



La Trobe University Library

How do you squeeze all of a research project into the repository?

Michael Wood
Institutional Repository Manager

The Adaptable Repository, Sydney 3rd May 2007

The promise of repositories

- Collection, organisation, preservation and dissemination of diverse digital objects
- Using computers in networks aggregate, re-use and manipulate objects for a variety of purposes
- Build the global digital library

eScience and eHumanities

Increased and improved

- Reworking data
- Re-evaluating conclusions
- Collaboration
- Comparison

through

- Published data
- Published methods

as well as published conclusions

How do you deliver this?

- As a repository manager can you deliver this promise now?
- To investigate delivering part of that promise in practice with a real example at La Trobe
- How do you truly encapsulate a research project in a repository?

The research project

- Archaeology
- Cyprus
- 15 years
- Lots of research products to play with
- Can we encapsulate this project in the repository?
- How would we go about it?
- If it isn't doable now, what are the issues?

La Trobe University Library

Divide the site into compounds



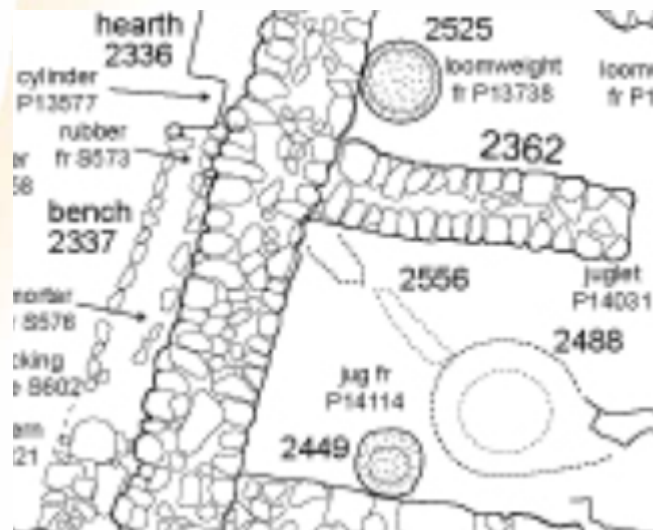
**Compound 8
Phase F-1**

CXI-6
loomweight fr P13585
loomweight fr P13587
loomweight fr P13529
sherd disk P13699
weight S593
weight S572
grinder S553
hammerstone S551
mortar fr S554
pestle fr S577
work surface S567
2 cores
3 notched scrapers
1 backed sickle blade
1 retouched piece

XCVII-6
hub fr P13202
1 bore drill
1 core
3 sickle blades
1 notched scraper
3 retouched tools

XCVI-5
axe S556
rubbing stone S587
needle M40
2433
loomweight P13605
potting pit fr P14055
rubber fr S569
whorl P13908
pounder S552
pounder S553
hearth 2336
cylinder P13577
rubber fr S573
rubber fr S558
bench 2337
jug P13486
core P13096
quern S591
juglet P13251
whorl P13292
pecking stone S602
quern S621
mortar fr S578
mortar S570
rubber fr S556
mortar S544
mortar S565
loomweight fr P13735
loomweight fr P14154
base P14030
bench and bin 2407
point S31
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Detail from compound drawing



