

ABBILDUNGSVERZEICHNIS

CHRISTIAN GASTGEBER

Textabbildung

- 1 Wien, ÖNB, Cod. 389, f. 112^v: ergänzender Zusatz zur Chronik des Martinus Polonus (© ÖNB Wien)

ADAM IZDEBSKI – GRZEGORZ KOŁOCH – TYMON SŁOCZYŃSKI

Textabbildungen

Map Sites and regions (© Adam Izdebski – Agnieszka Gajda)

- 1–32 © Adam Izdebski – Grzegorz Słoczyński – Tymon Kołoch
- 1 Number of pollen samples per 50 years in the palynological data from Macedonia
- 2 Number of pollen samples per 50 years in the palynological data from Central Greece
- 3 Number of pollen samples per 50 years in the palynological data from Eastern Bulgaria
- 4 Central Greece: anthropogenic indicators
- 5 Central Greece: olive
- 6 Central Greece: secondary anthropogenic indicators
- 7 Central Greece: steppic indicators
- 8 Central Greece: forest trees
- 9 Macedonian highlands: anthropogenic indicators
- 10 Macedonian highlands: secondary anthropogenic indicators
- 11 Macedonian highlands: steppic indicators
- 12 Macedonian highlands: forest trees
- 13 Western Bulgaria: anthropogenic indicators
- 14 Western Bulgaria: secondary anthropogenic indicators
- 15 Western Bulgaria: steppic vegetation
- 16 Western Bulgaria: forest trees
- 17 Eastern Bulgaria: anthropogenic indicators
- 18 Eastern Bulgaria: secondary anthropogenic indicators
- 19 Eastern Bulgaria: steppic indicators
- 20 Eastern Bulgaria: forest trees
- 21 Eastern Bithynia: anthropogenic indicators
- 22 Eastern Bithynia: secondary anthropogenic indicators
- 23 Eastern Bithynia: steppic indicators
- 24 Eastern Bithynia: forest trees
- 25 Inland Pontus: anthropogenic indicators
- 26 Inland Pontus: secondary anthropogenic indicators

- 27 Inland Pontus: steppic indicators
- 28 Inland Pontus: forest trees
- 29 South-Western Anatolia: anthropogenic indicators
- 30 South-Western Anatolia: secondary anthropogenic indicators
- 31 South-Western Anatolia: steppic indicators
- 32 South-Western Anatolia: forest trees

DIMITRIOS LIAKOS

Textabbildungen

- 1–24 © Dimitrios Liakos
- 1 Vatopedi monastery; bell-tower
- 2 Vatopedi monastery; bell-tower; arcosolium
- 3 Vatopedi monastery; bell-tower; decorative brick ornaments in the western façade
- 4 Vatopedi monastery; bell-tower; a “Pula type” bowl in the northern façade
- 5 Vatopedi monastery; bell-tower; the column in the wall-opening on the upper floor (northern façade)
- 6 Vatopedi monastery; bell-tower; the lower part of the column with the base in the wall-opening of the northern façade
- 7 Vatopedi monastery; bell-tower; capital with inherent impost on the column (wall-opening, northern façade)
- 8 Vatopedi monastery; bell-tower; northern wall-opening; part of a door frame impacted in the western arch
- 9 Vatopedi monastery; bell-tower; northern wall-opening; part of a door frame impacted in the eastern arch
- 10 Vatopedi monastery; bell-tower; eastern wall-opening; parts of a cornice on door frame with unfinished sculpted decoration, impacted in the southern arch
- 11 Vatopedi monastery; bell-tower; eastern wall-opening; part of a cornice impacted in the northern arch
- 12 Vatopedi monastery; bell-tower; western wall-opening; undecorated cornices impacted in the southern arch
- 13 Vatopedi monastery; bell-tower; southern wall-opening; undecorated cornice impacted in the eastern arch
- 14 Vatopedi monastery; bell-tower; outer northern façade; part of a cornice
- 15 Vatopedi monastery; bell-tower; outer northern façade; part of a cornice
- 16 Vatopedi monastery; bell-tower; outer northern façade; cornice
- 17 Skete of St Demetrios; kyriakon; part of a cornice impacted in the stone-built krepis
- 18 Vatopedi monastery; bell-tower; outer northern façade; marble panel from an altar screen
- 19 Vatopedi monastery; bell-tower; outer northern façade; marble brick
- 20 Vatopedi monastery; bell-tower; outer northern façade; marble slab
- 21 Vatopedi monastery; bell-tower; outer northern façade; marble slab
- 22 Vatopedi monastery; fountain next to the bell-tower; the reused colonettes of an altar screen
- 23 Vatopedi monastery; katholikon; exonarthex; the marble throne with two reused mullions
- 24 Vatopedi monastery; chapel of Saints Anargyroi; marble slab impacted in the eastern façade

