sub-regions show that a particular architectural development process has been undergone. Encircled by defense systems and divided by streets and alleys, long houses were built adjacently forming blocks/insulae in Coastal Western Anatolia and in the Eastern

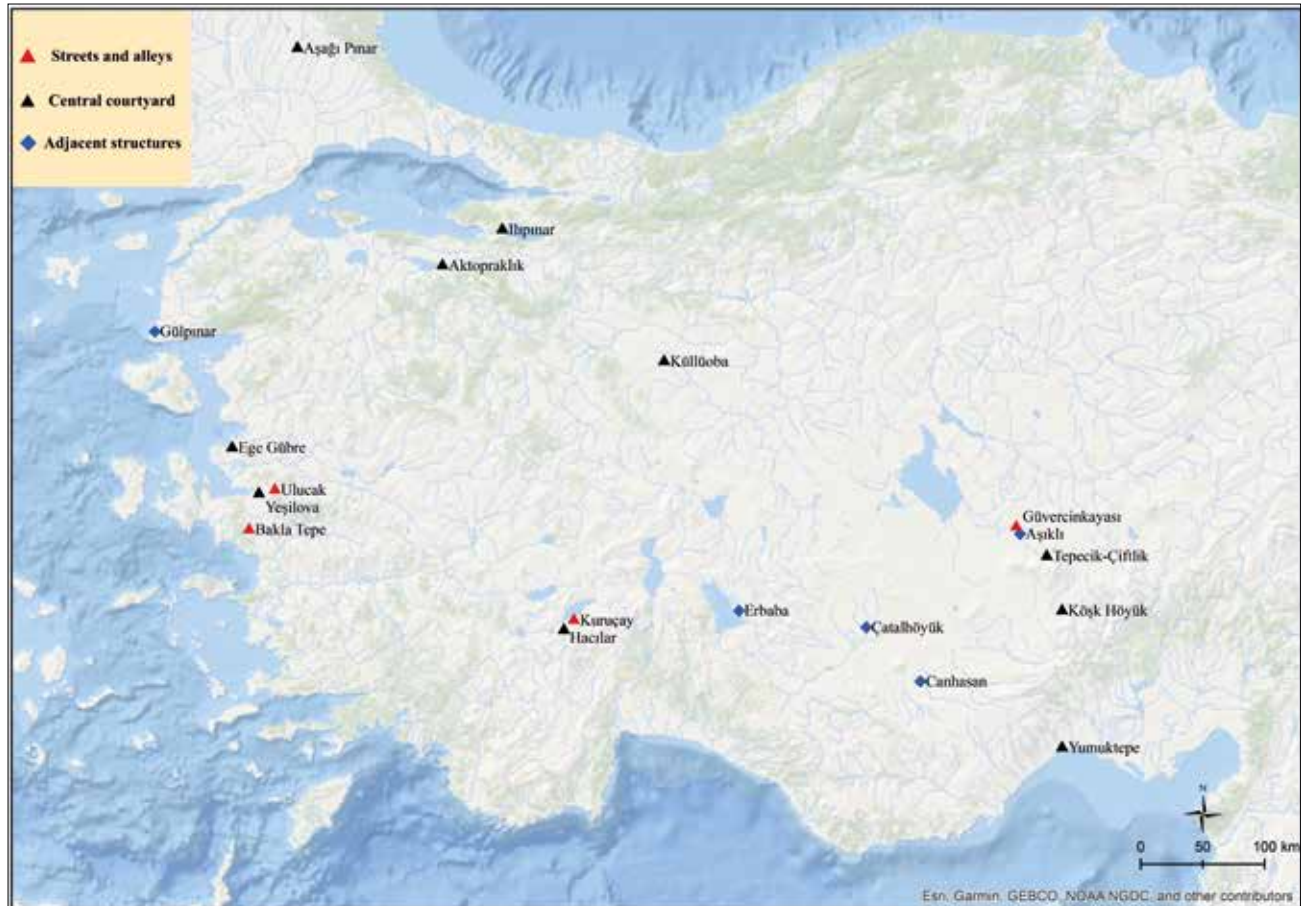


Figure 1: Settlement models in Central and Western Anatolia in the Neolithic and Chalcolithic Age / *Neolitik ve Kalkolitik Çağ'da Batı ve Orta Anadolu yerleşim modelleri*

Extending over a wide geographical area Anatolia has been home to numerous cultures. The climate and the geographical variation of Anatolia has contributed to the emergence and development of many different cultures. Depending on the climate, topography and the building materials of the region inhabited, these cultures have made up buildings, defense systems and settlement patterns unique to them. This rich cultural diversity has paved the way for the development of different structures and settlement patterns in the societies that lived in the same historical period. For this reason, when the Anatolian

Aegean Islands by the beginning of the 3rd millennium BC. The entrances of the structures built as blocks open onto streets or alleys connected to these main streets. In terms of form, this type of settlement plan composed of streets and alleys is generally discussed in three different systems as radio-centric, linear or rectangular¹.

