

SYSTEM FOR RECORDING AND ANALYSING ARTICULATED HUMAN SKELETAL

REMAINS

CRANIAL MEASUREMENTS

1. maximum length (g-op) _____
2. maximum breadth (eu-eu) _____
3. bizygomatic breadth (zy-zy) _____
4. basion - bregma (ba-b) _____
5. cranial base length (ba-n) _____
6. basion - prosthion (ba-pr) _____
7. maxillo-alveolar breadth (ecm-ecm) _____
8. maxillo-alveolar length (pr-alv) _____
9. biauricular breadth (au-au) _____
10. upper facial height (n-pr) _____
11. minimum frontal breadth (ft-ft) _____
12. upper facial breadth (fmt-fmt) _____

POSTCRANIAL MEASUREMENTS

- HUMERUS**
- | | | |
|---------------------------------|-------|-------|
| | Left | Right |
| 38. maximum length | _____ | _____ |
| 39. epicondylar breadth | _____ | _____ |
| 40. max. vertical diam. of head | _____ | _____ |
| 41. max. diam. at midshaft | _____ | _____ |
| 42. min. diam. at midshaft | _____ | _____ |
- RADIUS**
- | | | |
|-----------------------------------|-------|-------|
| | Left | Right |
| 43. maximum length | _____ | _____ |
| 44. sagittal diam. at midshaft | _____ | _____ |
| 45. transversal diam. at midshaft | _____ | _____ |
- ULNA**
- | | | |
|---------------------------|-------|-------|
| | Left | Right |
| 46. maximum length | _____ | _____ |
| 47. dorso-volar diameter | _____ | _____ |
| 48. transverse diameter | _____ | _____ |
| 49. physiological length | _____ | _____ |
| 50. minimum circumference | _____ | _____ |

SITE _____ GRAVE NO. _____ SEX / AGE _____ / _____

CRANIAL BONES

	Left	Right	Single
Frontal	_____	_____	_____
Parietal	_____	_____	_____
Occipital	_____	_____	_____
Temporal	_____	_____	_____
Zygomatic	_____	_____	_____
Maxilla	_____	_____	_____
Palatine	_____	_____	_____
Mandible	_____	_____	_____
Hyoid	_____	_____	_____

POSTCRANIAL BONES

	Left	Right	Single
Sternum	_____	_____	_____

SITE _____ GRAVE NO. _____ SEX / AGE _____ / _____

	MAXILLA																									
	RIGHT												LEFT													
	DI ₁	DI ₂	DC	DM ₁	DM ₂	I ₁	I ₂	C	P ₁	P ₂	M ₁	M ₂	M ₃	DI ₁	DI ₂	DC	DM ₁	DM ₂	I ₁	I ₂	C	P ₁	P ₂	M ₁	M ₂	M ₃
CARIES																										
Occlusal																										
Buccal																										
Lingual																										
Interproximal																										
Root (CEJ)																										
Alveolar abscess																										
Calculus																										
Alv. Resorption																										
Dental Wear																										

	MANDIBLE																									
	RIGHT												LEFT													
	DI ₁	DI ₂	DC	DM ₁	DM ₂	I ₁	I ₂	C	P ₁	P ₂	M ₁	M ₂	M ₃	DI ₁	DI ₂	DC	DM ₁	DM ₂	I ₁	I ₂	C	P ₁	P ₂	M ₁	M ₂	M ₃
CARIES																										
Occlusal																										
Buccal																										
Lingual																										
Interproximal																										
Root (CEJ)																										
Alveolar abscess																										
Calculus																										
Alv. Resorption																										
Dental Wear																										

LEH - maxillar I₁ _____ maxillar C _____ mandibular C _____




Dinko Tresić Pavičić
Kaducej Ltd.
dtresic@gmail.com

dr. sc. Željka Bedić
Antropološki centar HAZU
zbedic@hazu.hr

dr. sc. Filomena Sirovica
Arheološki muzej u Zagrebu
fsirovica@amz.hr

ARCHAEOLOGICAL DATA

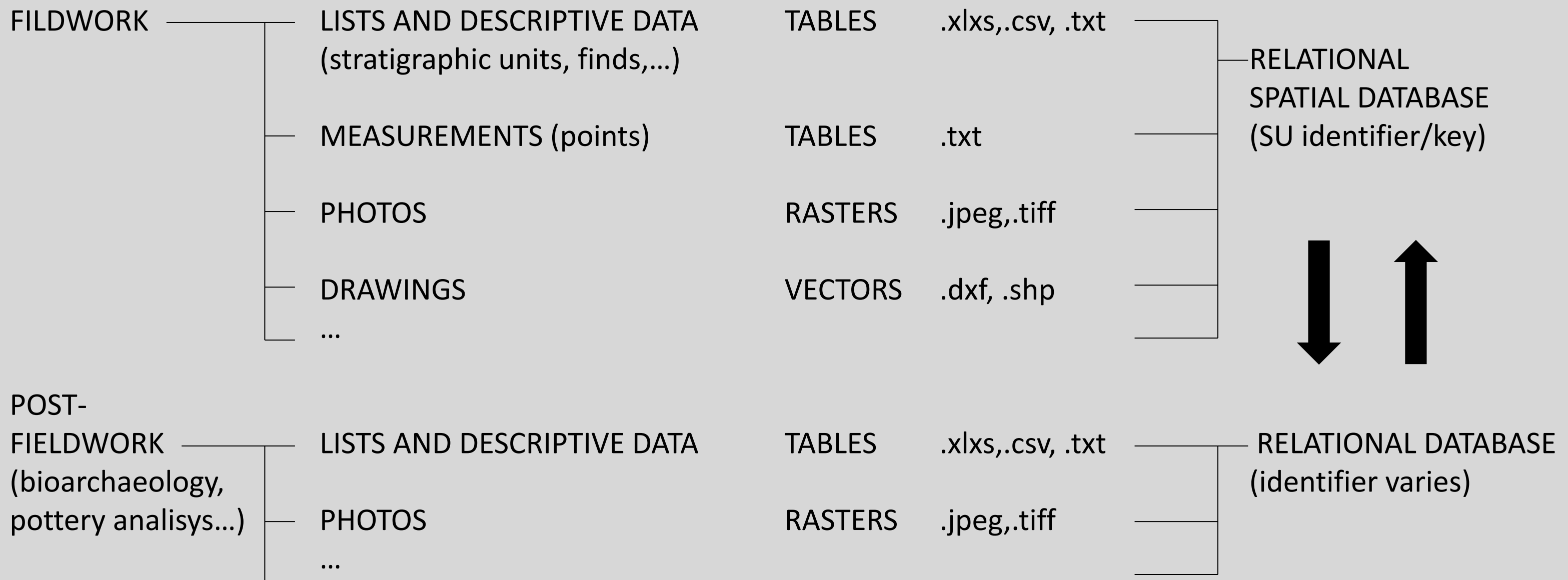
- DESCRIPTIVE FORM OF ARCHAEOLOGICAL DATA – NOT SUITABLE FOR TABLE DATA STRUCTURE
- DIVERSITY OF DATA TYPES AND FILE FORMATS – REQUIRES DIFFERENT SOFTWARE SOLUTIONS
- EVOLVING METHODS AND TECHNOLOGICAL SOLUTIONS – CANNOT BE PREDICTED IN ADVANCE