Photos of features



Hearth

Photos of artefacts

Flint tools



Flint tool types



Backed sickle blades



Backed sickle blades



Sickle blades



Cortical sickle blades



Flakes with sickle gloss



Convex scrapers



Convex scrapers



End scrapers



Notched implements



Borers and drills



Points



Flint tools

Artefacts of diverse sources and uses and relations

Metal, bone and shell artefacts



Bone implements, B10–B14



Necklace spacer, B14



Decorated antler tine, B55



Point, B56



Spurred annular pendant, B60



Bone and antler artefacts from the 1996 season



Needles M12–M15, M17, M18; earring M16



Needle, M19



Needles, M19–M21



Earring M35, pin M41, knife/dagger M33



Knife/dagger, M33

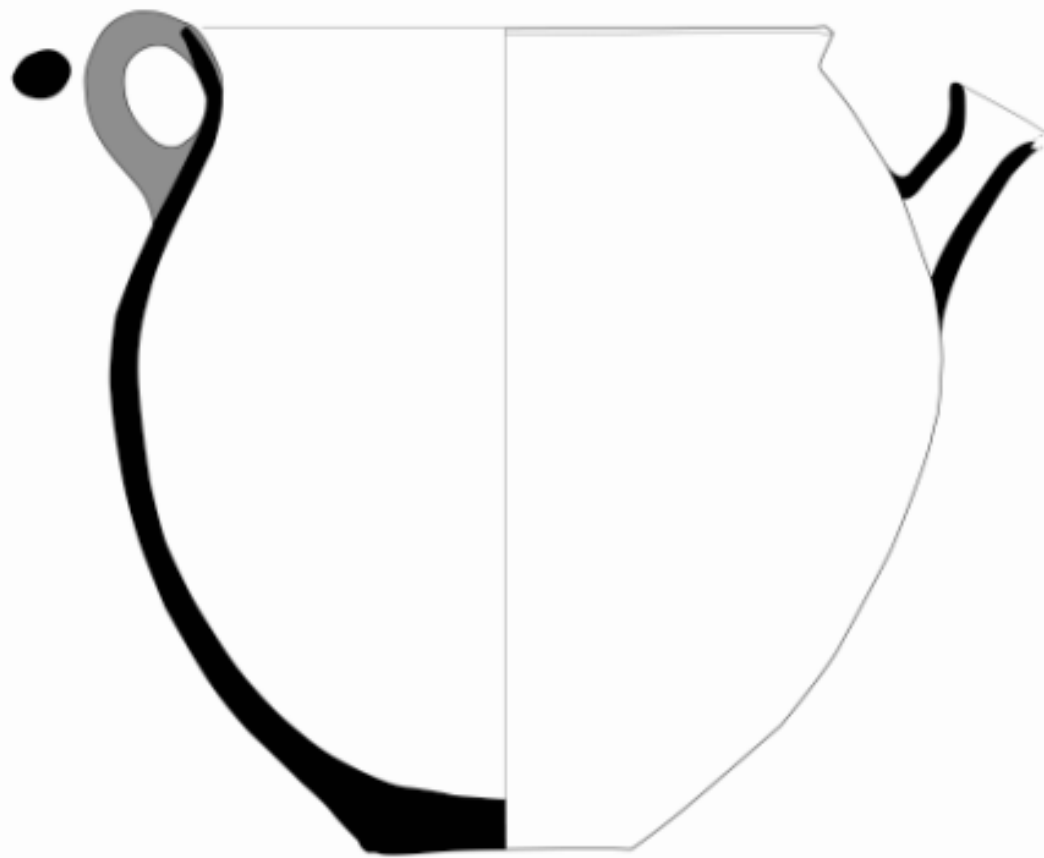


Earring, M35

Photographs containing data



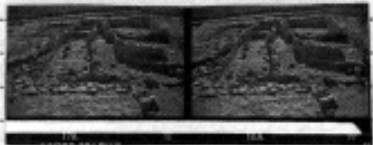
Drawings of items



CM 1962-V-24-2



Field logs recording and linking

context	date and cross-reference
409 1837 PHOTOS OF THE SURFACE OF 1837 IN UNIT CII WERE TAKEN IN CONJUNCTION WITH THAT OF UNIT CII SURFACE 1839 : 88-15  88-17 FACING SOUTH: SOFT SURFACE 1837 IN UNIT CII (LEFT) DIVIDED BY WALL 1839 TO UNIT C1 (RIGHT) AND 39.7 SURFACE 1839	14.12.98 88-15 88-17 88-18-22 88-19-16
1832 SOFT 1832 WILL BE USED TO CORRELATE FIND THE UNIT SURFACE ASSOCIATED WITH THE SOFT CORRELATION PERIOD REVEALS & IN THIS LOCATION ASSOCIATED WITH THE REINFORCED WALL TUNNEL FOR WHICH THE SOFT SURFACE WILL BE USED WITH THE ACCUMULATION OF SOFT AND ALSO POWER FROM WHICH HAS BEEN GIVEN THE SOFT SURFACE 1846 WHICH IS ABOUT 1 m SOUTH OF UNIT	88-15 88-17 88-18-22 88-19-16

Field record sheets

ACE MARKI ALONIA 1995
CONTEXT FIELD RECORD

Excavator: JL Date: 24 / 11 / 96
Logbook page: 23:17

CONTEXT 1340 SQUARE
UNIT LxV

NO. OF CELLS

INTEGRITY undisturbed - disturbed DISCARD primary - secondary

STRUCTURE: III floor makeup - occupation floor - wall - pit - hearth - burial from post-hole 1339

DEFINITION & BOUNDARIES: arbitrary / natural fill from post-hole 1339 which
was 8-10cm deep, 7.5cm east of baulk under wall 1668
and 17cm north of baulk under wall 1942

COLOUR Yellowish brown Munsell / /
TEXTURE finely, fine VOLUME

STRATIGRAPHIC RELATIONSHIPS

underlies 1273 668 669 cut by
700 942

equals abuts

overlies 1339 cuts 1324

LEVELS

	datum	before excavation reading	after excavation reading
A			
B			
C			
D			

Sketch plan scale: Scale 1:50
Refer to measured plan 23: opp p16
Refer to section 23: opp p15

Records that are indexes

CONTENTS		
Context	SQUARE 22 24 brief description	page
1601	ROUGH WALL BELOW PLASTER LINE REMOVED BY BRICKLAYER	1
1611	EAST - WEST ORIENTATION OF A CONCRETED WALL (WALL)	1
1612	ARBITRARY SURFACE AT LOW LEVEL OF WALL 1611	2
1613	ARBITRARY SURFACE TO THE NORTH OF 1611	3
1614	SOIL UNDOUBTING 1611 BORDERED TO THE NORTH BY 1611	3
1634	POSSIBLE ENLARGEMENT, EAST OF 1611	4
1635	NE - SW ORIENTATION OF WALL TO THE WEST OF SQUARE	5
1636	NNE - SSW ORIENTATION OF WALL TO THE NORTH OF 1611	5
1637	NW - SE ORIENTATION OF WALL TO THE EAST OF SQUARE	5
1638	SOIL UNDOUBTING 1611 TO THE EAST OF SQUARE	6
	SQUARE 22 24 (NTH)	
1644	ROAD FILL UNDER ROAD	9
1659	EAST - WEST ORIENTATION OF WALL, NORTH OF SQUARE	9
1660	EAST - WEST ORIENTATION OF WALL, SOUTH TO 1659	10
1661	NE - SW ORIENTATION OF WALL, SOUTH TO 1660	11
	SQUARE 22 24 (NTH)	
1667	ROAD FILL UNDER ROAD	14
1673	ARBITRARY SOIL TO THE WEST OF WALL 1662	14
1676	ARBITRARY ROAD (CURB) TO THE NORTH OF 1667	15
1677	EAST - WEST ORIENTATION OF WALL PERPENDICULAR TO 1662	15
1680	NE - SW ORIENTATION OF WALL, WEST OF 22 24 3 TH 2020	15

