Index

Α

Access to fieldwork resources 13-14 Analogue resources 13-14, 26-27, 29, 61, 68 Digital resources 13-16, 18, 25, 26, 27, 29, 62, 66 Open access see open data Allen's interval algebra 105, 117 Analogue resources 12, 84-88 Deteriorating archival materials 12, 14, 18-19, 79, 86 Annotation 27-29, 31, 49 Archaeological sites Avaris 81-84 Isthmia 20, 31-34 Kish 70-71, 74 Orontes watershed region 41 Tell el-Daba see Avaris Tell Ingharra see Kish Ur 53–56 Uruk 19, 54, 70 Archive archaeology 18, 65-66, 75 Archive, digital Challenges 17, 86–90 Long-term preservation 12, 18-19, 79, 86, 89 Preservation intervention point 86 Automation 35, 44-45

С

CIDOC CRM 18, 89, 91, 93 Collection of data 30, 69, 107 Controlled vocabulary 31, 90, 92–93 Crowd-sourcing 29

D

Data granularity 15-16 Data management 13, 50, 92 Data model 40, 88, 90–92 Event-based 105 Hierarchical 42, 48-49, 107 Item-based 44-46 Relational 17-18, 45 Data retrieval 15, 27-28, 31, 34, 41, 61 Semantic discovery system 89 Data types 3D data 50, 106, 113-114 Text 28-29, 42, 44, 46-47, 61 Spatial data 48, 50, 105-107 Data structure see data model Database 17, 41, 44-49, 73, 85, 93 Graph database 45, 93 Relational database 17, 27, 41, 87 XML database 17, 44 Digital revolution 25, 39-40

Digitisation 12–14, 18–19, 61–62, 86, 107, 114 Dissemination of data *see* open data

E

Ennigaldi-Nanna 53–54 Excavation methods Arbitrary excavation 84, 101, 111, 113 Locus system 49, 84–85, 103 Stratigraphic excavation 84

F

File format 16, 19, 89 File naming 44, 92

I

Integration of data Approaches, summary 17–18 Challenges 16–17, 29, 47, 56, 88 Information integration tool *see* Software and systems, KARMA Interoperability 18, 89

K

Keyword see annotation

L

Legacy data 11, 29–30, 39–40, 44, 49, 101–102 Lexicographic analysis 42 Linked open data 28, 93 Loss of data 14, 79, 86, 89

Μ

Metadata 13, 30-31, 89-90, 92-93, 95, 111

0

Online resources for Near Eastern archaeology 14–16
Digitising Early Farming Cultures App (DEFC App) 15
MEGA Jordan 15
Open Context 15–16
OrientLab 68–70, 74
Ras Shamra Tablet Inventory 42, 50
Tell el-Daba Documentation Archive 96
Ur Online 20, 53
Open data 14–15, 68, 74
Openness *see* open data

Projects Computational Research of the Ancient Near East (CRANE) 41–42, 47, 50, 67 ETANA project 15

Р

Homs Regional Project 41 Jaffa Cultural Heritage Project 49 Mesopotamia Exploration Survey (MES) 18, 68–69 TAY project 67 Ur Digitisation project 18, 53–54, 65–62 Prosopographical analysis 44

R

RDF- and XML-based serialisation 89, 93 Reconstruction 18, 74, 86, 102, 116 Reinterpretation 34 Repository ARCHE 94, 96 Digital Library Development Centre 18, 44 OCHRE Data Service 43–44 Open Context 15–16 Reuse of data 11, 13 Reverse excavating 102, 117

S

Scanning 19, 86, 107, 111 Flatbed scanner 61–62 Schema 30, 91 Searching data *see* data retrieval Segmentation 107–108 Semantic technologies 18, 91–93 Sharing data *see* open data Simple Knowledge Organisation System (SKOS) 93 Single researcher 14, 65–70 Software and systems Advanced Renamer 44 ArcGIS 105, 107, 111, 113–116 Arch4DInspector 114–115 Archaeological Information System (AIS) 18, 90, 102–103, 105–107, 116–117

Archaeological Resource Cataloguing System (ARCS) 17, 25-35 Arches 89 AutoCAD 85, 103, 111 FEDORA 94 Geographical Information System (GIS) 101 Harris Matrix Composer + (HMC+) 18, 107, 113 KARMA 93 Microsoft Access 17, 73, 85 Microsoft Excel 73, 92-94 Online Cultural and Historical Research Environment (OCHRE) 17-18, 39-51 OpenRefine 44 QGIS 42, 70 SketchUP 114 Spatio-temporal analysis 11, 102, 105, 107, 117 Stratigraphic sequencer see Software and systems, Harris Matrix Composer + (HMC +) Standards 30, 42, 44, 49, 88-89, 91, 93, 95, 102, 107

Т

Tag *see* annotation Text transliteration 42, 44–45 Thesaurus 49, 90, 93 Transcription 28, 61

U

V

Visualisation 102, 106, 111-113

W

Woolley, Leonard 53-56

Unicode 44