ARCHAEOLOGY	ARCHAEOLOGICAL DATA	TIME	DATABASE PROBLEMS
FIELDWORK	DATABASE  	YEARS? 	MANEGEMENT EASE OF ACCESS FOR NON-DATABASE USERS (different researchers different computer skills, hardware and software)
POST-FIELDWORK	DATABASE	DECADES?	FUTURE COMPATIBILITY

DESIGNING COMPREHENSIVE ARCHEOLOGICAL DATABASE (in one software solution) DOESN'T MAKE SENSE!

ARCHEOLOGICAL DATABASE

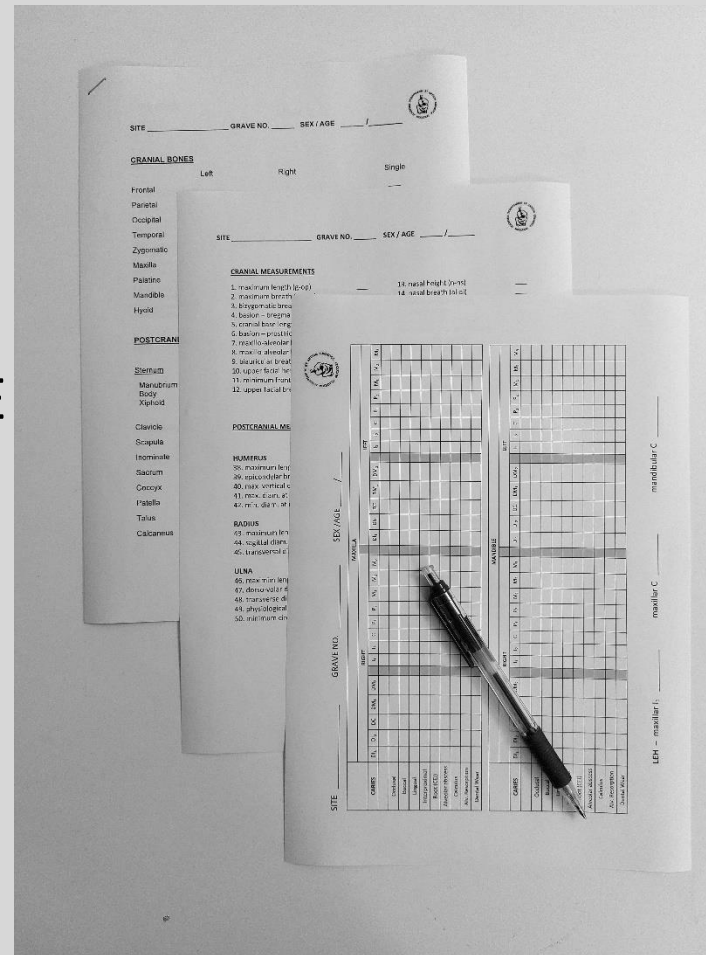
- FORMATED DATA PREPERED FOR IMPORT IN ANY DATABASE SOFTWARE AT ANY TIME
- RELATIONAL DATABASE IN COMMON FILE FORMATS
- OPEN STRUCTURE FOR ADDING NEW DATA



SYSTEM FOR RECORDING AND ANALYSING ARTICULATED HUMAN SKELETAL REMAINS

GOALS:

- DIGITAL, FORMATED TABLE DATA - ACCESSIBLE ON THE FLY
- COMMON SOFTWARE
- EASE OF INPUT, ACCESS AND ANALYSIS
- COMPATIBILITY WITH FIELDWORK DATABASE
- FUTURE PROOF FILE TYPES?