In Inland Western Anatolia, there is a different settlement pattern. The buildings resting on the defense system open onto a central courtyard. This settlement layout known as

¹ Alram-Stern 2004: 261-63; Hüryılmaz 2017; Kouka 2016.

the “Anatolian Settlement Plan” could be discussed as three different types: radial, elliptic and rectangular. The concept, the “Anatolian Settlement Plan”, commonly used among settlement patterns was first expressed by Korfmann. As a result of the data that Korfmann obtained from the Demircihüyük excavations, he used the term, the “Anatolian Settlement Plan” based on the Demircihüyük architectural plan². The presence of similar settlement patterns extending from layers IIA and IIB of Hacılar to Mersin Yumuktepe, Ahlatlıbel and Pulur-Sakyol has provided a basis for the use of this term by Korfmann³. Fidan has reconsidered Korfmann’s concept of the “Anatolian Settlement Plan”, and noted that the term corresponds to the settlement planning of only Inland Western Anatolian settlements⁴.

THE WESTERN ANATOLIAN SETTLEMENT PATTERNS

Many of the settlements in Western Anatolia, favorable for inhabitation since the prehistoric ages, in terms of suitable climate and environmental conditions, were mostly established on the plains covered with rich alluvial soil. The fact that these fertile plains have significant agricultural potential is the most important factor for the occupation of the region by humankind. In Coastal Western Anatolia, traces of earliest human activity identified has been attributed to the Lower Paleolithic Age⁵. Permanent settlements were founded starting from the Neolithic Age. Remains of earliest settlements have been encountered in the centers, Ulucak, and Çukuriçi, in

