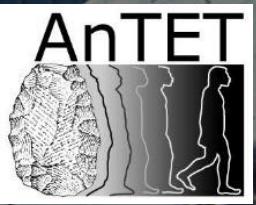


BIACHE-SAINT-VAAST (PAS-DE-CALAIS) : UN EXEMPLE REPRÉSENTATIF ET ATYPIQUE DES GISEMENTS SAALIEN DU NORD DE LA FRANCE

David Hérisson¹ & Patrick Auguste²



1. CNRS-UMR7041 ArScAn,
Equipe AnTET , Université
Paris Nanterre, France

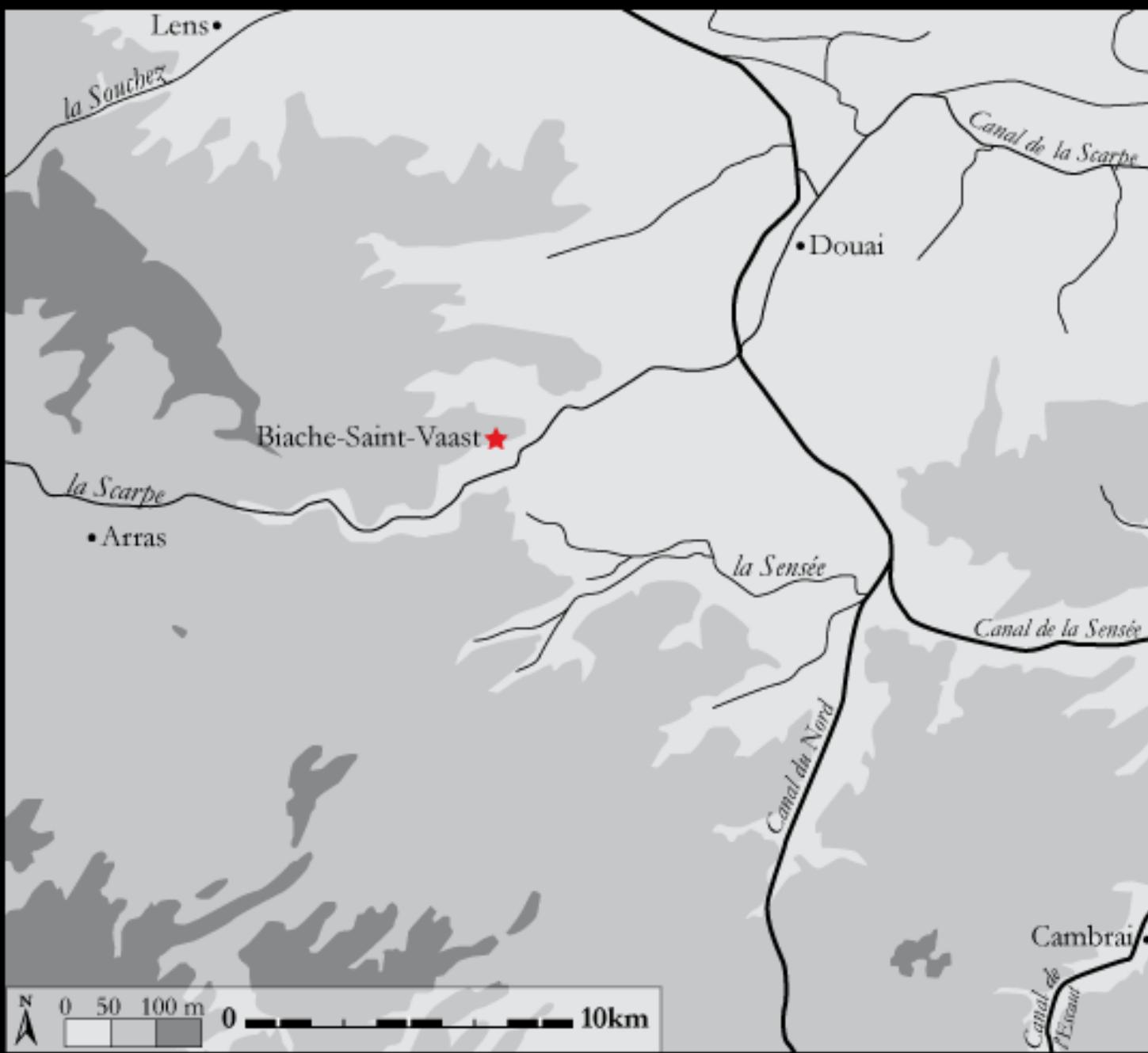
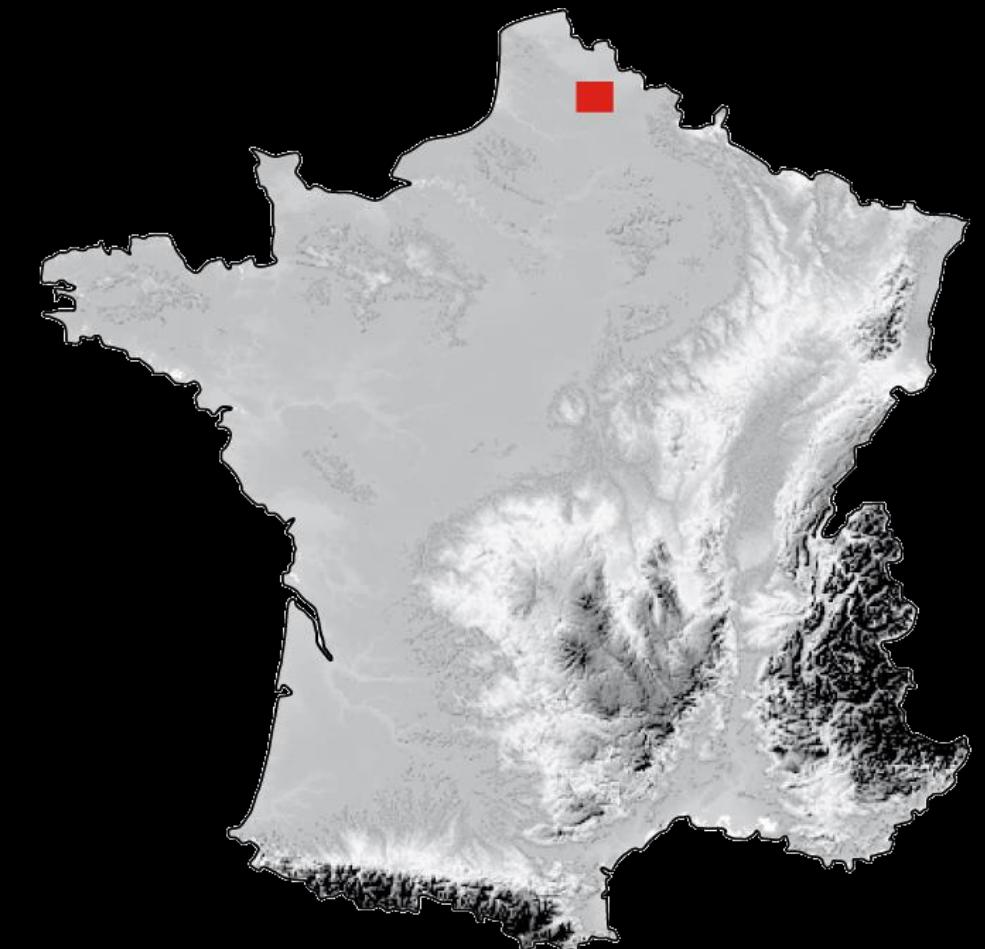