Indexes to objects

photo number	Context	facing	subject	page
B7: 27	1811	vert	BASIN ON SURFACE 1811	43
C9: 24-25	1811	S	" " " "	43
B7: 31-34	1811	S	} SURFACE 1811 ON UNIT C1	45
C9: 29-30	1811	S		45
B7: 31-32	1811	S	} - no change - wide angle	45
C9: 29-30	1811	S		45
B8: 5	1811	S	} STRENGTH CORNER OF UNIT C1 APPEARS	45
C10: 3	1811	S		45
B8: 18-22	1837	S	} SURFACE 1837 ON UNIT C1	49
C10: 15-16	1837	S		49
B8: 27	1846	N	WALL TUMBLE 1846 CORNER WALL 1847	49
C10: 26	1846	N	" " " " " "	49
B9: 2	1855	S	WALL AND MURDERER ON SURFACE 1855	50
C11: 8	1855	S	" " " " " "	50
B9: 3	1855	S	WALL IN SITE ON SURFACE 1855	50
C11: 9	1855	N	" " " " " "	50
B9: 11-12	1837	S	WALL STANDING SURFACE OF UNIT 1837	51
C11: 21-22	1837	S	" " " " " "	51
B12: 8-11	1846	/	WALL FALL 1846 ON SPIT SURFACE 1847	53
C12: 25-26	1846	/	FROM VARIOUS ANGLES NORTH, EAST	53
C13: 15-16	1846	/	AND WEST.	53
B10: 26-27	1892	S	POSSIBLE CORNER 1892 IN STRENGTH CORNER	59

Even journal articles!

Submitted to *Archaeologia Cypria* 2006

I

TEST EXCAVATIONS AT CHALCOLITHIC POLITIKO KOKKINOROTSOS, 2006

DAVID FRANKEL, JENNIFER M. WEBB

The site: previous research

The Chalcolithic site of Politiko Kokkinorotsos was documented during the late 1990s by the Sydney Cyprus Survey Project (hereafter SCSP) and published as Politiko Phournia* (Given and Knapp 2003:192–197, 265–266, SCY 200, CS 2907). It lies several kilometres west of Politiko village, in a relatively narrow stretch of the Koufos River valley (Figure 1). A scatter of surface material of varied density was identified on the northwestern side of one field (Plot 578, Cadastral Plan XXX/57, Given and Knapp 2003:193–194, fig. 4.64; Figure 2). Subsequent geophysical prospecting suggested the presence of some twelve circular structures southeast of the main sherd scatter (Given and Knapp 2003:194–195, 266, figs 4.65, 4.66), confirming, for the SCSP, that the surface material was probably not a lag deposit deposited by slope wash from elsewhere, especially as no more than a handful of sherds were found

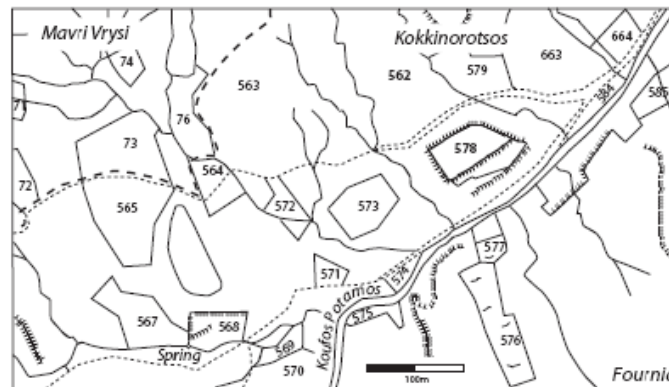


Figure 2. Plan of the fields near Politiko Kokkinorotsos. After Cyprus Department of Lands and Survey Cadastral Plan XXX 57.

A number of factors influenced our decision. From a logistical perspective we were looking for a site which

All in a related collection



ACE MARK ALONIS 1995
CONTEXT FIELD RECORD

Excavation: 3.1 Date: 2006.8.1.55
Logbook page: 221.17

CONTEXT: 173.4-25 SQUARE: 173.4-25
NO. OF CELLS: ONE 1m x 1m

INTENSITY: not recorded - discarded

STRUCTURE: 173.4-25 (see notes: complete from wall - floor - some floor post-hole 173.4-25)
DEFINITION: a semi-circular, earthen vessel - full from post-hole 173.4-25 (which was 8-10cm deep, 7-5cm wide of bowl under wall 173.4-25 and 17cm north of bowl under wall 173.4-25)

COLOUR: 173.4-25 (brown)

TEXTURE: 173.4-25 (fine)

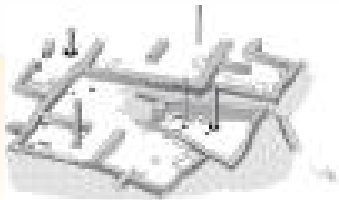
STRATIGRAPHIC RELATIONSHIP: 173.4-25 (see notes: complete from wall - floor - some floor post-hole 173.4-25)

LEVELS: A, B, C, D

Sketch plan type: 173.4-25 (see notes: complete from wall - floor - some floor post-hole 173.4-25)

Scale: 1m

Notes: 173.4-25 (see notes: complete from wall - floor - some floor post-hole 173.4-25)



TEST EXCAVATIONS AT CHALCOLITHIC POLITIKO KOKKINOROTSOS, 2006

DAVID FRANKEL, JENNIFER M. WEBB

The site: previous research

The Chalcolithic site of Politiko Kokkinorotsos was documented during the late 1990s by the Sydney Cyprus Survey Project (hereafter SCSP) and published as *Politiko Phoinix* (Given and Knapp 2003:192-197, 265-266, SCY 200, CS 2907). It lies several kilometres west of Politiko village, in a relatively narrow stretch of the Koudos River valley (Figure 1). A scatter of surface material of varied density was identified on the northwestern side of one field (Plot 578, Cadastral Plan XXX/57, Given and Knapp 2003:193-194, fig. 4.64; Figure 2). Subsequent geophysical prospecting suggested the presence of some twelve circular structures southeast of the main sherd scatter (Given and Knapp 2003:194-195, 266, figs 4.65, 4.66), confirming, for the SCSP, that the surface material was probably not a lag deposit deposited by slope wash from elsewhere, as suggested by some previous site visits to the northwestern side of the river valley.