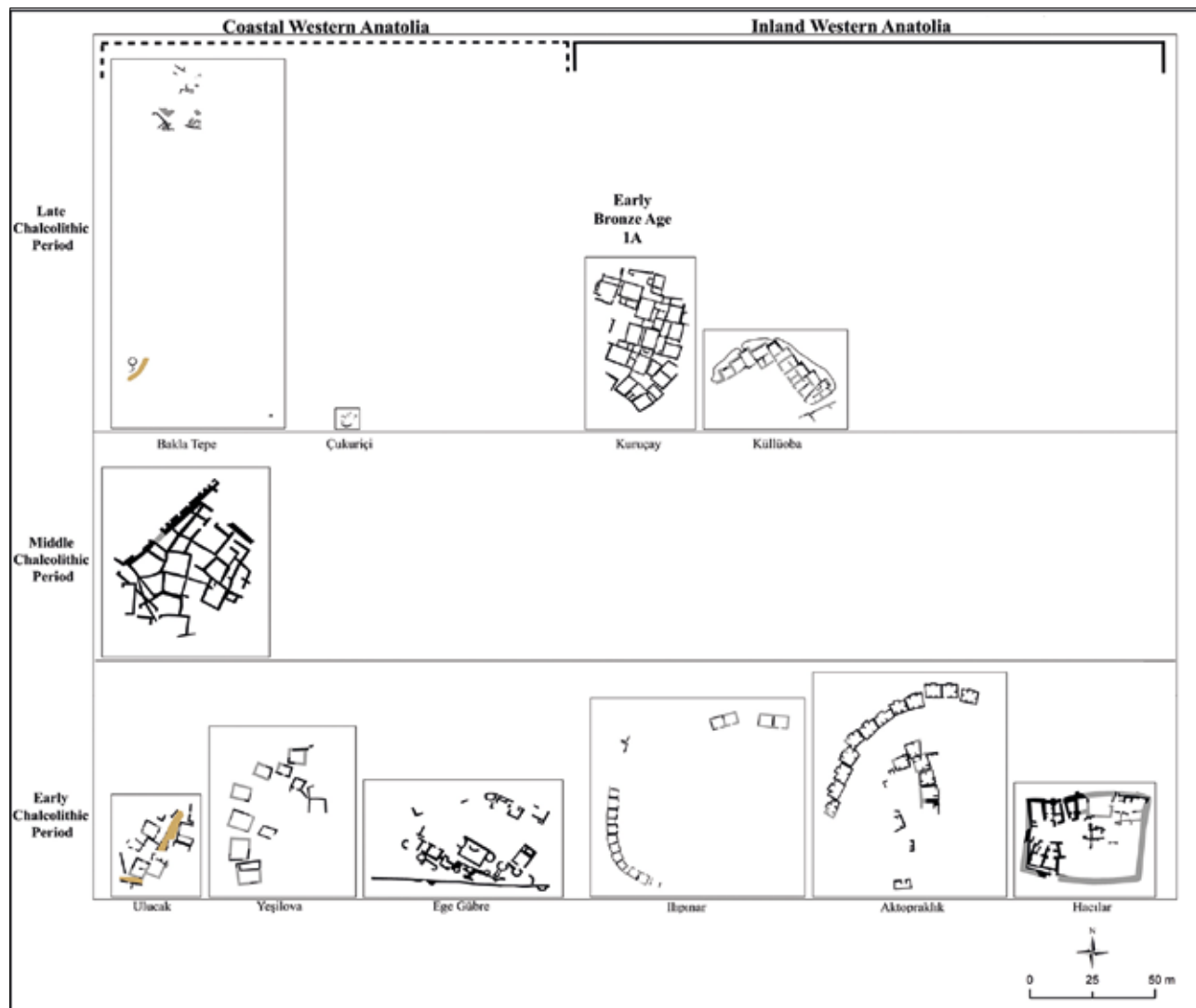


Figure 2: Chalcolithic Age settlements patterns in Coastal and Inland Western Anatolia (Derin 2005, fig. 3; Derin 2020, fig. 3; Duru 1996, pl. 32, 34; Duru 2016, resim 95; Fidan 2012, resim 7; Karul 2017, fig. 112a; Mellaart 1970, fig. 21, 26; Özdoğan 2013, fig. 100, 103; Roodenberg 2003, fig. 1; Sağlamlı and Ozan 2012, fig. 1; Schwall 2018, abb. 34, 39; Takaoğlu and Özdemir 2013, res. 2) / *Batı Anadolu sahil kesimi ve İç Batı Anadolu'da Kalkolitik Çağ yerleşim modelleri*

² Korfmann 1983: 222.

³ Korfmann 1983: 222-225.

⁴ Fidan 2013.

⁵ Çilingiroğlu/Dinçer/Uhri/Gürbıyık/Baykara/Çakırlar 2016.

Coastal Western Anatolia. Ulucak Va and Vb phases can be evaluated within the Neolithic Age. While the houses were built adjacent to each other in the Ulucak Va, the buildings in the Vb were built independently from each other⁶.

In Central Anatolia and the Lakes District, there is a quite a different settlement plan in the Neolithic Age.



Figure 3: Grill and apsidal planned houses of Bakla Tepe (Photo by Prof. Dr. Hayat Erkanal, Archive of IRERP) / *Bakla Tepe, izgara ve apsidal planlı yapılar*



Figure 4: The stone-paved street of Bakla Tepe (Photo by Prof. Dr. Hayat Erkanal, Archive of IRERP) / *Bakla Tepe'nin taş döşeli caddesi*

The single-room buildings in Bademağacı are scattered and do not have a specific layout⁷. In Aşıklı, groups of structures built adjacently form neighborhoods. In between some of these neighborhoods, there are streets 1 m in width⁸. While structures that rest on one another are seen in Erbaba⁹ and Çatalhöyük¹⁰, groups of structures

built similarly by leaning each against another open onto two square-shaped courtyards via passageways or streets in Can Hasan III¹¹.

Early Chalcolithic period in Western Anatolia¹², a street and structures built in the technique of mudbrick superstructure on stone foundation opening onto the street appear for the first time starting from layer IV of Ulucak¹³. However, a different settlement pattern is observed in Ege Gübre¹⁴ and Yeşilova¹⁵, located in the vicinity of Ulucak. In Ege Gübre, buildings are located in a central courtyard surrounded by a perimeter wall¹⁶, one-room structures lined side by side surround a central courtyard in Yeşilova¹⁷ (Fig. 2).

In the Early Chalcolithic period, lined-up buildings whose outer sides constitute a part of the defense system in Aşağı Pınar¹⁸ in Thrace Region, in Ilıpınar¹⁹ and Aktopraklık²⁰ in Marmara Region – Inland Western Anatolia open onto a central courtyard. In Central Anatolia and Lake District buildings open onto a courtyard located in the center like Tepecik-Çiftlik III²¹ and Hacılar IIa and IIb²².

Regarding the Middle Chalcolithic period, no distinct settlement plan can be spoken of in Coastal Western Anatolia, as only a limited number of sites have been unearthed, of which the architectural remains could not be completely revealed due to the excavations performed in narrow spaces. In Western Anatolia, Gülpınar is the center where a settlement pattern has been completely uncovered attributed to the time period termed the Middle Chalcolithic period. The pattern in the settlement of Gülpınar consists of a structure with a stone-paved floor, located in the center, and structures joining the one in the center, built in the form of a honeycomb. This type of settlement pattern, similar to the settlement layout seen in Central Anatolia from the Neolithic Age, appears for the first time in Coastal Western Anatolia. The existence of a defense system with protrusions on the sides, which was built thicker than the housing walls, demonstrate a closed settlement pattern surrounded by a defense system in Gülpınar²³ (Fig. 2).

¹¹ Düring 2016: Fig. 4.6.

¹² Çevik/Erdoğan 2019.

¹³ Çilingiroğlu/Çevik/Çilingiroğlu 2012: Fig. 3; Derin, 2005: Fig. 3.

¹⁴ Sağlamtimur/Ozan 2012: 230, Fig. 1i

¹⁵ Derin/Caymaz 2014: çiz. 2

¹⁶ Sağlamtimur/Ozan 2012: 230, Fig. 1; Erdoğan/Çevik 2015: 36.

¹⁷ Derin/Caymaz 2014: çiz. 2; Erdoğan/Çevik 2015: 36.

¹⁸ Özdoğan 2013: Fig. 100, 103.

¹⁹ Roodenberg 2003: Fig. 1.

²⁰ Karul 2017: Fig. 112a.