G_SITE	G_SU	G_GR	G_SA	G_SE	G_KV	G_DATE	I_OBS	I_DATE	I_INT	I_STA	IC_C	IC_L_PR	IC_R_PR	IC_L
GORA	434	100		470 ISTOK	A16	14.4.2009	ŽB SK		0	0	2	0	0	0
GORA	449	102		462 ISTOK	A16	15.4.2009	ŽB SK		0	0	1	2	2	2
GORA	452	103		466 SJEVER	A28	15.4.2009	ŽB	23.11.2020	0	0	0	0	0	0
GORA	456	104		467 JUG	A1	15.4.2009	ŽB SK		0	0	0	0	0	0
GORA	457	105		463 JUG	A11	15.4.2009	ŽB SK		0	0	1	1	1	1
GORA	461	106		459 SJEVER	A29	15.4.2009	ŽB	23.11.2020	0	0	1	1	1	1
GORA	468	107		491 ISTOK	A16	16.4.2009	ŽB	23.11.2020	0	0	1	0	0	0
GORA	471	108		492 JUG	A1	16.4.2009	0		0	0	2	0	0	0
GORA	475	109		488 ISTOK	A16	16.4.2009	ŽB SK		0	0	0	0	0	0
GORA	477	110	503 504 5605 506	SJEVER	A29/30	16.4.2009	0		0	0	1	2	2	2
GORA	491	114		511 SJEVER	A20/21	16.4.2009	ŽB SK		0	0	1	1	1	1
GORA	513	118		525 ISTOK	A18	17.4.2009	ŽB	30.11.2020	0	0	1	2	2	2
GORA	519	119		529 ISTOK	A14/15	17.4.2009	ŽB	24.11.2020	0	0	1	1	1	1
GORA	521	120		524 SJEVER	A27	17.4.2009	ŽB	25.11.2020	0	0	0	0	0	0
GORA	526	121		541 JUG	A2	18.4.2009	ŽB	8.12.2020	0	0	0	0	0	0
GORA	530	122		540 SJEVER	A27	18.4.2009	ŽB	23.11.2020	0	0	0	0	0	0
GORA	532	123		539 ISTOK	A17	18.4.2009	ŽB SK		0	0	1	1	1	1
GORA	536	124		551 JUG	A11	18.4.2009	0		0	0	0	0	0	0
GORA	538	125		538 ISTOK	A14	20.4.2009	ŽB	24.11.2020	0	0	1	1	1	1
GORA	543	126		544 SJEVER	A27	20.4.2009	ŽB	30.11.2020	0	0	0	2	2	2
GORA	545	127		543 SJEVER	A27	20.4.2009	ŽB	23.11.2020	0	0	0	0	0	0
GORA	551	128		550 JUG	A2	20.4.2009	ŽB SK		0	0	0	0	0	0
GORA	42	12		51 JUG	A4	11.4.2008	ŽB SK		0	0	1	1	1	1
GORA	559	130		556 SJEVER	A31	20.4.2009	ŽB	23.11.2020	0	0	1	2	2	2
GORA	568	131		570 SJEVER	A31	22.4.2009	ŽB	23.11.2020	0	0	0	0	0	0
GORA	572	132		573 SJEVER	A20/21	22.4.2009	ŽB SK		0	0	1	0	2	2
GORA	577	133		576 ISTOK/JUG	A10	22.4.2009	ŽB	23.11.2020	0	0	1	2	2	2
GORA	579	134		566 JUG	A2	22.4.2009	ŽB	8.12.2020	0	0	0	0	0	0
GORA	581	135		568 SJEVER	A22/23	22.4.2009	ŽB	8.12.2020	0	0	1	1	1	1
GORA	586	136		587 ISTOK	A18	22.4.2009	ŽB	25.11.2020	0	0	0	0	0	0
GORA	590	137		582 ISTOK	A16	22.4.2009	ŽB SK		0	0	1	1	1	1
GORA	592	138		574 SJEVER	A28	22.4.2009	ŽB SK		0	0	1	1	1	1
GORA	45	13		62 ISTOK	A15	11.5.2008	ŽB SK		0	0	1	2	0	0
GORA	599	140		600 SJEVER	A29/30	22.4.2009	ŽB SK		0	0	1	1	1	1
GORA	601	141		599 SJEVER	A31	23.4.2009	ŽB	25.11.2020	0	0	0	0	0	0
GORA	603	142		608 ISTOK/JUG	A10	23.4.2009	ŽB SK		0	0	0	0	0	0
GORA	612	145		605 ISTOK	A18	23.4.2009	ŽB SK		0	0	0	0	0	0
GORA	617	146		616 JUG	A1	24.4.2009	ŽB SK		0	0	1	2	1	1
GORA	630	148	637 638	JUG	A11	25.4.2009	ŽB SK		0	0	1	1	1	1
GORA	633	149		611 SJEVER	A30	24.4.2009	ŽB SK		0	0	1	2	2	2

SOLUTION: MICROSOFT EXCELL

- simple, fast, common
- easiest input tool among non-database users
- powerful tools for analysing data
- adequate for the amount of data at hand
- possibility to store digital data in .csv or delimited .txt files
- possibility to print worksheets with data on paper

LIST OF FIELDS IN TABLE

CATEGORIES: GENERAL (8), INVENTORY (161), SEX (13), AGE (8), MEASUREMENTS (102), TEETH (487), PATHOLOGIES (44)

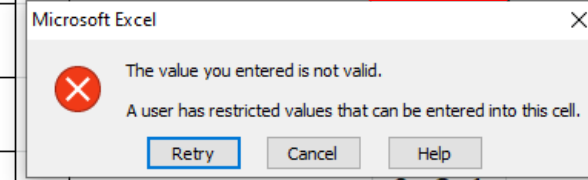
ID	EXCEL COLUMN POSITION	CATEGORY_1 NAME	CATEGORY_2 NAME	CATEGORY ABBREVIATION	SUBCATEGORY NAME	PREFIX	SUBCATEGORY ABBREVIATION	SUFFIX	CODE
1	A	GENERAL		G	site name		SITE		G_SITE
2	B	GENERAL		G	stratigraphic unit NO.		SU		G_SU
3	C	GENERAL		G	grave NO.		GR		G_GR
4	D	GENERAL		G	sample NO.		SA		G_SA
5	E	GENERAL		G	sector		SE		G_SE
6	F	GENERAL		G	quadrant		QU		G_QU
7	G	GENERAL		G	date		DATE		G_DATE
8	H	GENERAL		G	SITE COMMENTS		COMM		G_COMM
9	I	INVENTORY		I	observer		OBS		I_OBS
10	J	INVENTORY		I	date		DATE		I_DATE
11	K	INVENTORY		I	intrusive		INT		I_INT
12	L	INVENTORY		I	stained		STA		I_STA
13	M	INVENTORY	CRANIUM	IC	COMPLETENESS OF CRANIUM	C			IC_C
14	N	INVENTORY	CRANIUM	IC	parietal	L	PR		IC_L_PR
15	O	INVENTORY	CRANIUM	IC	parietal	R	PR		IC_R_PR
16	P	INVENTORY	CRANIUM	IC	temporal	L	TE		IC_L_TE
17	Q	INVENTORY	CRANIUM	IC	temporal	R	TE		IC_R_TE
810	AEE	PATHOLOGIES	CRIBRA_O	PC	Orbit (OR)	L	OR	T	PC_L_OR_T
814	AEH	PATHOLOGIES	CRIBRA_O	PC	Orbit (OR)	R	OR	T	PC_R_OR_T
815	AEI	PATHOLOGIES	ECTOCRANIAL_H	PE	Cranium (IC)	S	IC	P	PE_P_IC_P
816	AEJ	PATHOLOGIES	LEH	PH	PRESENCE	C		P	PH_C_P
817	AEK	PATHOLOGIES	SYPHILIS	PS	PRESENCE	C		P	PS_C_P
818	AEL	PATHOLOGIES	TBC	PT	PRESENCE	C		P	PT_C_P
819	AEM	PATHOLOGIES	LEPROCY	PL	PRESENCE	C		P	PL_C_P
820	AEN	PATHOLOGIES	RICKETS	PR	PRESENCE	C		P	PR_C_P
821	AEO	PATHOLOGIES	SCURVY	PK	PRESENCE	C		P	PK_C_P
822	AEP	PATHOLOGIES	OTHER	PO	PRESENCE	C		P	PO_C_P
823	AEQ	PATHOLOGIES		P	PATHOLOGIES COMMENTS		COMM		P_COMM