Figure 2. Plan of the fields near Politiko Kokkinorotsos. After Cyprus Department of Lands and Survey Cadastral Plan XXX/57.

A number of factors influenced our decision. From a logistical perspective we were looking for a site which



Making it meaningful

- We can easily add these objects to the repository and disseminate them
- How do we make them meaningful to users?
- How do we get them to reflect the full meaning of the research?
- We need to express the relationships of these objects

Expressing relationships

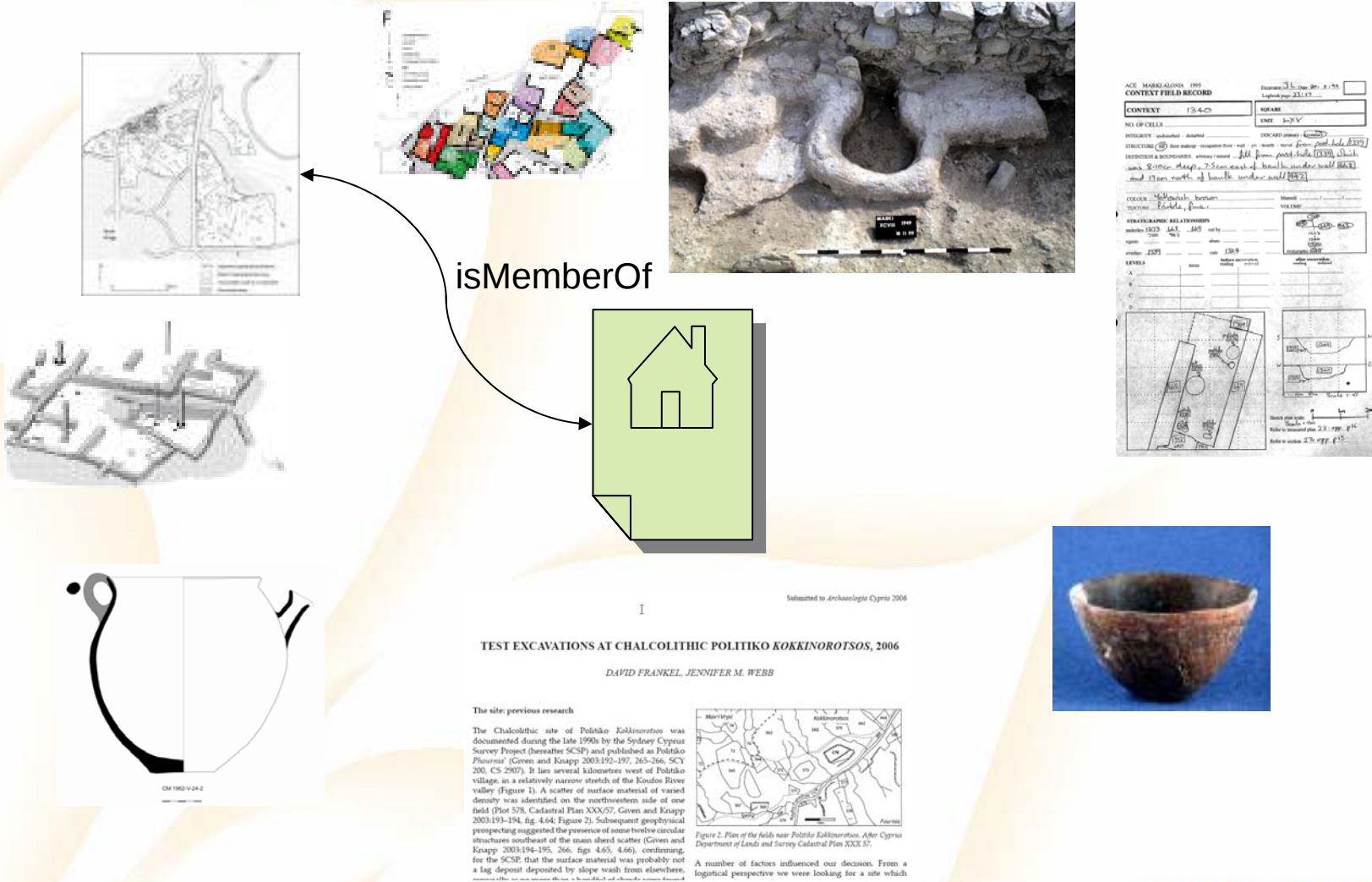
- Some can be inferred from other metadata
 - Photos with time in the technical metadata could be related to a phase of the project
- Some may be expressed through an index object
- Some need direct expression