JOHANNES PREISER-KAPELLER

Textabbildungen

1–33 © Johannes Preiser-Kapeller, 2015

- 1 Sites of temperature proxy data included in the study (basemap: GoogleSatellite; created with QuantumGIS*)
- 2 Sites of precipitation proxy data included in the study (basemap: GoogleSatellite; created with QuantumGIS*)
- 3 Sites of pollen data included in the study (basemap: GoogleSatellite; created with QuantumGIS*)
- 4 Reconstruction of climatic conditions and general trends in agricultural production in the Byzantine Empire in the 11th cent. AD (created with QuantumGIS*)
- 5 Extreme weather events, famine, disease and invasions in the Byzantine Empire, 1032–1038 AD (created with QuantumGIS*)
- 6 Reconstruction of climatic conditions and general trends in agricultural production in the Near East in the 12th cent. AD (created with QuantumGIS*)
- 7 Reconstruction of climatic conditions and general trends in agricultural production in the Near East in the 13th cent. AD (created with QuantumGIS*)
- 8 Tree ring-data for Albania, 1081–1118 AD, as proxy for temperature conditions
- 9 Tree ring-data for Albania, 968–1300 AD, as proxy for temperature conditions
- 10 Tree ring-data for Albania, 1180–1204 AD, as proxy for temperature conditions
- 11 Tree ring-based reconstruction of May-June precipitation in the Northern Aegean, 1143–1180 AD
- 12 Tree ring-based reconstruction of May-June precipitation in the Northern Aegean, 1089–1300 AD
- 13 Tree ring-based reconstruction of May-June precipitation in the Northern Aegean, 1089–1300 AD: 20 years moving average and general trend
- 14 Tree ring-based reconstruction of May-June precipitation in the Northern Aegean, 1180–1204 AD
- 15 Tree ring data from Kyrgystan, 694–1300 AD, as proxy for temperature and precipitation conditions
- 16 Percentage of cerealia pollen in the samples from Lake Almalou and Lake Maharlou (both Iran), 8th–14th cent. AD
- 17 Percentage of cerealia pollen in the samples from Köycegiz Gölü and Sögüt Gölü (both Turkey), 8th–15th cent. AD
- 18 Percentage of olea pollen in the sample from Lake Voulkaria and of cerealia pollen in the sample from Lake Orestias (both Greece), 9th–13th cent. AD
- 19 Average monthly temperature (°C) and average monthly precipitation (mm) in the city of Van (Turkey) today
- 20 Average monthly evaporation (mm) and average monthly precipitation (mm) in the city of Van (Turkey) today
- 21 Oxygen isotopes index for core samples from sediments in Lake Van (Turkey), 450–1450 AD
- 22 Number of larger building projects in the Lake Van region and charcoal index for core samples from sediments in Lake Van (Turkey) as proxy for human activity, 6th–15th cent. AD

- 23 Carbonate isotopes data from speleothems in the Sofular Cave (Turkey) as precipitation proxy, 1000–1100 AD
- 24 Carbonate isotopes data from speleothems in the Sofular Cave (Turkey) as precipitation proxy, 900–1300 AD
- 25 Carbonate isotopes data from speleothems in the Sofular Cave (Turkey) as precipitation proxy, 1654 BCE–1800 CE
- 26 Frequency of years with extreme weather events in the areas of the Byzantine Empire as documented in written sources, 900–1200 AD
- 27 Frequency of years of internal unrest and with extreme weather events per decade in the areas of the Byzantine Empire as documented in written sources, 900–1200 AD
- 28 Frequency of years with extreme (high or low) Nile floods in Egypt, 900–1200 AD
- 29 Frequency of years with extreme weather events in the areas of Syria, Palestine and Northern Iraq as documented in written sources, 1100–1230 AD
- 30 Frequency of years with over-regional famines in Western and Central Europe as documented in written sources, 1100–1260 AD
- 31 Index of grain production (1956 = 100) and annual precipitation in percentage of the year-long average in Syria, 1954–1967
- 32 Frequency of the quality of wheat harvests in Turkey, 1928–1961
- 33 Trajectory of the quality of wheat harvests in Turkey, 1928–1961