FORMS - DESIGN

- FACILITATING INPUT OF DATA
- WORKSHEETS ARE PROTECTED
 - cells can't be reformatted or deleted
 - the default cell content can't be edited
 - modifications are allowed only for input cells
 - only assigned values are allowed
 - comma is not allowed – .csv export

1	A	B	C	D	E	F	G	H	I	J	K	L	M
1	GENERAL (G)												
2	SITE		SU	GRAVE	SAMPLE			SECTOR			QU	DATE	
3	GORA		1745	379	1684 1685 1686			SAKRISTUA				10.11.2010	
4	G COMMENTS												
5	TRAGOVI OKSIDACIJE METALA NA PROX LUEVOM FEMURU - OBJE TIBUE - DESNOM 11. REBRU - T11-12												
6	CRANIUM				S	Co1	POSTCRANIUM (IP_C	1			INVENTORY (I)		
7	CRANIUM				C1	1					OBSERVER		
8	Parietal (P				C2	1	TRUNK (IT)	S	No		2B		
9	Temporal				C3	1	Cervical (CV)	6			DATE		
10	Nasal (NA				C4		Thoracic (TV)	12			8.1.2021		
11	Maxilla (M				C5	1	Lumbar (LV)	5			INTRUSIVE No		
12	Palatine (PL)	1	1		C6	1	LEFT_Ribs (RB)	12					
13	Zygomatic (ZY)	1	1		C7	1	RIGHT_Ribs (RB)	10			STAINED No		
14	Mandible (MN)	1			T1	1	UNSIDED_Ribs (RB)				6		
15	Orbit (OR)	1	1		T2	1		S	Co1				
16	TJS (TM_J)	1	1		T3	1	Sacrum (SA)						
17	Frontal (FR)	1			T4	1	Coccyx (CO)						
18	Occipital (OC)	1			T5	1	Sternum_b (ST)	1					
19	Sphenoid (SP)				T6	1	_manubrium (SM)	1					
20	Hyoid (HY)				T7	1	_xiphoid (SX)						
21	Thyroid (TH)				T8	1	LOWER LIMB (IL)	L	Co1	R			
22	UPPER LIMB (IU)	L	Co1	R	T9	1	Hip_body (HP)	1	1				
23	Scapula_b (SC)	1	1		T10	1	_acetabulum (HA_J)	1	1				
24	_glenoid (SG_J)	1	1		T11	1	Patella (PA)		1				
25	Clavicle_med (CL_M)	1	1		T12	1	Talus (TA)	1	1				
26	Clavicle_lat (CL_L)	1	1		L1	1	Calcaneus (CA)	1	1				
27		L	No	R	No	U		L	No	R	No	U	
28	Carpal (CR)				L3	1	Tarsal (TR)	4	4	1			
29	Metacarpals (MC)	5	5		L4	1	Metatarsals (MT)	4	4				
30	Phalanges (PH)				L5	1	Phalanges (PH)						
31	LEFT Co1	PJ	P_1/3	M_1/3	D_1/3	DJ	LEFT Co1	PJ	P_1/3	M_1/3	D_1/3	DJ	
32	Humerus (HU)	1	1	1	1	1	Femur (FE)	1	1	1	1	1	
33	Radius (RA)	1	1	1	1	1	Tibia (TI)	1	1	1	1	1	
34	Ulna (UL)	1	1	1	1		Fibula (FI)		1	1	1	1	
35	RIGHT Co1						RIGHT Co1						
36	Humerus (HU)	1	1	1	1	1	Femur (FE)	1	1	1	1	2	
37	Radius (RA)	1	1	1	1	1	Tibia (TI)	1	1	1	1	1	
38	Ulna (UL)	1	1	1	1		Fibula (FI)	1	1	1	1	1	
39	I COMMENTS												
40													

CRANIUM (IC)	L/S	Co1	R		C1	1			
Parietal (PR)	1	1			C2	1	TRUNK (IT)	S	No
Temporal (TE)	2	1			C3	1	Cervical (CV)	6	
Nasal (NA)	1	1			C4		Thoracic (TV)	12	
Maxilla (MX)	1	1			C5	1	Lumbar (LV)	5	
Palatine (PL)	0	1	1		C6	1	LEFT_Ribs (RB)	13	
Zygomatic (ZY)	1	1			C7	1			
Mandible (MN)	1				T1	1			
Orbit (OR)	1	1			T2	1			S
TJS (TM_J)	1	1			T3	1	Sacrum (SA)		
Frontal (FR)	1				T4	1	Coccyx (CO)		
Occipital (OC)	1				T5	1	Sternum_b (ST)	1	
Sphenoid (SP)					T6	1	_manubrium (SM)	1	
Hyoid (HY)					T7	1	_xiphoid (SX)		