Relationships - kinds

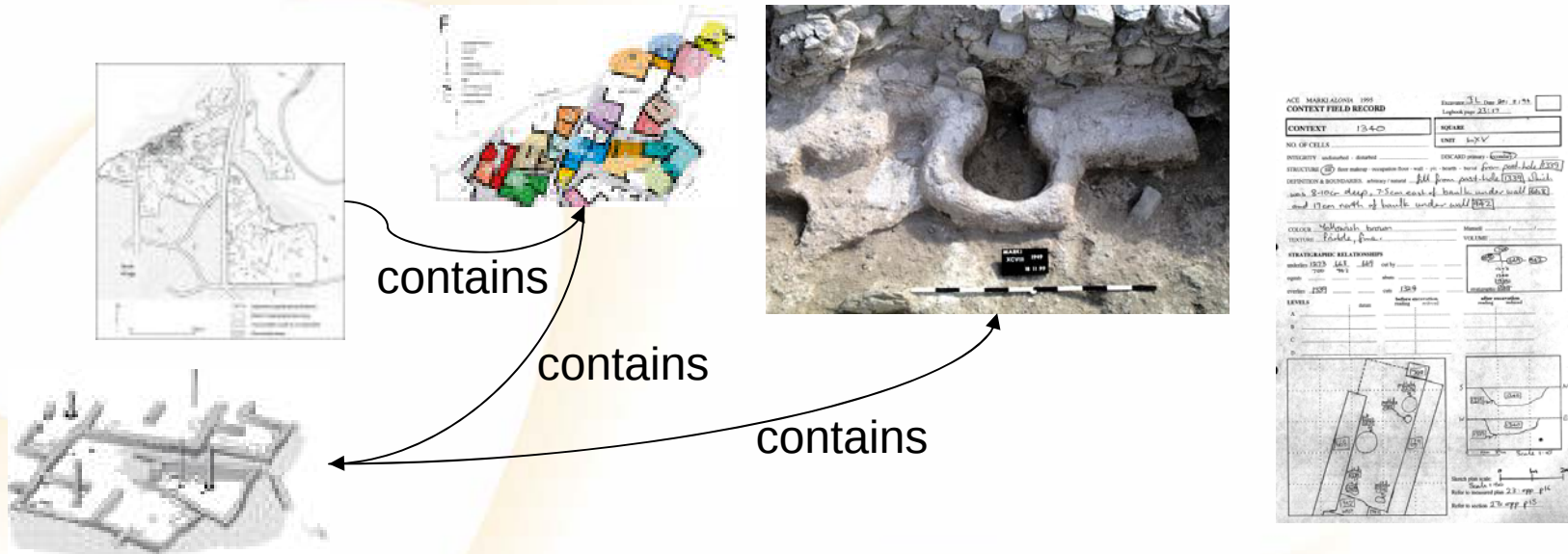
- Hierarchical
- Spatial
- Temporal
- Semantic

Hierarchy - collection

isMemberOf



Sub-hierarchies



Submitted to *Archaeologia Cypria* 2006

TEST EXCAVATIONS AT CHALCOLITHIC POLITIKO KOKKINOROTSOS, 2006

DAVID FRANKEL, JENNIFER M. WEBB

The site: previous research

The Chalcolithic site of Políthiko Kákinoretes was documented during the late 1990s by the Sydney Cyprus Survey Project (hereafter SCSP) and published as *Políthiko Kákinoretes: A Chalcolithic Site in Cyprus* (Knepp, 2001, 2002, CS 2590). It lies several kilometres west of Políthiko village, in a relatively narrow stretch of the Koufoní River valley (Figure 1). A thin, light surface material of varied density is identified on the northern end of a coastal outcrop (Plot 578, Cadastral Plan XXX/57, Green and Knepp, 2001:194–196, fig. 4.64; Figure 2). Subsequent geophysical prospecting suggested the preservation of several circular structures in the west of the plan shed scatter (Green and Knepp, 2001:194–195, 266, fig. 4.66), confirming the SCSP that the surface material was locally composed of a lag deposit deposited by slope wash from elsewhere on the hill.



Figure 2. Plan of the fields near Politika Kokkinerotos. After Cyprus Department of Lands and Survey Cadastral Plan XXX 57.

A number of factors influenced our decision. From a logistical perspective we were looking for a site which



Spatial



ACE MARK ALONIS 1995
CONTEXT FIELD RECORD

Excavation: 3.1 Date: 2007.8.1.75
Logbook page: 221.17

CONTEXT	175.4-25	SQUARE	
NO. OF CELLS		ONLY	1-25.5

INTENSITY: not recorded - discarded

STRUCTURE: 175.4-25 (see notes) - excavation from wall on - stone - some floor - post-hole 175.4-25 (see notes) - full from post-hole 175.4-25 (see notes) - 8-10cm deep - 7.5cm east of bench under wall 175.4-25 (see notes) - and 17cm north of bench under wall 175.4-25 (see notes)

DEFINITION & MODIFICATIONS: none - none - full from post-hole 175.4-25 (see notes) - 8-10cm deep - 7.5cm east of bench under wall 175.4-25 (see notes) - and 17cm north of bench under wall 175.4-25 (see notes)

COLOUR: 175.4-25 (see notes) - brown

TEXTURE: 175.4-25 (see notes) - fine, fine

STRATIGRAPHIC RELATIONSHIPS

underlies: 175.4-25 (see notes) - 175.4-25 (see notes) - 175.4-25 (see notes)

above: 175.4-25 (see notes) - 175.4-25 (see notes) - 175.4-25 (see notes)

LEVELS

A: 175.4-25 (see notes) - 175.4-25 (see notes) - 175.4-25 (see notes)

B: 175.4-25 (see notes) - 175.4-25 (see notes) - 175.4-25 (see notes)

C: 175.4-25 (see notes) - 175.4-25 (see notes) - 175.4-25 (see notes)

D: 175.4-25 (see notes) - 175.4-25 (see notes) - 175.4-25 (see notes)

Sketch plan type: 175.4-25 (see notes) - 175.4-25 (see notes) - 175.4-25 (see notes)