SIGLENVERZEICHNIS

AA	Antichità Altoadriatiche
AASS	Acta Sanctorum. Antwerpen – Bruxelles 1643–1925
ABME	Ἀρχεῖον τῶν βυζαντινῶν μνημείων τῆς Ἑλλάδος
ABSA	Annual of the British School at Athens
ACO	Acta Conciliorum Oecumenicorum, ed. E. SCHWARTZ [et al.]. Berlin 1927–
AD	Ἀρχαιολογικὸν Δελτίον
AHC	Annuario Historiae Conciliorum
AHG	Analecta Hymnica Graeca, I. SCHIRÒ consilio et ductu edita, I–XII. Rom 1966–1980
AJA	American Journal of Archeology
AnBoll	Analecta Bollandiana
ArchMed	Archeologia Medievale
ArchPont	Ἀρχεῖον Πόντου
ASCL	Archivio Storico per la Calabria e la Lucania
ASM	Archivio Storico Messinese
ASN	Archivio Storico per le provincie Napolitane
ASNP	Annali della Scuola Normale superiore di Pisa, Classe di Lettere e Filosofia
ASP	Archivio Storico Pugliese
ASS	Archivio Storico Siciliano
ASSO	Archivio Storico per la Sicilia Orientale
BBA	Berliner Byzantinistische Arbeiten
BCH	Bulletin de Correspondance Hellénique
BF	Byzantinische Forschungen
BHG	Bibliotheca Hagiographica Graeca. 3 ^e éd. par F. HALKIN. I–III. Novum Auctarium. Bruxelles 1957. 1984
BMGS	Byzantine and Modern Greek Studies
BNJ	Byzantinisch-neugriechische Jahrbücher
BNV	Byzantina et Neograeca Vindobonensia
BollGrott	Bollettino della Badia Greca di Grottaferrata
BAR	British Archaeological Reports
BHM	Bulletin of the History of Medicine
BSI	Byzantinoslavica
BV	Byzantina Vindobonensia
Byz	Byzantion
BZ	Byzantinische Zeitschrift
CAG	Commentaria in Aristotelem Graeca, I–XXIII. Berlin 1882–1909
CahArch	Cahiers Archéologiques
CARB	Corsi di Cultura sull'Arte Ravennate e Bizantine
CCSG	Corpus Christianorum, Series Graeca
CFHB	Corpus Fontium Historiae Byzantinae
CIG	Corpus Inscriptionum Graecarum. I–IV. Berlin 1828–1877
CIMAGL	Cahiers de l'Institut du moyen-âge grec et latin
CPG	Clavis Patrum Graecorum, ed. M. GEERARD. I–V. Supplementum. Turnhout 1974–1998
CSCO	Corpus Scriptorum Christianorum Orientalium
CSHB	Corpus Scriptorum Historiae Byzantinae
DACL	Dictionnaire d'Archéologie Chrétienne et de Liturgie. I–XV. Paris 1913–1953
DChAE	Δελτίον τῆς Χριστιανικῆς Ἀρχαιολογικῆς Ἑταιρείας
DGE	F. ADRADOS [et al.], Diccionario griego-español. Madrid 1980–
DHGE	Dictionnaire d'Histoire et de Géographie Ecclésiastiques. Paris 1912–
DIEE	Δελτίον τῆς Ἱστορικῆς καὶ Ἐθνολογικῆς Ἑταιρείας τῆς Ἑλλάδος
DNP	Der neue Pauly. Enzyklopädie der Antike. I–XVI. Stuttgart – Weimar 1996–2003
DOP	Dumbarton Oaks Papers
DOS	Dumbarton Oaks Studies