SITE	SU	GRAVE	SAMPLE	SECTOR	QU	DATE
GORA	1745	379	1684 1685 1686	SAKRISTIJA		10.11.2010

G_COMMENTS

TRAGOVI OKSIDACIJE METALA NA PROX LIJEVOM FEMURU - OBJE TIBIJE - DESNOM 11. REBRU - T11-12

CRANIUM (IC_C) Co1	1		S Co1		POSTCRANIUM (IP_C)	1		INVENTORY (I)				
CRANIUM (IC)	L/S Co1 R		C1		1		OBSERVER					
Parietal (PR)	1	1	C2		1		ŽB					
Temporal (TE)	2	1	C3		1		DATE					
Nasal (NA)	1	1	C4				8.1.2021					
Maxilla (MX)	1	1	C5		1		INTRUSIVE No					
Palatine (PL)	1	1	C6		1							
Zygomatic (ZY)	1	1	C7		1		STAINED No					
Mandible (MN)	1		T1		1		6					
Orbit (OR)	1	1	T2		1							
TJS (TM_J)	1	1	T3		1							
Frontal (FR)	1		T4		1							
Occipital (OC)	1		T5		1							
Sphenoid (SP)			T6		1							
Hyoid (HY)			T7		1							
Thyroid (TH)			T8		1							
UPPER LIMB (IU)	L Co1 R		T9		1							
Scapula_b (SC)	1	1	T10		1							
_glenoid (SG_J)	1	1	T11		1							
Clavicle_med (CL_M)	1	1	T12		1							
Clavicle_lat (CL_L)	1	1	L1		1							
	L No R No U		L2		1							
Carpal (CR)			L3		1							
Metacarpals (MC)	5	5	L4		1							
Phalanges (PH)			L5		1							
LEFT Co1	PJ	P_1/3	M_1/3	D_1/3	DJ							
Humerus (HU)	1	1	1	1	1							
Radius (RA)	1	1	1	1	1							
Ulna (UL)	1	1	1	1								
RIGHT Co1												
Humerus (HU)	1	1	1	1	1							
Radius (RA)	1	1	1	1	1							
Ulna (UL)	1	1	1	1								
TRUNK (IT)	S No		S Co1									
Cervical (CV)	6											
Thoracic (TV)	12											
Lumbar (LV)	5											
LEFT_Ribs (RB)	12											
RIGHT_Ribs (RB)	10											
UNSIDED_Ribs (RB)												
Sacrum (SA)												
Coccyx (CO)												
Sternum_b (ST)	1											
_manubrium (SM)	1											
_xiphoid (SX)												
LOWER LIMB (IL)	L Co1 R		L No R No U									
Hip_body (HP)	1	1	L No R No U									
_acetabulum (HA_J)	1	1	4 4 1									
Patella (PA)		1	4 4									
Talus (TA)	1	1										
Calcaneus (CA)	1	1										
Tarsal (TR)	4	4	1									
Metatarsals (MT)	4	4										
Phalanges (PH)												
LEFT Co1	PJ	P_1/3	M_1/3	D_1/3	DJ							
Femur (FE)	1	1	1	1	1							
Tibia (TI)	1	1	1	1	1							
Fibula (FI)		1	1	1	1							
RIGHT Co1												
Femur (FE)	1	1	1	1	2							
Tibia (TI)	1	1	1	1	1							
Fibula (FI)	1	1	1	1	1							

I_COMMENTS

INVENTORY FORM

CODES

1. COMPLETENESS (I_FORM)

- | | |
|---|---|
| 0 | Not observable - bone missing, or fragments without diagnostical elements |
| 1 | Preserved, diagnostic elements present |
| 2 | Preserved, diagnostic elements absent |

GENERAL (G)

SITE	SU	GRAVE	SAMPLE	SECTOR	QU	DATE
GORA	1745	379	1684 1685 1686	SAKRISTIJA	0	10.11.2010

SEX-AGE

OBSERVER (S_OBS) DATE (S_DATE)

SEX (S)

HIP (H)

	Co	A	CRANIUM (C)	Co	S/A
Ventral arc (VA)	Co2	<input type="text"/>	Nuchal crest (NC)	Co7	<input type="text" value="2"/>
Subpubic concavity (SC)	Co3	<input type="text"/>	Mastoid process (MP)	Co7	<input type="text" value="2"/>
Ischiopubic ramus ridge (IR)	Co4	<input type="text"/>	Supra-orbital margin (OM)	Co7	<input type="text" value="4"/>
Greater sciatic notch (SN)	Co5	<input type="text" value="1"/>	Supra-orbital ridge (OR)	Co7	<input type="text" value="4"/>
Preauricular sulcus (PS)	Co6	<input type="text" value="0"/>	Mental eminence (ME)	Co7	<input type="text" value="3"/>

SEX CATEGORY (SC) Co8

S_COMMENTS

AGE (A)

HIP (H) CRANIUM (C)

	Co	miN	maX	AGE CATEGORY (AC) Co12
Pubic symphysis (Suchey-Brooks) (PS)	Co9	<input type="text"/>	<input type="text" value="40"/>	<input type="text" value="AM"/>
Auricular surface (AS)	Co10	<input type="text" value="6"/>	<input type="text" value="50"/>	
Cranial suture closure (CC)	Co11	<input type="text"/>		

A_COMMENTS

SEX AND AGE FORM

CODES

8. SEX CATEGORY (S_FORM)

- M Male
- F Female
- S Subadult
- MP Probable male
- FP Probable female
- U Unambiguous sex

12. AGE CATEGORY (A_FORM)

- F Fetal - do 0
- I Infants - 0 do 1
- C Children - 2 do 11
- D Adolescents - 12 do 18
- AY Young Adults - 19 do 35
- AM Middle Adults - 35 do 50
- AO Old Adults - 50 do 99
- S Subadults
- A Adults

MEASUREMENTS FORM

GENERAL (G)

SITE	SU	GRAVE	SAMPLE	SECTOR	QU	DATE
GORA	1745	379	1684 1685 1686	SAKRISTIJA	0	10.11.2010

MEASUREMENTS (M)

OBSERVER			
DATE			
AGE calc	Y	M	SEX calc

CRANIAL (MC) S mm

Maximum Cranial Length	GOL	g-op	
Maximum Cranial Breadth	XCB	eu-eu	
Bizygomatic Breadth	ZYB	zy-zy	
Basion-Bregma Height	BBH	ba-b	
Cranial Base Length	BNL	ba-n	
Basion-Prosthion Length	BPL	ba-pr	
Maxillo-Alveolar Breadth	MAB	ecm-ecm	
Maxillo-Alveolar Length	MAL	pr-alv	
Biauricular Breadth	AUB	ra-ra	
Nasion-Prosthion Height	NPH	n-pr	
Minimum Frontal Breadth	WFB	ft-ft	
Upper Facial Breadth	UFB	fmt-fmt	
Nasal Height	NLH	n-ns	
Nasal Breadth	NLB	al-al	
Orbital Breadth	OBB	d-ec	
Orbital Height	OBH		
Biorbital Breadth	EKB	ec-ec	
Interorbital Breadth	DKB	d-d	
Frontal Chord	FRC	n-b	
Parietal Chord	PAC	b-l	
Occipital Chord	OCC	l-o	
Foramen Magnum Length	FOL	ba-o	
Foramen Magnum Breadth	FOB		
Mastoid Height	MDH		

MEASUREMENT HEIGHT calc

		L	cm	R
(MH) HIGHT HUMERUS	HU	169,626		0
HIGHT RADIUS	RA	176,912	177,668	
HIGHT ULNA	UL	0	0	
HIGHT FEMUR	FE	178,268	0	
HIGHT TIBIA	TI	176,9	177,404	
HIGHT FIBULA	FI	0	0	
HIGHT FEMUR & TIBIA	FT	177,82	0	

UPPER LIMB (MU)