²¹ Bıçakçı/Balcı/Altunbilek-Algül 2009: 207; Bıçakçı, Godon/Çakan 2012, Fig. 3, 6.

²² Düring 2016: Fig. 5.12; Mellaart 1970: Fig. 21, 26.

²³ Takaoğlu/Özdemir 2013: res. 2

⁶ Erdoğan/Çevik 2015: 34-35.

⁷ Duru 2016: resim 95.

⁸ Özbaşaran 2012: Fig. 8-10; 2013: 5.

⁹ Bordaz/Bordaz 1982: pl. XXXIII.

¹⁰ Hodder 2006: Fig. 37.

In Central Anatolia in the Middle Chalcolithic period, there are structures opening onto a central courtyard in layer I of Köşk Höyük²⁴, whereas it could be mentioned that there are buildings divided by streets in Güvercinkayas²⁵.

Insufficient research of the Late Chalcolithic period in Coastal Western Anatolian settlements and the fact that the related cultural layers are reached in narrow areas at the centers excavated have impeded the revealing of the settlement pattern. However, particularly the excavations conducted in wider areas at Bakla Tepe give an idea about the settlement planning system of the region. Grill, apsidal, rectangular, and elliptic structures have been unearthed in the excavations conducted at Bakla Tepe (Fig. 3, 4). These freestanding structures are situated at intervals on a wider area in Bakla Tepe. The traffic and the connection between the buildings are provided by alleys paved with pebbles (Fig. 4). The fact that the settlement spread across a wide area without a defense system demonstrates that the settlement of the period at Bakla Tepe had an open layout²⁶. The existence of grill planned structures at Liman Tepe²⁷ and Çukuriçi²⁸, which are contemporary with Bakla Tepe and located in the vicinity, shows that they may have a similar settlement planning system to that of Bakla Tepe.

In the Late Chalcolithic period- Early Bronze Age 1A for Inland Western Anatolia²⁹- while a settlement layout consisting of buildings that lean against the zigzagging mudbrick fortification wall and open onto a courtyard in the center is seen at Küllüoba³⁰ in Inland Western Anatolia, the settlement plan includes alleys between buildings for passage in phase 6A2 of Kuruçay in the Lakes District. However, these streets were closed with partition walls in phase 6A1³¹.

By the beginning of the 3rd millennium BC, emerging political and social changes seen in Coastal Western Anatolia had led up to the radical changes in the planning system of the settlements. The enclosure of the settlements by defense systems had constricted the areas remaining within the fortification walls, and consequently led to the construction of adjoining houses and the shared-use of the mid-walls for the purpose of fitting more buildings into a narrower space. The traffic and the connection between the structures had continued to be provided by alleys. This settlement layout had become particularly popular in Coastal Western Anatolia and the Eastern Aegean Islands, and was implemented to all of the settlements in the 3rd millennium BC.

Considering Bakla Tepe as an example of the coastal region settlements of Western Anatolia, the settlement pattern of the late architectural phases (BT IV 1 A-B-C) of Bakla Tepe's layer IV consists of long houses and a megaron (House-4) which lie perpendicular or parallel to the defense system. These structures, which extend perpendicular or parallel to the defense system, constitute four building blocks in the east, west, north and south, and the houses in these blocks open onto two streets that run in the north-south direction, and onto shorter alleys connected to these streets (Fig. 5).

During the first half of the 3rd millennium BC, houses located in Coastal Western Anatolia in Troia I³², Beşik-

²⁴ Düring 2016: Fig. 6.11.

²⁵ Gülçur/Fırat 2005: Fig. 1.

²⁶ Erkanal/Özkan 1999; Tuğcu 2019; Şahoğlu/Tuncel 2014.

²⁷ Erkanal/Aykurt/Böyükulusoy/Tuğcu/Tuncel/Şahoğlu 2016: res. 8; Tuncel/Şahoğlu 2018. Liman Tepe excavations is continuing within the course of the Izmir Region Excavations and Research Project (IRERP) under the framework of Ankara University Mustafa V. Koç Research Center for Maritime Archaeology. (ANKÜSAM) and is generously supported by the Ministry of Tourism and Culture, Turkey; Ankara University Scientific Research Fund Project No. 2006 – 0901024, 10Y6055002 and 15A0759003, TÜBİTAK, Project No. 108K263; 114K266, Institute for Aegean Prehistory (INSTAP), Ankara University, Dil ve Tarih Coğrafya Fakültesi; INSTAP-SCEC; İzmir Metropolitan Municipality, Urla Municipality; Çeşme Municipality, Turkish Historical Society (TTK) and Turkish Institute of Nautical Archaeology (TINA). For more information on ANKÜSAM and the IRERP Project see <http://ankusam.ankara.edu.tr>.

²⁸ Schwall 2018: abb. 34, 39.

²⁹ Efe/Türkteki 2011: 189-190.

³⁰ Fidan 2013: 117.

³¹ Duru 1996: pl. 32, 34.