Scale: 1:100

Notes to section: 175.4-25 (see notes) - 175.4-25 (see notes) - 175.4-25 (see notes)

foundAdjacentTo



TEST EXCAVATIONS AT CHALCOLITHIC POLITIKO KOKKINOROTSOS, 2006

DAVID FRANKEL, JENNIFER M. WEBB

The site: previous research

The Chalcolithic site of Politiko Kokkinorotsos was documented during the late 1990s by the Sydney Cyprus Survey Project (hereafter SCSP) and published as *Politiko Phoinix* (Given and Knapp 2003:192-197, 265-266, SCY 200, CS 2907). It lies several kilometres west of Politiko village, in a relatively narrow stretch of the Koudos River valley (Figure 1). A scatter of surface material of varied density was identified on the northwestern side of one field (Plot 578, Cadastral Plan XXX/57, Given and Knapp 2003:193-194, fig. 4.64; Figure 2). Subsequent geophysical prospecting suggested the presence of some twelve circular structures southeast of the main sherd scatter (Given and Knapp 2003:194-195, 266, figs 4.65, 4.66), confirming, for the SCSP, that the surface material was probably not a lag deposit deposited by slope wash from elsewhere, as suggested by some previous site visits to the north-west and south-east of the site.



Figure 2. Plan of the fields near Politiko Kokkinorotsos. After Cyprus Department of Lands and Survey Cadastral Plan XXX/57.

A number of factors influenced our decision. From a logistical perspective we were looking for a site which

Temporal



ASD MARKER ALONGS 1995 CONTEXT FIELD RECORD		Date: <u>31 Dec 2001</u> 8:55 Logbook page <u>23/17</u>	
CONTEXT	<u>1340</u>	SQUARE	
NO OF CELLS		UNIT	<u>km²</u>

IDENTITY undisturbed DCCARD primary: 134002

STRUCTURE flat DCCARD secondary: 134002

DESCRIPTION a homogeneous, silty, sandy dark brown, mossy, hole [1340]

with 80-cm deep, 7.5-cm east of bank, low mound [1340]

and 17-cm north of bank, under soil [1340]

Map

COLOR darkish brown

TEXTURE finely

FRATRICIDAL RELATIONSHIPS

under 1340 1340 1340 1340 1340

again 1340 1340 1340 1340 1340

LEVEL 1340 1340 1340 1340 1340

A 1340 1340 1340 1340 1340

B 1340 1340 1340 1340 1340

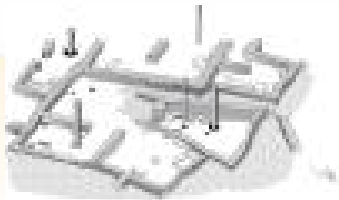
C 1340 1340 1340 1340 1340

D 1340 1340 1340 1340 1340

Map

Map

Map



isOccupationPhaseOf



I

Submitted to *Archaeologia Cypria* 2006

TEST EXCAVATIONS AT CHALCOLITHIC POLITIKO KOKKINOROTSOS, 2006

DAVID FRANKEL, JENNIFER M. WEBB

The site: previous research

The Chalcolithic site of Politiko *Kokkinouras* was documented during the late 1990s by the Sydney Cyprus Survey Project (hereafter SCSP) and published as Politiko *Panarea* (Goven and Krapp 1992:197–205, 205–207, SCSP 2000:110). It lies on a small island, 2 km from Politiko village, in a relatively narrow stretch of the Kionos River estuary (Figure 1). A scatter of surface material of varied date was identified on the northwestern side of one field (Plot 578, Cadastral Plan XXX/57, Goven and Krapp 2003:193–194, fig. 4.64, Figure 2). Subsequent geophysical prospecting suggested the presence of some twelve circular structures southeast of the main shed scatter (Goven and Krapp 2003:194–195, 206, figs 4.65, 4.66), confirming, for the SCSP that the surface material was probably not a lag deposit deposited by slope wash from elsewhere, as suggested by some previous theories of Chalcolithic site formation.



Figure 2. Plan of the fields near Politiko Kokkinerotsos. After Cyprus Department of Lands and Survey Cadastral Plan XXX 57.

A number of factors influenced our decision. From a logistical perspective we were looking for a site which

The importance of Time - 1

Period	Phase	I	II	III	IV	IX	X*	XI*	XII*	XIII	XV*	XVI*	XVII*	XVIII	XIX	XX*
Med	Med															
IA	IA															
MC II	I-1	1	1	1	1	1	1	1		1	1		1		1	
	I	2	2	2	2	2	2	2		2	2	1				
MC I	H-1					3	3		1	3 burial	3	2		1		1
	H	3	3	3	3	4	4		2	4	4				2	
	G-1					5	5		3	5	5				3 unexc	
	G					6	6			6					4	
EC III	F-1					7	7			7					5 unexc	
	F					8	8		4	8	6	3	2	2	6	2
	E-1					9	9		5	9	7	4	3			3
	E					10	10			10		5	4			4
EC I-II	D-1					11	11			11						
	D					12	12		6	12	8					
	C-1															
	C															
Philia	B-1															
	B					13	13			13		6				5
	A-1															
	A					14	14			14		7				6

The importance of Time - 2

- “The recording system is essentially the same as that used since 1992, with only a few modifications and slight variations from one season to another. There will probably be further changes in the future. These differences (the most important involve pottery recording, especially decoration) need to be borne in mind when working with material from different seasons.” Frankel and Webb, Marki Excavation Manual