DOT	Dumbarton Oaks Texts
EEBS	Ἑπετηρίς Ἐταιρείας Βυζαντινῶν Σπουδῶν
EO	Échos d'Orient
EpAnt	Epigraphica Anatolica
EPHS	Ὁ ἐν Κωνσταντινουπόλει Ἑλληνικός Φιλολογικός Σύλλογος
FM	Fontes Minores
GCS	Die griechischen christlichen Schriftsteller
GRBS	Greek, Roman and Byzantine Studies
HdA	Handbuch der Altertumswissenschaft
Hell	Ἑλληνικά
IJNA	International Journal of Nautical Archaeology and Underwater Exploration
IRAIK	Izvestija Russkago Archeologičeskago Instituta v Konstantinopol'e
IstMitt	Istanbuler Mitteilungen
JbAC	Jahrbuch für Antike und Christentum
JHSt	Journal of Hellenic Studies
JÖB	Jahrbuch der Österreichischen Byzantinistik (1969–)
JÖBG	Jahrbuch der Österreichischen Byzantinischen Gesellschaft (1951–1968)
JRA	Journal of Roman Archaeology
JRSt	Journal of Roman Studies
KyprSpud	Κυπριακά Σπουδαί
LBG	Lexikon zur byzantinischen Gräzität, erstellt von E. TRAPP [et al.]. Wien 1994–
LCI	Lexikon der christlichen Ikonographie. I–VIII. Rom u.a. 1968–1976
LexMA	Lexikon des Mittelalters. I–IX. München 1980–1998
LSJ	H. G. LIDDELL – R. SCOTT – H. STUART JONES – R. MCKENZIE, A Greek-English Lexicon. Oxford ¹ 1925–1940 Revised Supplement, ed. by P.G.W. GLARE with the assistance of A.A. THOMPSON. Oxford 1996
LThK ²	Lexikon für Theologie und Kirche. I–X. Freiburg ² 1957–1968
LThK ³	Lexikon für Theologie und Kirche. I–XI. Freiburg ³ 1993–2001
Maked	Μακεδονικά
MBM	Miscellanea Byzantina Monacensia
MEFRA	Melanges d'Archéologie et d'Histoire de l'École Française de Rome
MEG	Medioevo Greco. Rivista di storia e filologia bizantina
MGH	Monumenta Germaniae Historica
Mill	Millennium
MiÖG	Mitteilungen des Instituts für Österreichische Geschichtsforschung
MM	F. MIKLOSICH – I. MÜLLER, Acta et diplomata graeca medii aevi I–VI. Wien 1860–1890
MMB	Monumenta Musicae Byzantinae
NE	Νέος Ἑλληνομνήμων
OC	Orientalia Christiana
OCA	Orientalia Christiana Analecta
OCP	Orientalia Christiana Periodica
ODB	The Oxford Dictionary of Byzantium, ed. by A. P. KAZHDAN [et al.]. Vol. I–III. New York – Oxford 1991
PAA	Πρακτικά τῆς Ἀκαδημίας Ἀθηνῶν
PG	Patrologiae cursus completus. Series graeca, ed. J.-P. MIGNÉ. 1–161. Paris 1857–1866
PL	Patrologiae cursus completus. Series latina, ed. J.-P. MIGNÉ. 1–221. Paris 1844–1880
PLP	Prosopographisches Lexikon der Palaiologenzeit, erstellt von E. TRAPP [et al.]. Wien 1976–1996
PLRE	The Prosopography of the Later Roman Empire, ed. A.H.M. JONES – J.R. MARTINDALE – J. MORRIS. 1–2. Cambridge 1971–1980
PmbZ I/II	R.-J. LILIE [et al.], Prosopographie der mittelbyzantinischen Zeit. Erste Abteilung (641–867), Zweite Abteilung (867–1025). Berlin 1999–2013
PO	Patrologia Orientalis, ed. R. GRAFFIN – F. NAU. 1–. Paris 1904–
PRK	Das Register des Patriarchats von Konstantinopel, hrsg. v. H. HUNGER – O. KRESTEN [et al.]. 1–. Wien 1981–
RAC	Reallexikon für Antike und Christentum. I–. Stuttgart 1950–
RbK	Reallexikon zur byzantinischen Kunst. I–. Stuttgart 1966–
RE	PAULYS Realencyclopädie der classischen Altertumswissenschaft. Neue Bearbeitung ... v. G. WISSOWA [et al.]. 66 Halbbde, 15 Suppl.-Bde. Stuttgart – München 1893–1978
REB	Revue des Études Byzantines
REG	Revue des Études Grecques
RESEE	Revue des Études Sud-Est-Européennes
RGK	Repertorium der griechischen Kopisten. I–III. Wien 1981–1997

RHM	Römische historische Mitteilungen
ROC	Revue de l'Orient Chrétien
RSBN	Rivista di Studi Bizantini e Neoellenici
RSL	Rivista di Studi Liguri
SBN	Studi Bizantini e Neoellenici
SBS	Studies in Byzantine Sigillography
SC	Sources Chrétiennes
Script	Scriptorium
SicArch	Sicilia Archeologica
SIFC	Studi Italiani di Filologia Classica
StT	Studi e Testi
Symm	Σύμμεικτα
TAPA	Transactions of the American Philological Association
Tgl	Thesaurus Graecae Linguae I–VIII. Paris 1831–1865
ThEE	Θρησκευτική και Ἠθική Ἐγκυκλοπαίδεια. I–XII. Athen 1962–1968
TIB	Tabula Imperii Byzantini. I– . Wien 1976–
TLG	Thesaurus Linguae Graecae. CD-ROM E. University of California at Irvine 2000, jeweils aktuelle Version unter www.tlg.uci.edu (mit <i>site licence</i>)
TM	Travaux et Mémoires
TU	Texte und Untersuchungen
VTIB	Veröffentlichungen der Kommission für die TIB
VV	Vizantijskij Vremennik
WBS	Wiener Byzantinistische Studien
WSt	Wiener Studien
WZKM	Wiener Zeitschrift für die Kunde des Morgenlandes
ZMNP	Žurnal Ministerstva Narodnago Prosvěščenija
ZPE	Zeitschrift für Papyrologie und Epigraphik
ZRVI	Zbornik Radova Vizantološkog Instituta