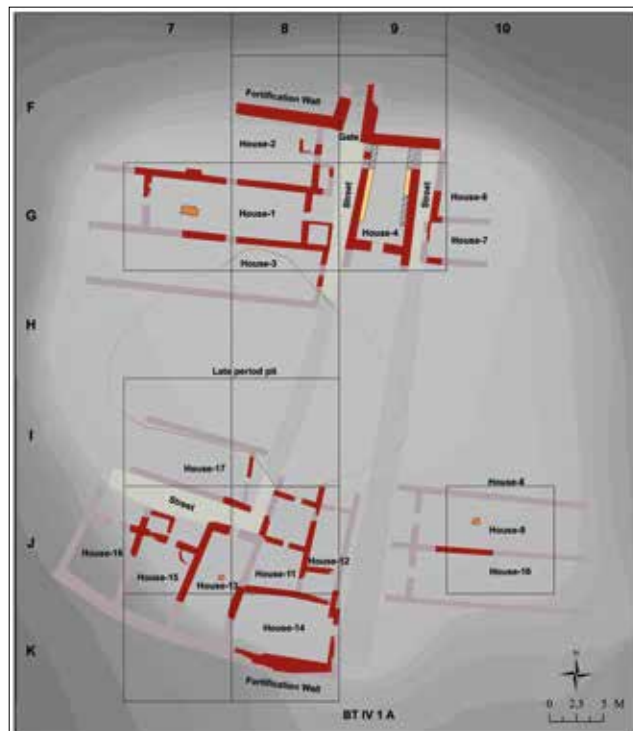


Figure 5: Bakla Tepe phase BT IV 1 A, schematic plan of the settlement / Bakla Tepe'nin BT IV 1 A evresi, yerleşimin şematik planı

³² Ivanova 2013: Fig. 5.



Figure 6: Distribution of “Aegean Settlement Pattern” and “Anatolian Settlement Plan” in the 3rd millennium BC / MÖ 3. Binyıl’da “Ege Yerleşim Modeli” ve “Anadolu Yerleşim Planı”nın Dağılımı

Tepe³³, Yassı-Tepe³⁴, Liman Tepe³⁵, Bakla Tepe³⁶, Çukuriçi³⁷ and on the Eastern Aegean Islands in Poliochni³⁸, Yenibademli Höyük³⁹, Thermi⁴⁰, Emporio⁴¹ and Heraion^{42?} present a similar settlement pattern, by opening onto streets and alleys (Fig. 6,7).

However, in Inland Western Anatolia that was interrelated with Coastal Western Anatolia in the 3rd millennium BC, the settlement pattern which opened onto a central courtyard and was in use since the Early Chalcolithic period had continued to be used⁴³. The houses that lean on the defense system in Demircihüyük⁴⁴, Küllüoba⁴⁵, Keçiçayırı⁴⁶, Büyük Hacılar Höyük⁴⁷, Bademağacı⁴⁸ and Karataş-Semayük⁴⁹ open onto a central courtyard located in the center. In the second quarter of the 3rd millennium

BC, phase V of Karataş-Semayük⁵⁰ differs clearly from those of Inland Western Anatolia in terms of both structures types and settlement patterns (Fig. 6,7).

Significant changes occur in Anatolia by the second half of the 3rd millennium BC. In this period, called the “Anatolian Trade Network”, international trade activities take place within the region extending from Mesopotamia to the Balkans⁵¹. The hierarchical structuring that began in the Early Bronze Age I gain momentum during this period⁵². The most significant characteristic of the period is the presence of public buildings in the settlement. In Coastal Western Anatolia, in layers Troia II-III,⁵³ Liman Tepe V-IV⁵⁴, Çeşme-Bağlararası 3⁵⁵ and on the Eastern Aegean Islands in layers Red and Yellow of Poliochni⁵⁶ and Thermi IV-V⁵⁷ streets and alleys improve and remain in existence. In layer of Troia III, the structures, which were built adjacent to one another, open onto streets and alleys. The street that was in use during the Early Bronze Age I continue to be used with some improvements in layers V and IV of Liman Tepe. In the center of the settlement, there is a public building, and located east of the building is a main street to which alleys are connected. The adjoining long houses seen in the Early Bronze Age I remain present in this period as well and open onto the

³³ Korfmann 1987: 132-33.

³⁴ Derin/Caymaz 2014: çiz. 3.

³⁵ Erkanal/Şahoğlu 2012: 222.

³⁶ Gündoğan/Şahoğlu/Erkanal 2019: Fig. 8-10; Erkanal/Özkan 1999: 25.

³⁷ Horejs/Stefan/Maria 2017: Fig. 5.1.

³⁸ Kouka 2002: plan 3.

³⁹ Hüryılmaz 2013:185, çiz. 4.

⁴⁰ Kouka 2002: plan 5; Lamb/Brock 1933: 148-51.

⁴¹ Hood 1981: 116, Fig. 61.

⁴² Kouka 2013: 576; 2015: 226-27.

⁴³ Fidan 2013.

⁴⁴ Korfmann 1989: Fig. 2.

⁴⁵ Fidan 2013: 117.

⁴⁶ Fidan 2016: Fig. 6.

⁴⁷ Umurtak/Duru 2014: 4.

⁴⁸ Duru/Umurtak 2011: res. 1.