2. CNRS-UMR 8198 Evo, Eco, Paleo,
Université de Lille 1, France

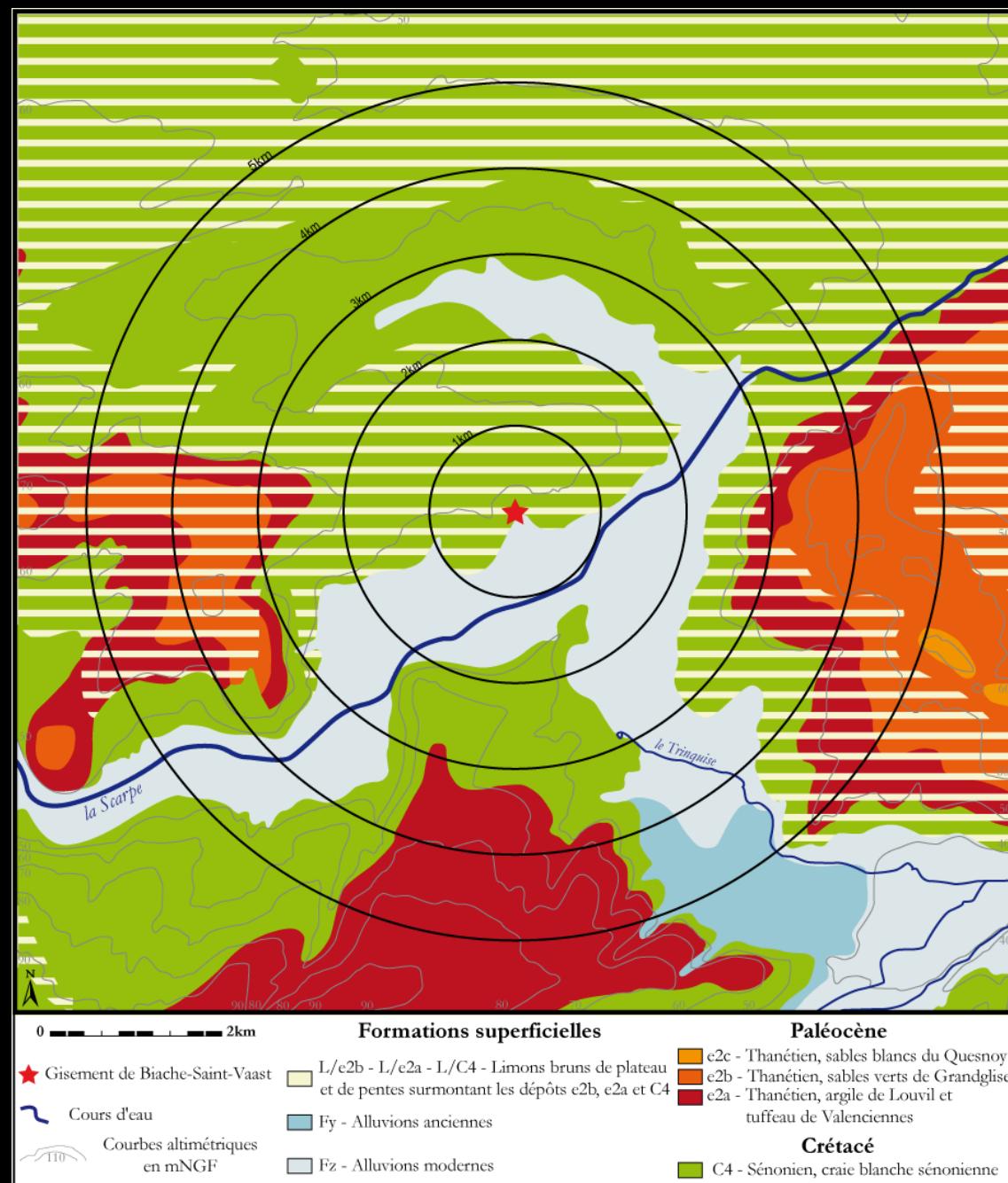


Colloque international de Montmaurin – 1-4 avril 2019
Autour du stade isotopique 7

