

Summer School 2024 GPR Human 'Past' / FSAB / GP ARCHEO																			
	01/07/2024	02/07/2024	03/07/2024				04/07/2024				05/07/2024				06/07/2024				
Location	Amphi B5 PABA	Amphi B5 PABA Lectures Morphometrics	Amphi B5 PABA Lectures Networks				Room Archéovision	Imaging & Informatic rooms (B8)	B2 R+4	UBM - J019	PC Room Archéovision	Imaging & Informatic rooms (B8)	B2 R+4	UBM - J019					
8h15-8h30	Welcome / Registration	An Introduction to Morphometrics. From traditional to geometric morphometrics - The concepts of shape & form - Landmarking and sample size - A discussion on ordination. L. Courtenay	Networks in Archaeology: Introduction - C. Filet				Macroscale	Morphometrics	Microscale	Networks	Macroscale	Morphometrics	Microscale	Networks					
8h30-8h45																			
8h45-9h	Welcome Speech A. Le Cabec						Practice - Photogrammet ric acquisitions and model reconstruction V. Baillet	Practice - Data segmentation on Avizo & 3DSlicer - A. Thibeault (or F. Rémy) + Y.Heuzé (GROUPS)	Practice - confocal microscopic acquisition L. Doyon + A. Queffelec	Data Representativi ty - A. Dalla Rosa + N. Prévot	Managing archaeological surveys: how to acquire, manipulate, extract, and project archaeological data plots - D. Lopez- Onaindia + K. Genuite	Practice - Morphometric analyses on R - F. Santos + F. Rémy	Extract textural data; Data comparison with the ExOsTechBank. (Licence DigitalSurf to be requested - participants must bring their PC and download R on it) - L. Doyon	Spatial Networks with GIS: Study of road networks and topography - C. Culioli + C. Coutelier	Fieldwork - Tourtoirac				
9h-9h15	Keynote - P. Bayle (PACEA) From the field to the laboratory: 3D imaging in archaeological sciences																		
9h15-9h30																			
9h30-9h45																Open Science A. Queffelec			
9h45-10h																			
10h-10h15																			
10h15-10h30																			
10h30-10h45	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break							
10h45-11h	Coffee Break	Coffee Break	Using statistics to evaluate the representativity of archaeological data corpus - C. Filet + A. Dalla Rosa				Continuation	Continuation	Continuation	Continuation	Continuation	Continuation	Continuation						
11h-11h15	A presentation on landmarks-free methods - A. Beaudet																		
11h15-11h30		Introductory Keynote A. Le Cabec + N. Vanderesse	Lunch for all				Lunch for all				Lunch for all				Lunch for all				
11h30-11h45																			
11h45-12h																			
12h-12h15	Lunch for all		Lunch for all				Lunch for all				Lunch for all				Lunch for all				
12h15-12h30																			
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13h15-13h30																			
13h30-13h45	Lunch for all	Amphi B5 PABA Lectures Microscale	(Palais Gallien) + (Room Archéovision)	Amphi B5 PABA	PACEA microscopy + B2 R+4 salle de réunion	Higounet - Maison de l'archéologie	Room Archéovision	Imaging & Informatic rooms (B8)	B2 R+4	UBM - J019	PC Room Archéovision	Imaging & Informatic rooms (B8)	B2 R+4	UBM - J019					
13h45-14h	Amphi B5 PABA Lectures Macroscale	What is 3D surface analysis? How does it differ from GMM? What tools are used to investigate the subject? When and why is it relevant to undertake such study? L. Doyon + A. Queffelec	Macroscale	Morphometric s	Microscale	Networks	Macroscale	Morphometrics	Microscale	Networks	Macroscale	Morphometrics	Microscale	Networks					
14h-14h15			From XYZ coordinates to landscapes: topography and metrology theory. What is a point with coordinates ? How to Acquire it ? How to read it ? How to use it properly? How does it differ from other data (microscale)? - K. Genuite	An overview of some concrete dilemnas to tackel in geometric morphometric s. Fourier analyses (L. Courtenay) - The study of asymmetry (Y. Heuzé) - The study of developmental	Concrete applications at PACEA + demo with the confocal microscope rooms L. Doyon + A. Queffelec	Geomatics, topography , and networks spatial analysis - C. Culioli + C. Coutelier	Cleaning and editing a LiDAR acquisition: from raw point clouds to structured meshes of landscapes (Use of CloudCompar e software (free)) - K. Genuite	Practice - 2D Landmarking on TPSdig - A. Souron + L. Courtenay	Creating a template; Applying a template on multiple acquisition (Licence DigitalSurf to be requested - participants must bring their PC) - L. Doyon	Graph theory and archaeological similarity networks - D. Pereira + C. Filet + D. Kiosak	From 3D data to analysis and valorisation: making Digital elevation models and direct 3D analysis - (download the free-to-use CloudCompare software + the QGIS software + SIR 3D) - K. Genuite + V. Baillet	Continuation	Making figures and table ready for publication; Writing the "Methods" and "Results" section. (Participants must download R on their PC) L. Doyon	Continuation	Fieldwork - Tourtoirac				
14h15-14h30																			
14h30-14h45						Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
14h45-15h																			
15h-15h15																			
15h15-15h30																			
15h30-15h45						Lasergrammetry and photogrammetry: theory and fieldwork acquisition. From Fieldwork acquisition to usages in archaeological contexts - K. Genuite + V. Baillet	Visit of the micro-CT scanner at PLACAMAT N. Vanderesse + A. Le Cabec	Continuation	Continuation	Networks in agent- based modeling - D. Kiosak	Continuation	Practice - 3D Landmarking on Avizo & 3DSlicer - A. Thibeault (or F. Rémy) + Y.Heuzé (GROUPS)	Continuation	Continuation	Continuation	Practice - Morphometric analyses on MorphoJ - Y. Heuzé	Continuation	Continuation	Return by bus
15h45-16h																			
16h-16h15																			
16h15-16h30																			
16h30-16h45	Cocktail 1		Diner in town (TBD) for organisers, directors, and invited speakers								Cocktail 2								
16h45-17h																			
17h-17h15																			
17h15-17h30																			
17h30-17h45																			
17h45-18h	Keynote Speaker: Stéphane Jaillet (U. Savoie) 3D lasergrammetry and caves art in the Gorges de l'Ardèche: geomorphological application and techniques Amphi B5 PABA		Keynote Speaker: Chris Klingenberg (UK) Morphometric studies of modularity and integration: some serious caveats Amphi B5 PABA				Keynote Speaker: João Marreiros (MONREPOS) Use-Wear Analysis and Experimentation to Study Past Hominin Tool Use Amphi B5 PABA				Keynote Speaker: Philip Verhagen Ancient pathways, theories of mobility and network analysis: a research agenda Amphi B5 PABA								
18h-18h15																			
18h15-18h30																			
18h30-18h45																			
18h45-19h																			