		L	mm	R
HUMERUS				
Maximum Length	HXL	322		
Epicondylar Breadth	HEB			
Maximum Vertical Diameter of the Head	HXH			
Maximum Diameter at Midshaft	HXM			
Minimum Diameter at Midshaft	HNM			
RADIUS				
Maximum Length	RXL	259	261	
Maximum Diameter at Midshaft	RXM			
Minimum Diameter at Midshaft	RNM			
Maximum Diameter of the Head	RXH			
ULNA				
Maximum Length	UXL			
Maximum Midshaft Diameter	UXM			
Minimum Midshaft Diameter	UNM			
Physiological Length	UPL			
Minimum Circumference	UNC			

LOWER LIMB (ML)

		L	mm	R
FEMUR				
Maximum Length	FXL	491		
Bicondylar Length	FBL			
Epicondylar Breadth	FEB			
Maximum Diameter of the Head	FXH			
Transverse Subtrochanteric Diameter	FTS			
Anterio-posterior Subtrochanteric Diameter	FAS			
Maximum Midshaft Diameter	FXM			
Minimum Midshaft Diameter	FNM			
Circumference at Midshaft	FCM			
TIBIA				
Length	TXL	390	392	
Maximum Proximal Epiphyseal Breadth	TXP			
Distal Epiphyseal Breadth	TEB			
Maximum Midshaft Diameter	TXM			
Minimum Midshaft Diameter	TNM			
Circumference at the Midshaft	TCM			
FIBULA				
Maximum Length	BXL			
Maximum Diameter at Midshaft	BXM			

- HEIGHT CALCULATION – automatic with Trotter-Gleser formula

TEETH FORM

ARTICULATED HUMAN SKELETAL REMAINS RECORDING SHEET 4/5

TEETH

GENERAL (G)

SITE	SU	GRAVE	SAMPLE	SECTOR	QU	DATE
GORA	1745	379	1684 1685 1686	SAKRISTIJA	0	10.11.2010

TEETH (T)

OBSERVER	DATE

MAXILLA (X)

LEFT

	I1	I2	C	P1	P2	M1	M2	M3	DI1	DI2	DC	DM1	DM2
STATUS (S) Co13	2	2	2	2	4	4	3						
OCCLUSAL (O) Co14													
BUCCAL (B)													
LINGUAL (L)													
INTERPROXIMAL (I)													
ROOT_CEJ (R)													
AL_ABSCESS (A) Co15					4	4	4						
CALCULUS (C) Co16	0	1	1	1									
RESORPTION (E) Co17		0	0										
WEAR (W) Co18	4	4	3	3					1	2	3	1	2

RIGHT

	DI1	DI2	DC	DM1	DM2	I1	I2	C	P1	P2	M1	M2	M3
S						2	2	2	2	2	3	3	2
O										4			
B													3
L													
I													
R													
A											4	4	2
C	1	1	1	1									
E	0	0	0	0									
W	4	4	4	5									5

LEH PRESENT on X or N (PH_P) Co0

1

Crown

92			90										
66	46		51	22									

Distance

MANDIBLE (N)

LEFT

	I1	I2	C	P1	P2	M1	M2	M3	DI1	DI2	DC	DM1	DM2
STATUS (S) Co13	2	2	2	2	2	2	2	2					
OCCLUSAL (O) Co14													
BUCCAL (B)								2					
LINGUAL (L)													
INTERPROXIMAL (I)													
ROOT_CEJ (R)													
AL_ABSCESS (A) Co15													
CALCULUS (C) Co16	1	1	1	1	1	2	1	1					
RESORPTION (E) Co17	0	0	0	0	0	0	0	0					
WEAR (W) Co18	5	4	3	3	3	4	4	4	1	2	3		

RIGHT

	DI1	DI2	DC	DM1	DM2	I1	I2	C	P1	P2	M1	M2	M3
S						2	2	2	2	2	4	2	2
O													
B													
L													
I												2	
R													
A													
C	1	1	1	1	1	1	1	1	1	1	1	1	1
E	0	0	0	0	0								0
W	5	4	3	3	3							6	5

Crown

Distance

T_COMMENTS

GENERAL (G)

SITE	SU	GRAVE	SAMPLE	SECTOR	QU	DATE
GORA	1745	379	1684 1685 1686	SAKRISTIJA	0	10.11.2010

FRACTURES (F)

OBSERVER (P_OBS) DATE (P_DATE)

	No	Side_Bone Co 19
ANTEMORTEM (A)	<input type="text"/>	<input type="text"/>
PERIMORTEM (P)	<input type="text"/>	<input type="text"/>
POSSIBLE FRACTURES (S)	2	L_FB-L_TE

PF_COMMENTS

1-VIDI OPIS DOLJE ZA NOSNE CONHE-2-VRLO SUMNJIVO IZGLEDA- VIŠE FRAGMENTA PRAVILNIH RUBOVA ISTE BOJE KAO OKOLNA KOST- NAŽALOST LOŠE SAČUVAN TAJ DIO LUBANJE- OSOBITO NA OCCIPITALNOM DIJELU GDJE SU RUBOVI ZAGLAĐENI IZGLEDAJU KAO DA SU BILI U VODI ILI NEŠTO SLIČNO- MOGUĆE JE RIJEČ O BLUNT FORCE TRAUMI ILI PROJEKTILU-NA JEDNOM DIJELU KOSTI S ENDOKRANIJALNE STRANE PRISUTAN JE LIJEVAK

OSTEOARTHRITIS (A) Co0	Presence			Completeness		Presence Co0	
	no	No		L	R	L	R
Cervical (CV)	6	3	Shoulder (JS)	1	1	1	1
Thoracic (TV)	12	2	Elbow (JE)	1	1	9	1
Lumbar (LV)	5		Hip (JH)	1	1	9	1
			Knees (JK)	1	1	1	1

SCHMORLS DEFECT (D)	Presence			completeness	Type Co20
	no	No			
Thoracic (TV)	12	6	Cranium (IC)	1	9
Lumbar (LV)	5	1	Postcranium (IP)	1	2

CRIBRA ORBITALIA (C)	completeness		Type Co20		ECTOCRANIAL_H (E)	completeness	Presence Co0
	L	R	L	R			
Orbit (OR)	1	1	9	9	Cranium (IC)	1	1

Presence Co0							
LEH (H)	1	SYPHILIS (S)	<input type="text"/>	TBC (T)	<input type="text"/>	LEPROCY (L)	<input type="text"/>
RICKETS (R)	<input type="text"/>	SCURVY (K)	<input type="text"/>	OTHER (O)	<input type="text"/>		