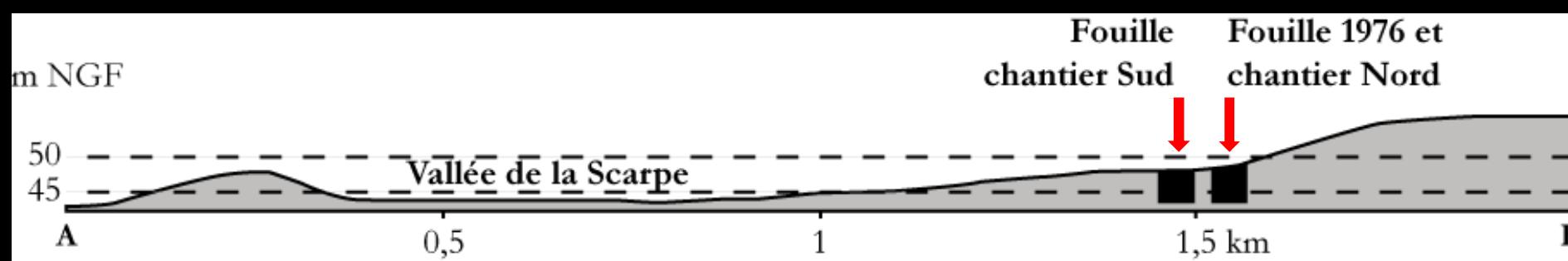
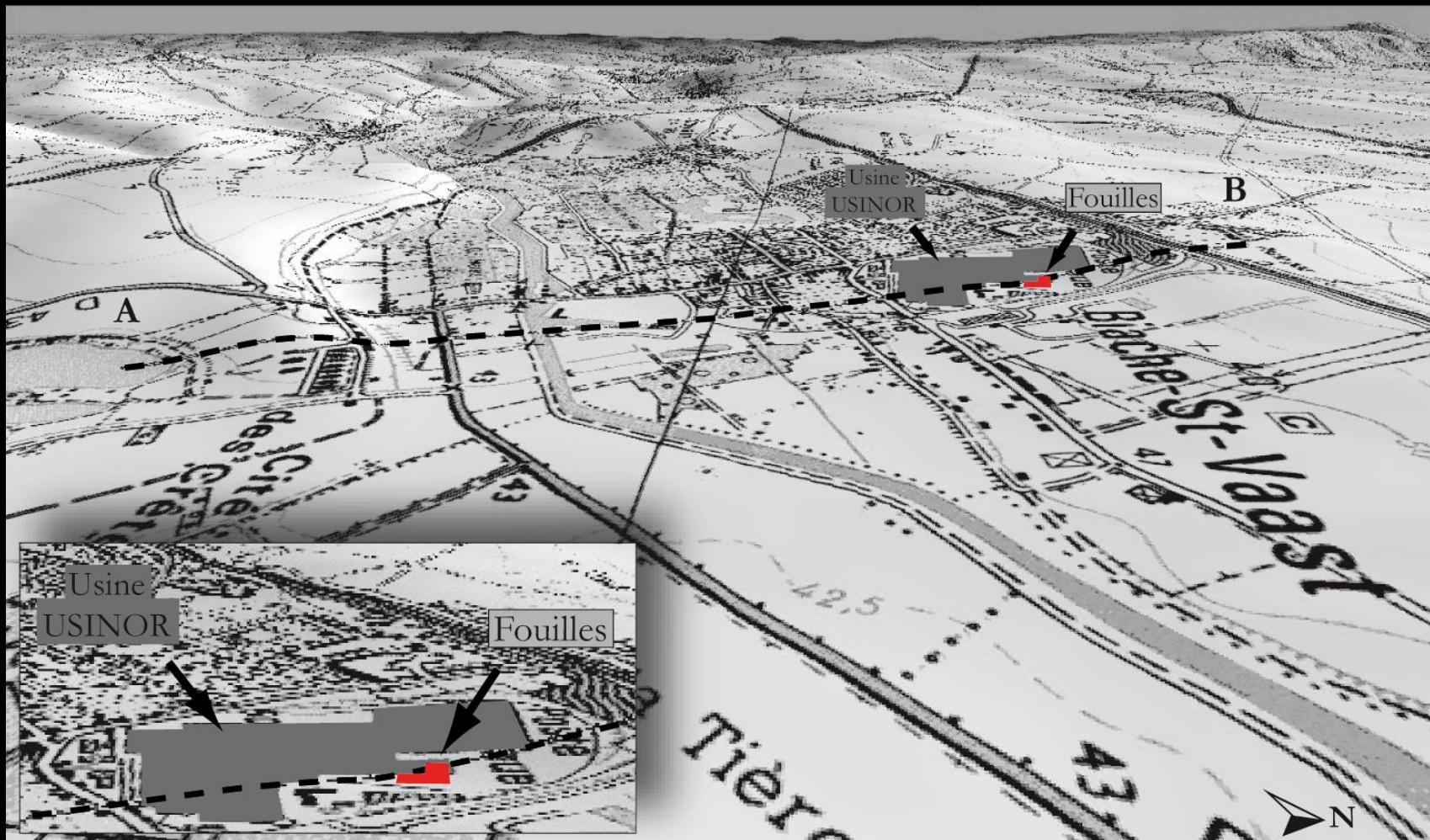
Geographical and geolocial location of Biache-Saint-Vaast