⁴⁹ Mellink/Angel 1973: Fig. 1.

⁵⁰ Warner 1994: pl. 12, 13, 22.

⁵¹ Şahoğlu 2005.

⁵² Gündoğan/Şahoğlu/Erkanal 2019.

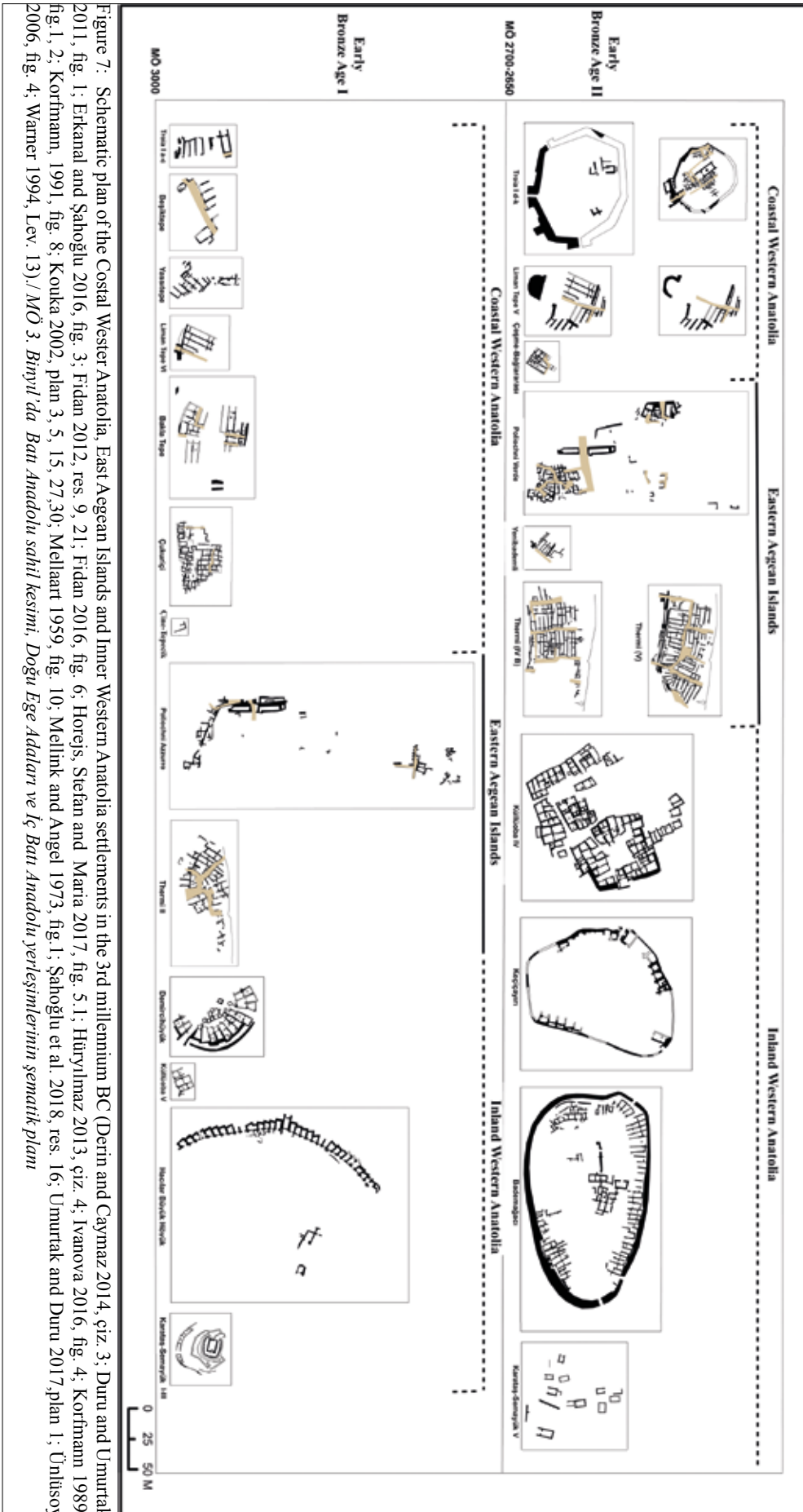
⁵³ Melleart 1959: Fig. 10; Ünlüsoy 2018: Fig. 12.

⁵⁴ Erkanal/Şahoğlu 2016: Fig. 11.

⁵⁵ Şahoğlu/Çayır/Gündoğan/Tuğçu 2018.

⁵⁶ Cultraro 2007: Fig. 7. I; Kouka 2002: plan 8-9.

⁵⁷ Kouka 2002: 27, 30.



main street and the alleys⁵⁸ (Fig. 8). The long houses and the apsidal and trapezoidal structures that span a couple of layers in Çeşme-Bağlararası open onto a street that begins from the seaside and zigzags its way towards the inner parts⁵⁹ (Fig. 9). The settlement pattern, which includes streets and alleys and continues its existence in Coastal Western Anatolia and the Eastern Aegean Islands, is also seen in settlements in Manika⁶⁰, Lithares⁶¹, Askitarío⁶², Raphina⁶³, Petri⁶⁴, Zygouries⁶⁵, Lerna⁶⁶ and Agios Kosmas⁶⁷ in Mainland Greece, in Palamari⁶⁸ on the Sporades, in Agina⁶⁹, Kastri⁷⁰, Kynthos⁷¹, Panormas⁷² and Dhaskalio⁷³ on the Cyclades, and in Trypeti and Vasiliki⁷⁴ on Crete, during the second half of the 3rd millennium BC.