P_COMMENTS

DESNA NOSNA CONHA JE NIŽA ZA CCA 5 MM OD LIJEVE- BLAGO RESORBIRANA I PROŠIRENA ZA 5 MM OD LIJEVE (15 NAPRAMA 10 MM)- PRISUTNA JE LEZIJA 7×7 MM ZAOBLJENIH JE RUBOVA- NA LIJEVOJ ISTO PRISUTNA UDUBLJENA U OBLIKU TANKIH LINIJA- LEZIJA PRISUTNA I NA CENTRALNOM DIJELU MAXILLE (SPINA NASALIS ANTERIOR) DIM 5×2 MM-BLAGI POROZITET PRISUTAN NA DNU NOSNOG TVORA/MAXILLE- A JAKI NA PALATINU-BLAGI OA NA OBA TMJ-LOKALIZIRANI UPALNI PROCES SA ZADEBLJANJEM KORTEXA I BLAGIM ZARASLIM PERIOSTITISOM PRISUTAN JE NA LIJEVOJ TIBIJI (PROX TREĆINA DIJAFIZE) I DESNOJ ULNI (SREDNJA TREĆINA DIJAFIZE)-BLAGI ZARASLI PERIOSTITIS NA FIBULAMA-UPALNI PROCES U OBLIKU RESORBIRANE I REMODELIRANE KOSTI S POROZITETOM PRISUTNA JE NA PERIARTIKULARNOM DIJELU OBA RAMENA (OSOBITO DESNI ACROMION I LATERALNA CLAVICULA)- DESNOM LAKTU (DIST HUMERUS I PROX ULNA)- NA MANUBRIUMU I STERNUMU- NA ILIAC CRESTU LIJEVE ZDJELICE DIM 15×13 MM- NA LIJEVOM STOPALU (BLAGO NA NAVICULARNOJ- 1. I 3. KLINASTOJ KOSTI- 2.MT- UMJERENO NA 1. I 5. MT- JAKO NA CUBOIDU I 4. MT KOSTI- NA PROX ZGL PLOHI LIJEVOG HALUXA PRISUTNE SU SITNE LINIJE FX I UTISNUTA KOST- LIJEVOJ ŠAKI (JAKO NA CAPITATU I 3.MC KOSTI)-NA GLAVAMA FEMURA PRISUTNA POLUMJESEČASTA UDUBLJENJA CCA 12 MM SUP OD FOVEA CAPITIS- DIMENZIJA 20×9 NA LIJEVOM I 22×8MM-NA LAT CONDILU DESNOG FEMURA PRISUTNO JE NERAVNO PODRUČJE DIM 36×22 MM KOJE U INF DIJELU IMA LEZIJU POROZNOG DNA DIM 16×13MM I PODSJEĆA NA OSTECH DISSECANS-NA LAT CONDILU LIJEVE TIBIJE TAKOĐER JW PRISUTNO NERAVNO PODRUČJE DIM 19×15MM (PODSJEĆA NA KRANJSKI SINDROM)-NA FRAGMENTU REBRA S PLEURALNE STRANE PRISUTNA JE LITIČKA LEZIJA OŠTRIJE RUBOVA DIM 5×4 MM

PATHOLOGIES FORM

LAST WORKSHEET IN A WORKBOOK – TABLE DATA

	A	B	C	D	E	F	G	H	I	J	K	AEJ	AEK	AEL	AEM	AEN	AEO	AEP	AEQ	
1	GORA	1745	379	1684 1685 1686	SAKRISTIJA	0	10.11.2010	JM FEMUF	ŽB	8.1.2021	0	1	0	0	0	0	0	0	0	DJ TIBIJI (PRO
2																				
3																				
4																				
5																				
6																				
7																				

MULTIPLE WORKBOOKS – DATABASE

Name	Date modified	Type	Size
GORA_G_20_SJ_074.xlsm	20.12.2020. 10:40	MICROSOFT EXCEL M...	73 KB
GORA_G_21_SJ_084.xlsm	26.12.2020. 11:05	Microsoft Excel M...	72 KB
GORA_G_22_SJ_091.xlsm	24.12.2020. 10:55	Microsoft Excel M...	72 KB
GORA_G_24_SJ_098.xlsm	26.12.2020. 11:15	Microsoft Excel M...	73 KB
GORA_G_28_SJ_107.xlsm	26.12.2020. 11:24	Microsoft Excel M...	72 KB
GORA_G_30_SJ_113.xlsm	26.12.2020. 11:30	Microsoft Excel M...	72 KB
GORA_G_31_SJ_116.xlsm	24.12.2020. 11:00	Microsoft Excel M...	72 KB
GORA_G_33_SJ_123.xlsm	30.9.2021. 21:09	Microsoft Excel M...	73 KB
GORA_G_34_SJ_126.xlsm	26.12.2020. 11:40	Microsoft Excel M...	72 KB
GORA_G_35_SJ_129.xlsm	26.12.2020. 15:32	Microsoft Excel M...	73 KB
GORA_G_37_SJ_137.xlsm	26.12.2020. 15:47	Microsoft Excel M...	73 KB
GORA_G_59_SJ_237.xlsm	25.11.2020. 13:45	Microsoft Excel M...	72 KB
GORA_G_67_SJ_284.xlsm	28.12.2020. 15:06	Microsoft Excel M...	72 KB
GORA_G_80_SJ_359.xlsm	24.12.2020. 10:31	Microsoft Excel M...	72 KB
GORA_G_81_SJ_361.xlsm	24.12.2020. 10:19	Microsoft Excel M...	72 KB
GORA_G_82_SJ_367.xlsm	24.12.2020. 10:04	Microsoft Excel M...	72 KB
GORA_G_83_SJ_372.xlsm	24.12.2020. 10:12	Microsoft Excel M...	72 KB
GORA_G_84_SJ_374.xlsm	24.12.2020. 15:14	Microsoft Excel M...	72 KB