Geographical and geolocial location of Biache-Saint-Vaast



Topographical location of Biache-Saint-Vaast



Circumstances of the discovery and of the excavation campaigns



Total $\approx 1100 \text{ m}^2$

Rescue excavation
1976

IIbase : 340 m^2

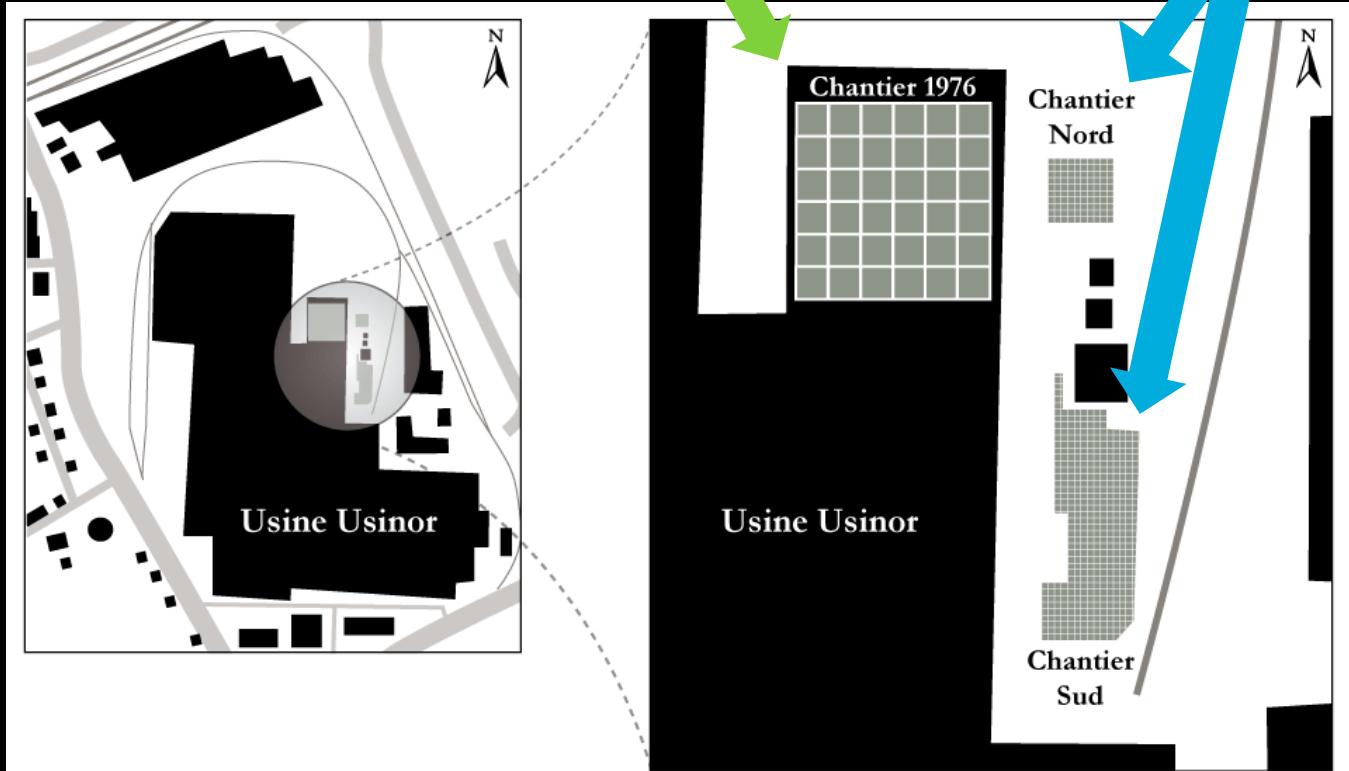
IIA : 150 m^2

Programmed excavation
1977 - 1982

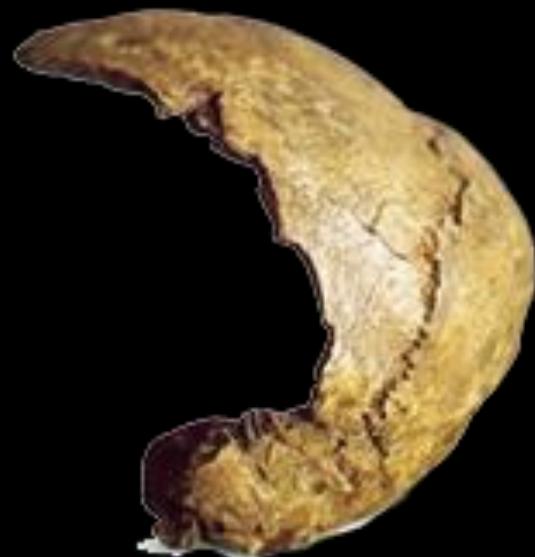
D : 120 m^2 / D₁ : 115 m^2

Do : 107 m^2 / E : 114 m^2

H : 45 m^2



Circumstances of the discovery and of the excavation campaigns



BSV 1

Hélène Rougier



BSV 2