Figure 8: Liman Tepe settlement in the 3rd millennium BC, (Photo by Prof. Dr. Vasif Şahoğlu, Archive of IREPP) / *MÖ 3. Binyıl'da Liman Tepe yerleşimi*

The settlement plan, which has been carried out in accordance with the Anatolian settlement pattern that was in use since the Chalcolithic Age in Inland Western Anatolia continues to exist. The most important centers of this period are Seyitömer and Bademağacı. In

layers V/A-B of Seyitömer, an independent megaron-planned structure is located within a central courtyard and, opening onto this courtyard, there are adjoining structures that have shared mid-walls⁷⁵. However, in Bademağacı, rectangular, single- or double-roomed adjoining structures that lean against the defense system open onto an oval-shaped central courtyard. Inside this courtyard is also a public building built with added-on, adjacent walls⁷⁶. During this period, small rural settlements also remained in existence⁷⁷. The settlement pattern with a central courtyard, which is used in Inland Western Anatolia, is also seen in Central Anatolia. Such structures, which have central courtyards and are surrounded by defense systems, appear in Ahlatlıbel⁷⁸, Koçumbeli⁷⁹, Kültepe⁸⁰ and Resuloğlu⁸¹ in the second half of the 3rd millennium BC.



Figure 9: Çeşme-Bağlararası 3, schematic plan of the settlement / *Çeşme-Bağlararası 3, yerleşimin şematik planı*

⁵⁸ Erkanal/Aykurt/Böyükulusoy/Tuğcu/Tuncel/Şahoğlu 2016: res. 6.

⁵⁹ Şahoğlu/Çayır/Gündoğan/Tuğcu 2018.

⁶⁰ Ivanova 2008: tafel 21.

⁶¹ Tzavella Evjen 1985: Fig. 5.

⁶² Harrison 1995: Fig. 4.

⁶³ Harrison 1995: Fig. 10; Ivanova 2008: tafel 4.

⁶⁴ Kostoula 2004: 1138, tafel 1.b.

⁶⁵ Weiberg 2007: Fig. 21.

⁶⁶ Alram Stern 2004: tafel 29.

⁶⁷ Harrison 1995: Fig. 5; Mylonas 1959: plan 1.

⁶⁸ Romanou 2012: Fig. 1.

⁶⁹ Walter/Felten 1981: Fig. 22.

⁷⁰ Ivanova 2008: tafel 13; Stampolidis/Sotirakopoulou 2011: Fig. 1.

⁷¹ MacGillivray 1980: Fig. 1.

⁷² Stampolidis/Sotirakopoulou 2011: Fig. 2.

⁷³ Renfrew/Philaniotou/Brodie/Gavalas 2009: 40, plate 4:b.

⁷⁴ Watrous 1994: Fig. 7, 9.

CONCLUSION

Since the Neolithic Age, different architectural development and settlement pattern processes have been observed in Coastal Western Anatolia and Inland Western Anatolia region. The most significant factor for the differences seen in the planning systems among the

⁷⁵ Bilgen/Bilgen/Çirakoğlu 2015: 119-30, Fig. 139-140.

⁷⁶ Duru/Umurtak 2007; 2011, res. 1; 2016, 76.

⁷⁷ Oğuzhanoglu 2019: res. 7.

⁷⁸ Koşay 1934: 7; Tuna/Buluç/Tezcan 2012: Fig.1.

⁷⁹ İlgezdi-Bertram/Bertram 2012: 118-119, Fig.3; Tuna/Buluç/Tezcan 2012: Fig.3.

⁸⁰ Kulakoğlu 2017: 217.

⁸¹ Yıldırım 2013: plan 1; Yıldırım/Kısa 2015, 100.

coastal settlements and the Inland Western Anatolian settlements should be the climate, geographical conditions, and the sources of livelihood. The difference in the settlement patterns can be explained by climate and geography as the climate becomes more continental the closer, we get from the coast to the inner regions. By separating the settlement structures with narrow streets and alleys, it could be intended to provide some kind of air circulation between the streets, in the coastal regions where the climate is warmer.

Settlement layouts play an active role in establishing cultural boundaries, just as they may contribute to determining the sociological behavior of societies. When the existing settlement plans, which are unearthed in Anatolia and which have been determined by climate, geography and culture, are compared, it is possible to say that rather than individuality unity was more prominent in the settlements assembled around central courtyards. The shared central courtyard, instead of belonging to a particular class, must have been available to all the individuals residing in the settlement. The workflow that occurred at the central courtyard could also have been oriented around a common interest. Even though the activities that require collective workforce, such as the construction of long house blocks divided by streets and alleys, communal defense systems and streets, have been performed through common action, individuality is at the forefront rather than unity. Settlements that include streets and alleys are comparably more functional than settlements that have central courtyards. While it could be possible to expand the settlement and extend the streets and the alleys by abandoning a part of the existing fortification wall and building an additional one, as in Green (Verde) period of Poliochni, at the settlements which have streets and alleys⁸², the expansion of the residential areas of the settlements that have central courtyards could be very challenging and require a need for more materials and workforce.