- SAVE AS...
- EXPORT TO .csv FOR ARCHIVING

CREATING REPORT TABLE

- POWER QUERY

GORA_G_100_SJ_434.xlsm	G_SITE	G_SU	G_GR	G_SA	G_SE	G_KV	G_DATE	G_COMM	I_OB
GORA_G_100_SJ_434.xlsm	GORA	434	100	470	ISTOK	A16		39917	0 ŽB SI
GORA_G_102_SJ_449.xlsm	GORA	449	102	462	ISTOK	A16		39918	U GROBU SU ŽB SI
GORA_G_103_SJ_452.xlsm	GORA	452	103	466	SJEVER	A28		39918	0 ŽB
GORA_G_104_SJ_456.xlsm	GORA	456	104	467	JUG	A1		39918	0 ŽB SI
GORA_G_105_SJ_457.xlsm	GORA	457	105	463	JUG	A11		39918	VIŠAK HALU: ŽB SI
GORA_G_106_SJ_461.xlsm	GORA	461	106	459	SJEVER	A29		39918	VIŠAK DESN, ŽB
GORA_G_107_SJ_468.xlsm	GORA	468	107	491	ISTOK	A16		39919	0 ŽB
GORA_G_108_SJ_471.xlsm	GORA	471	108	492	JUG	A1		39919	0
GORA_G_109_SJ_475.xlsm	GORA	475	109	488	ISTOK	A16		39919	VIŠAK FRAGI ŽB SI
GORA_G_110_SJ_477.xlsm	GORA	477	110	503 504 5605	SJEVER	A29/30		39919	VIŠAK DESN,
GORA_G_114_SJ_491.xlsm	GORA	491	114	511	SJEVER	A20/21		39919	VIŠAK LIJEV, ŽB SI
GORA_G_118_SJ_513.xlsm	GORA	513	118	525	ISTOK	A18		39920	FRAGMENTI ŽB
GORA_G_119_SJ_519.xlsm	GORA	519	119	529	ISTOK	A14/15		39920	VIŠAK DISTA ŽB
GORA_G_120_SJ_521.xlsm	GORA	521	120	524	SJEVER	A27		39920	0 ŽB
GORA_G_121_SJ_526.xlsm	GORA	526	121	541	JUG	A2		39921	0 ŽB
GORA_G_122_SJ_530.xlsm	GORA	530	122	540	SJEVER	A27		39921	VIŠAK FRAGI ŽB
GORA_G_123_SJ_532.xlsm	GORA	532	123	539	ISTOK	A17		39921	VIŠAK FRAGI ŽB SI
GORA_G_124_SJ_536.xlsm	GORA	536	124	551	JUG	A11		39921	0
GORA_G_125_SJ_538.xlsm	GORA	538	125	538	ISTOK	A14		39923	VIŠAK FRAGI ŽB
GORA_G_126_SJ_543.xlsm	GORA	543	126	544	SJEVER	A27		39923	VIŠAK FRAGI ŽB
GORA_G_127_SJ_545.xlsm	GORA	545	127	543	SJEVER	A27		39923	0 ŽB
GORA_G_128_SJ_551.xlsm	GORA	551	128	550	JUG	A2		39923	0 ŽB SI
GORA_G_12_SJ_42.xlsm	GORA	42	12	51	JUG	A4		39549	VIŠAK DESN, ŽB SI
GORA_G_130_SJ_559.xlsm	GORA	559	130	556	SJEVER	A31		39923	VIŠAK DESN, ŽB
GORA_G_131_SJ_568.xlsm	GORA	568	131	570	SJEVER	A31		39925	VIŠAK TEMP ŽB
GORA_G_132_SJ_572.xlsm	GORA	572	132	573	SJEVER	A20/21		39925	0 ŽB SI
GORA_G_133_SJ_577.xlsm	GORA	577	133	576	ISTOK/JUG	A10		39925	VIŠAK: FRAG ŽB
GORA_G_134_SJ_579.xlsm	GORA	579	134	566	JUG	A2		39925	VIŠAK 2 MT I ŽB
GORA_G_135_SJ_581.xlsm	GORA	581	135	568	SJEVER	A22/23		39925	VIŠAK FRAGI ŽB
GORA_G_136_SJ_586.xlsm	GORA	586	136	587	ISTOK	A18		39925	VIŠAK FRAGI ŽB
GORA_G_137_SJ_590.xlsm	GORA	590	137	582	ISTOK	A16		39925	VIŠAK DESNI ŽB SI
GORA_G_138_SJ_592.xlsm	GORA	592	138	574	SJEVER	A28		39925	VIŠAK DESN, ŽB SI
GORA_G_13_SJ_45.xlsm	GORA	45	13	62	ISTOK	A15		39579	VIŠAK DESN, ŽB SI
GORA_G_140_SJ_599.xlsm	GORA	599	140	600	SJEVER	A29/30		39925	0 ŽB SI
GORA_G_141_SJ_601.xlsm	GORA	601	141	599	SJEVER	A31		39926	0 ŽB

5 queries

- Transform File from BAZA_PRIMJER [3]
- Sample Query [2]
 - Sample File Parameter1 (Sample File) Connection only.
 - Sample File Connection only.
 - Transform Sample File from BAZA_PRIMJER Connection only.
 - fx Transform File from BAZA_PRIMJER Connection only.
- Other Queries [1]
 - BAZA_PRIMJER**
562 rows loaded.

CREATING REPORT TABLE

RDBMerge Add-in (Version 1.40, for Excel 2007-2010) X

Folder location:

Browse

Include sub folders

D:\User_detepe\Documents\DTP_MILORD\01_GORA\METARH_2021_PREZENTACIA
(RAZA_PRIMIFR)

Which Files:

XL?

Select the files you want to Merge in any folder you want

Merge All files from the folder in the Files location section

Merge all files with a name that **Contains**

Tips

Which worksheet(s):

Use the sheet index

1

Use a worksheet name

TABLE

Merge All worksheets

Merge every worksheet with a name that **Contains**

Tips

Which range:

Fixed Range

A1:Z1,AEJ1:AEQ1

Tips

First cell

A1

till last cell on Worksheet

Add file name

Paste as values

UpdateLinks

Paste data next to each other

Password: Open / Modify

PASSWORD

Cancel

[For help visit: www.rondebruin.nl/merge.htm](http://www.rondebruin.nl/merge.htm)

Merge

- RDB MERGE Add-in
- INPUT DATA:
 - folder location
 - type of import files
 - name of the worksheets that we want to merge
 - range of columns that we want to merge

SYSTEM FOR RECORDING AND ANALYSING ARTICULATED HUMAN SKELETAL REMAINS

DESIGNED FOR:

- NON-DATABASE USERS WITH LIMITED COMPUTER SKILLS
- FUTURE COMPATIBILITY AND DATA ARCHIVING

PROBLEMS:

- LIMITED DATA CONNECTIVITY
- NO BUILT-IN VERSION CONTROL - there can be multiple versions of the files with conflicting or outdated data