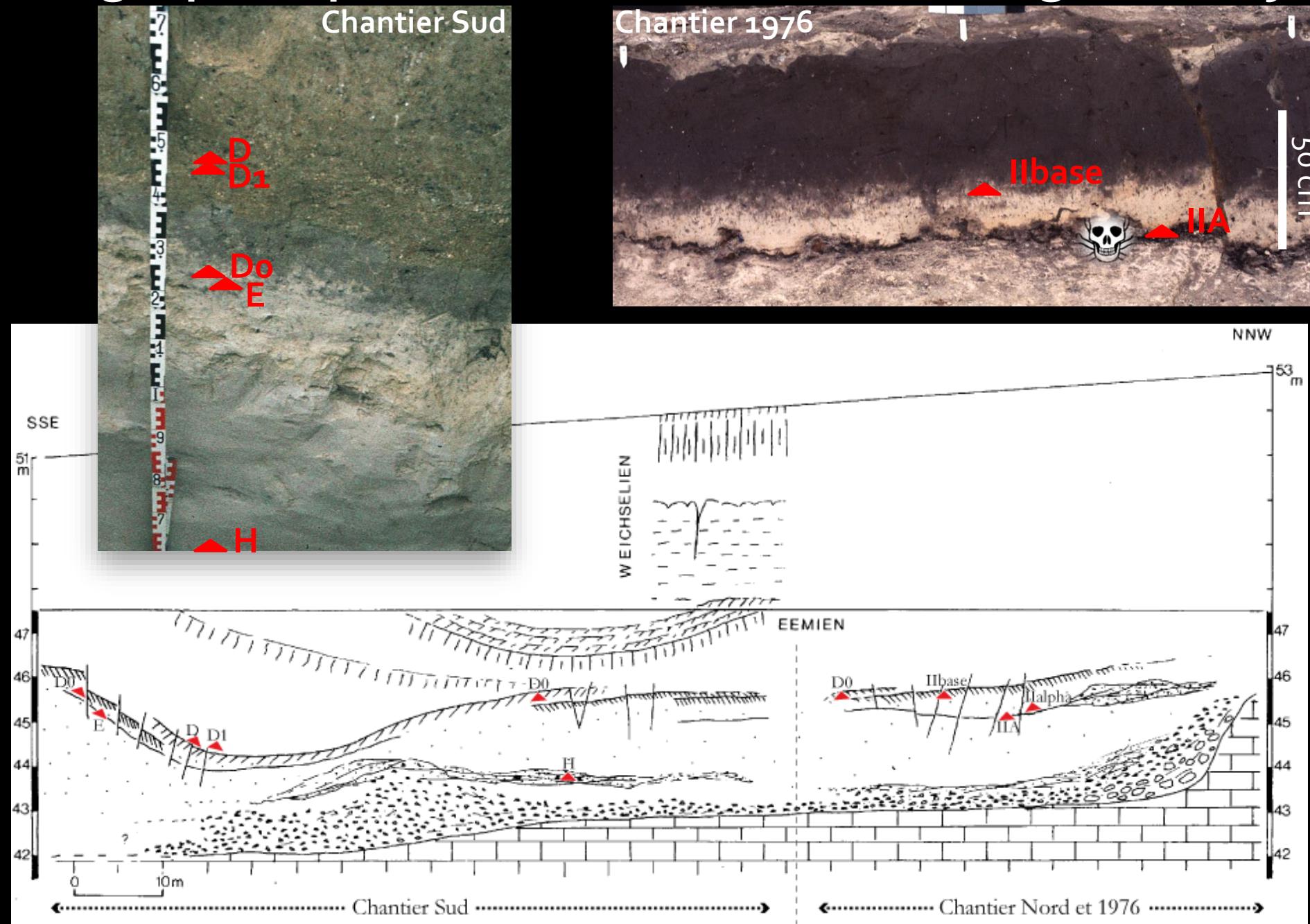
Pierre Guipert



Circumstances of the discovery and of the excavation campaigns

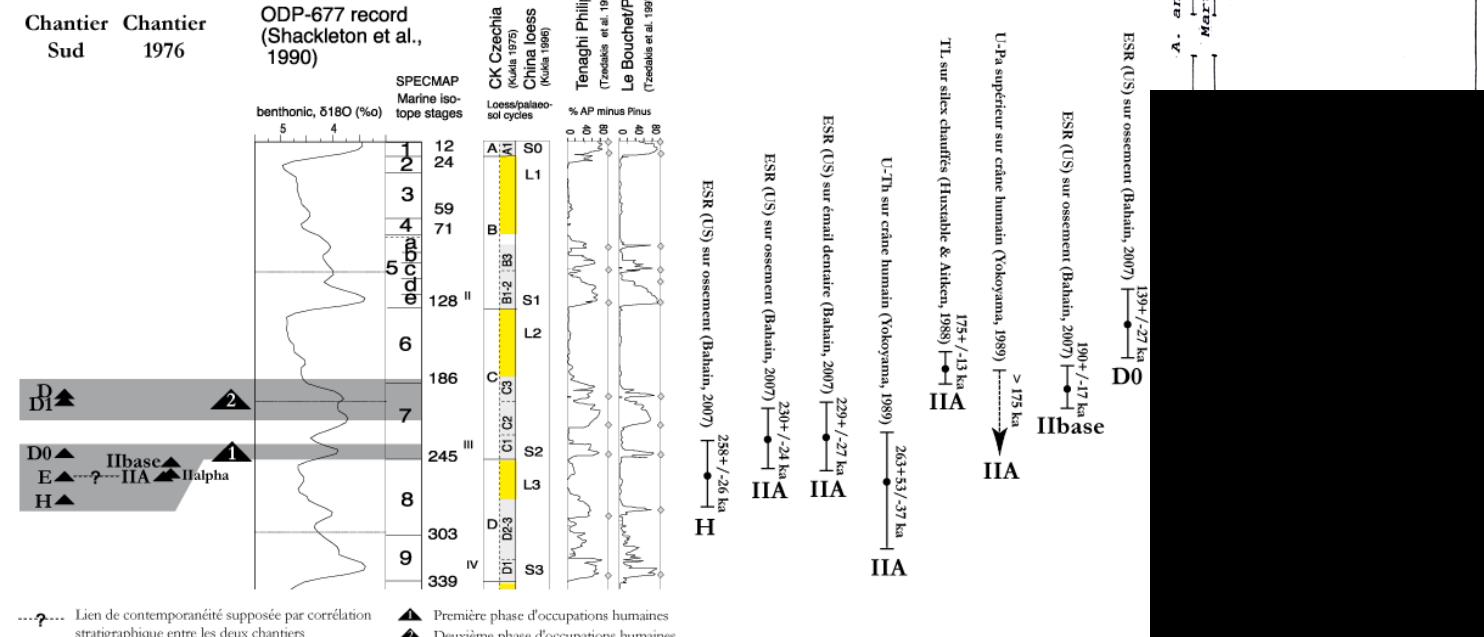
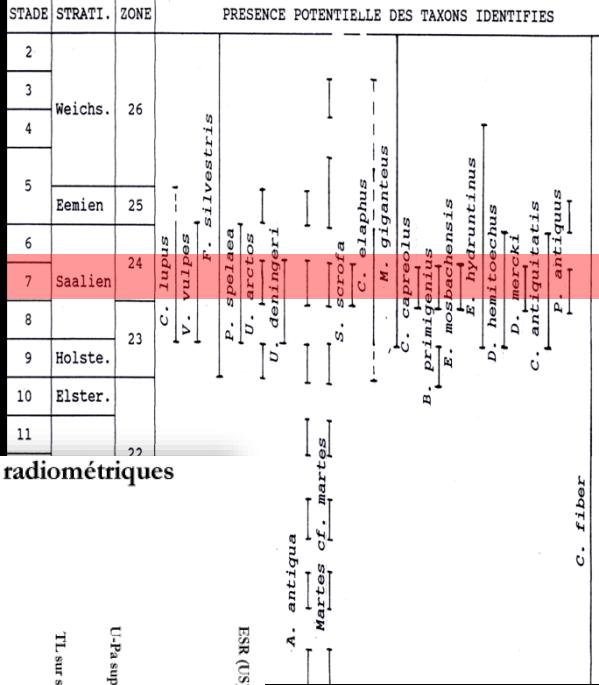


Stratigraphic position of the archaeological layers



Chronostratigraphic of the archaeological layers

Unités litho.	Stratigr.	Niveaux archéo.	Stades	Grands mammifères paysage climat	Lithostratigraphie	Micromorphologie paysa. climat	Palynologie paysage climat	Malacologie paysage climat	Rongeurs			