Provenance



ACE MARKS ALONG 1995
CONTEXT FIELD RECORD

Excavation: 3.1 Date: 2006. 8. 15

Logbook page: 22.1.17

CONTEXT: 17.4.25 SQUARE: 17.4.25

NO. OF CELLS: 1 UNIT: 17.4.25

INTENSITY: not recorded - disturbed

STRUCTURE: 17.4.25

DEFINITION & DESCRIPTION: 17.4.25

COLOUR: 17.4.25

TEXTURE: 17.4.25

STRATIGRAPHIC RELATIONSHIPS: 17.4.25

LEVELS: 17.4.25

Sketch plan type: 17.4.25

Scale: 17.4.25

Notes: 17.4.25

isRecordedIn

TEST EXCAVATIONS AT CHALCOLITHIC POLITIKO KOKKINOROTSOS, 2006

DAVID FRANKEL, JENNIFER M. WEBB

The site: previous research

The Chalcolithic site of Politiko Kokkinorotsos was documented during the late 1990s by the Sydney Cyprus Survey Project (hereafter SCSP) and published as 'Politiko Kokkinorotsos' (Given and Knapp 2003:192-197, 265-266, SCY 200, CS 2907). It lies several kilometres west of Politiko village, in a relatively narrow stretch of the Koudos River valley (Figure 1). A scatter of surface material of varied density was identified on the northwestern side of one field (Plot 578, Cadastral Plan XXX/57, Given and Knapp 2003:193-194, fig. 4.64; Figure 2). Subsequent geophysical prospecting suggested the presence of some twelve circular structures southeast of the main sherd scatter (Given and Knapp 2003:194-195, 266, figs 4.65, 4.66), confirming, for the SCSP, that the surface material was probably not a lag deposit deposited by slope wash from elsewhere, but was more extensive than was initially assumed.



Figure 2. Plan of the fields near Politiko Kokkinorotsos. After Cyprus Department of Lands and Survey Cadastral Plan XXX/57.

A number of factors influenced our decision. From a logistical perspective we were looking for a site which



Use – Publication or Teaching



ACE MARK ALONIS 1995
CONTEXT FIELD RECORD

Excavation: 3.1 Date: 2007.8.15
Logbook page: 22.17

CONTEXT	17.4-25	SQUARE	
NO. OF CELLS		UNIT	1m x 1m

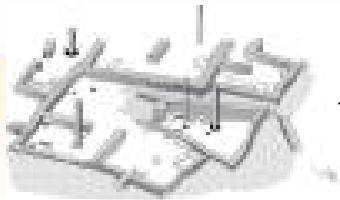
INTegrity: undisturbed / disturbed
STRUCTURE: (C) floor surface: complete from wall to wall - some floor post-hole (333) which was 8-10cm deep, 7-5cm east of bench under wall (344) and 17cm north of bench under wall (332)

COLOUR: yellowish, brown
TEXTURE: friable, fine
VOLUME: 100%

STRATIGRAPHIC RELATIONSHIPS
underlies 1213, 144, 145, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

LEVELS
A
B
C
D

Figure 2. Plan of the fields near Politiko Kokkinorotsos. After Cyprus Department of Lands and Survey Cadastral Plan XXX 35.



isPublishedIn



TEST EXCAVATIONS AT CHALCOLITHIC POLITIKO KOKKINOROTSOS, 2006

DAVID FRANKEL, JENNIFER M. WEBB

The site: previous research

The Chalcolithic site of Politiko Kokkinorotsos was documented during the late 1990s by the Sydney Cyprus Survey Project (hereafter SCSP) and published as *Politiko Phoinia* (Given and Knapp 2003:192-197, 265-266, SCY 200, CS 2907). It lies several kilometres west of Politiko village, in a relatively narrow stretch of the Koudos River valley (Figure 1). A scatter of surface material of varied density was identified on the northwestern side of one field (Plot 578, Cadastral Plan XXX/57, Given and Knapp 2003:193-194, fig. 4.64; Figure 2). Subsequent geophysical prospecting suggested the presence of some twelve circular structures southeast of the main sherd scatter (Given and Knapp 2003:194-195, 266, figs 4.65, 4.66), confirming, for the SCSP, that the surface material was probably not a lag deposit deposited by slope wash from elsewhere, but was more extensive than was in the north-east and south-east corners of the site.



Figure 2. Plan of the fields near Politiko Kokkinorotsos. After Cyprus Department of Lands and Survey Cadastral Plan XXX 35.

A number of factors influenced our decision. From a logistical perspective we were looking for a site which





Implementing in Fedora

- Fedora can have:
 - Objects – the things themselves as a datastream
 - Metadata about the objects
 - Methods of disseminating or processing the objects
 - Identifiers attached to the objects