Arranging the settlement around a central courtyard must have been related to more of a cultural approach rather than the size or the dimensions of the settlement. Streets and alleys may not have been needed in low-density settlements. That said, even though the Coastal Western Anatolian settlements of the period were of the same size as their contemporary Inland Western Anatolian settlements, the houses were still separated from each other by streets and alleys. The difference, in terms of settlement patterns and structure types, between these two contemporary regions that had been in mutual interaction, must result from the understanding of architectural culture.

⁸² Cultraro 1997: 98.

Korfmann, as a result of the excavations he carried out in Demircihüyük, and based on the Demircihüyük settlement pattern, had used the term, “Anatolian Settlement Plan”⁸³. It has become possible to outline the cultural borders in Anatolia using the settlement patterns, by the beginning of the 3rd millennium BC. In Coastal Western Anatolia, the houses surrounded by the defense systems display a settlement pattern that opens onto streets and alleys, in the beginning of the 3rd millennium BC. Even though, in layers I-II of Karataş-Semayük in Mediterranean region, a settlement pattern that opens onto a central courtyard is observed, it exhibits a distinctive character in terms of building types. Layers III-V of Karataş-Semayük, however, are distinguished from the surrounding cultural regions by both its individually located megarons and apsidal structures, and its settlement patterns⁸⁴. In Inland Western Anatolia and Central Anatolia, structures that lean on the defense system open onto central courtyards and create a pattern named “Anatolian Settlement Plan”. The architecture of Demircihüyük reflects the finest example of the Anatolian settlement plan. Even though the layout of Pulur-Sakyo⁸⁵ in Eastern Anatolia resembles the Demircihüyük plan, the existence of the structures that are located on the streets in layer VI B2 of Malatya-Arslantepe⁸⁶, which is contemporary with and close to this settlement, diverges from the settlement plan of Pulur-Sakyo⁸⁷. Outside of Anatolia, buildings that open onto central courtyards are seen in Thrace Region as well.⁸⁸ In this context, the term “Anatolian Settlement Plan” contradicts Korfmann’s “Anatolian Settlement Plan” in that it does not embrace all of Anatolia but only Inland Western Anatolia and Central Anatolia, and that there are different settlement patterns in Coastal Western Anatolia and the Mediterranean Region.

Fidan reassesses Korfmann’s term, “Anatolian Settlement Plan”, and states that the term applies only to Inland Western Anatolia.⁸⁹ When the “Anatolian Settlement Plan” is reviewed, it could be seen that such settlements built actually in accordance with this plan are found in Inland Western Anatolia⁹⁰. However, there exists structures that lean against defense systems and open onto central courtyards located in the center in Central Anatolia in Ahlatlıbel⁹¹, Koçumbeli,⁹² Kültepe⁹³ and Resuloğlu⁹⁴ in the 3rd millennium BC. In this context, contrary to

⁸³ Korfmann 1983: 222.

⁸⁴ Warner 1994.

⁸⁵ Koşay 1971: pl. 75; Koşay 1979: pl. 41.

⁸⁶ Frangipane 2008: Fig. 4.

⁸⁷ Fidan 2013: 115.

⁸⁸ Özdoğan 2013: Fig. 103.

⁸⁹ Fidan 2013: 118.

⁹⁰ Fidan 2012: 30.

⁹¹ Koşay 1934: 7; Tuna/Buluç/Tezcan 2012: Fig.1.

⁹² İlgezdi-Bertram/Bertram 2012: 118-19, Fig.3.

⁹³ Kulakoğlu 2017: 217.

⁹⁴ Yıldırım 2013: plan 1; Yıldırım/Kısa 2015, 100.

Korfmann's statement, the "Anatolian Settlement Plan" should include Central and Inland Western Anatolia, and not all of Anatolia. Central Anatolia should be included within the area circumscribed by Fidan as Inland Western Anatolia, as well.

As mentioned above, in the 3rd millennium BC, the structuring of the settlements in Coastal Western Anatolia, the Eastern Aegean Islands, the Cyclades, Crete and Mainland Greece evolved into a settlement pattern that is based on streets and alleys. Particularly, when taking into consideration the trade and cultural relations between Coastal Western Anatolia, the Eastern Aegean Islands, the Cyclades, Crete and Mainland Greece in the 3rd millennium BC, it could be seen that a cultural-architectural concept emerged within the region surrounded by the Aegean Sea. The term, the "Aegean Settlement Pattern", could be used for such settlements built based on this concept.

The "Aegean Settlement Pattern", which appear in Early Chalcolithic period and complete its development in the 3rd millennium BC, continue to exist in the Middle Bronze Age, the Late Bronze Age, and the Iron Age, as well.

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