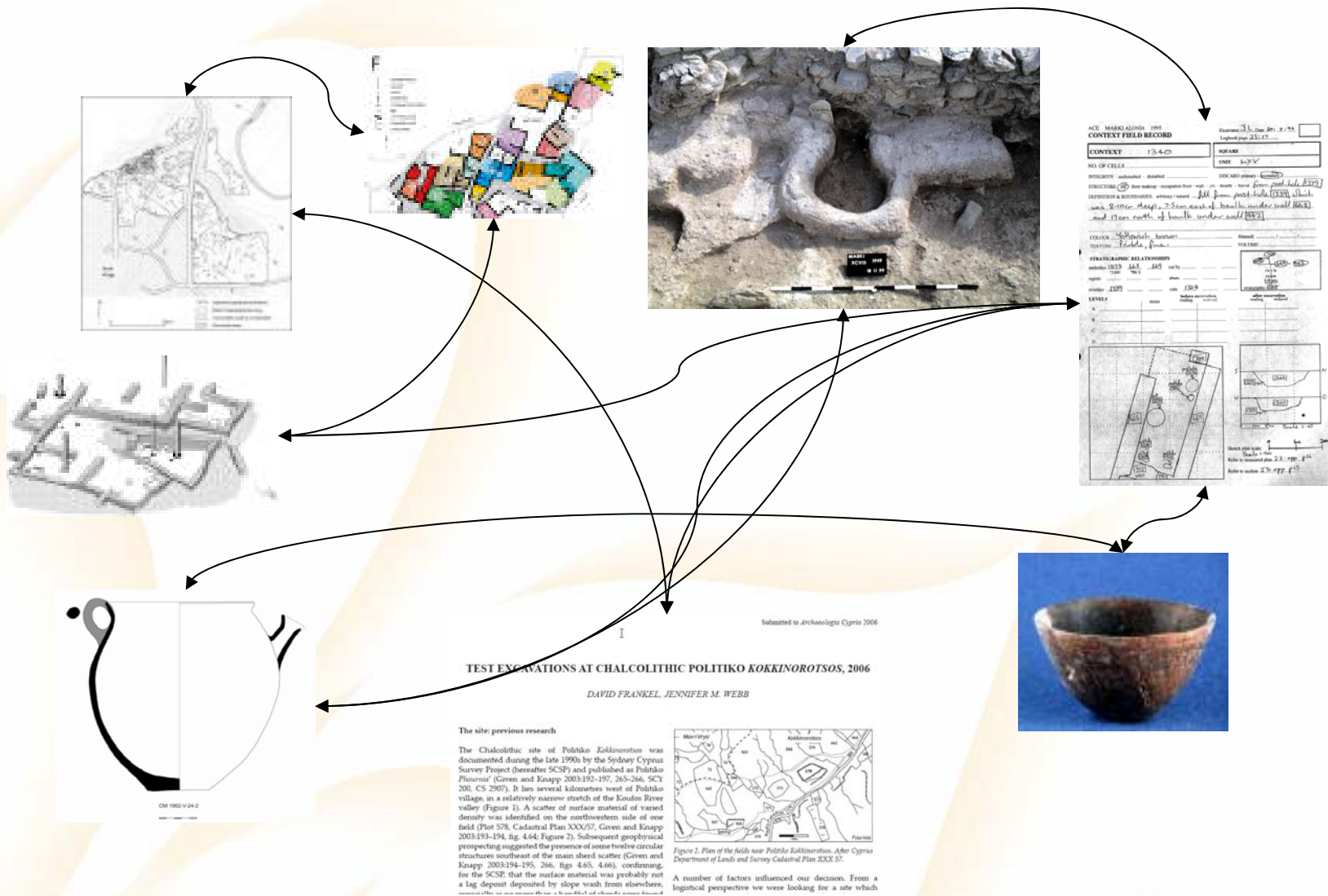
Implementing – RELS-EXT

- This is the recommended pathway
- Fedora objects have a metadata stream called RELS-EXT
- RDF
 - In this case *object* hasRelationshipWith *object*
- Triple store

RDF

- `<rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#" xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#" xmlns:fedora="info:fedora/fedora-system:def/relations-external#" xmlns:myns="http://www.nsd1.org/ontologies/relationships#">`
- `<rdf:Description rdf:about="latrobe:42">`
 - `<fedora:isMemberOfCollection rdf:resource="latrobe:16"/>`
 - `<fedora:isMemberOfCollection rdf:resource="latrobe:18"/>`
- `</rdf:Description>`
- `</rdf:RDF>`

All in a related collection



TEST EXCAVATIONS AT CHALCOLITHIC POLITIKO KOKKINOROTSO, 2006

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The site: previous research

The Chalcolithic site of Politiko Kokkinorotsos was documented during the late 1990s by the Sydney Cyprus Survey Project (hereafter SCSP) and published as *Politiko Phoinia* (Given and Knapp 2003:192-197, 265-266, SCY 200, CS 2907). It lies several kilometres west of Politiko village, in a relatively narrow stretch of the Koudos River valley (Figure 1). A scatter of surface material of varied density was identified on the northwestern side of one field (Plot 578, Cadastral Plan XXX/57, Given and Knapp 2003:194-194, fig. 4.64; Figure 2). Subsequent geophysical prospecting suggested the presence of some twelve circular structures southeast of the main sherd scatter (Given and Knapp 2003:194-195, 266, figs 4.65, 4.66), confirming, for the SCSP, that the surface material was probably not a lag deposit deposited by slope wash from elsewhere, as suggested by some previous researchers in the area (e.g. Frankel 1998:100).



Figure 2. Plan of the fields near Politiko Kokkinorotsos. After Cyprus Department of Lands and Survey Cadastral Plan XXX/57.

A number of factors influenced our decision. From a logistical perspective we were looking for a site which

Issues – Proof of the software

- We need to see a large triple store indexed and working

Issues – Data and metadata capture

- Get the objects/metadata in efficiently
 - In the field
 - Assisted post-field entry
 - FieldHelper – USydney
- Indexing efficiency

Issues - Relationships

- Create a defined set of relationships specific to the project
- Relatable where possible to existing schemes
- Expanding on the existing Fedora set - hierarchy

Issues - retrieval

- Delivery mechanisms for diverse kinds of objects
- In combination

Issues - Search

- Search both ways (reciprocal relationships)
- In particular from the whole object to its parts and from any part back to the whole
- User interface that provides rich opportunities without getting the searcher lost

Only beginning

- Many groups working simultaneously on
 - Scientific models
 - Geographical expression
 - RDF triple stores and indexes
 - Automated field entry

Issues – community development

- How do we bring together all these people working away on the various issues?

A work in progress

- Michael Wood
- Institutional Repository Manager
- La Trobe University Library
- m.wood@latrobe.edu.au