5	- - -	D D1	7.1	plus ouvert steppe	continen. plus sec sec	dégradation amélioration	légère amélora.	forêt claire	tempéré	découvert	froid modéré	steppe continent.
	- - -											
	4	D0 IIb II α II α En F G H I	7.2			climat froid	dispa. froid végét. humide	steppe arborée	froid		froid	
	b											
	3 a			plus découvert mosaique optimum	continen. talisation tempér. humide	dégradation climat interglaciaire	forêt	forêt clai.	conti. temp. fr.	découvert	+ froid	
	b			mosaique	tempér. humide			forêt clai.	optimum	forêt clai.	forêt tempérée et espaces découverts	
	2		7.3	découvert herbeux	continen-			réchauf. progres.	tempér. réchauf. progres.	optimum		
	a							marécageux				
Position des niveaux archéologiques de Biache-Saint-Vaast												
Enregistrements océaniques												
Enregistrements continentaux												
Datations radiométriques												



Biache-Saint-Vaast: a very rich site

Layers D1, D

End MIS 7.1/beginning 6

Lithic artefacts	Faunal remains	Anthropological remains
D : N = 506	D : N = 277 dont 105 déterminés	D : N = 0
D1 : N = 3183	D1 : N = 434 dont 85 déterminés	D1 : N = 0

Layers H, IIA, IIbase, E, D0

MIS 7.3

Lithic artefacts	Faunal remains	Anthropological remains
D0 : N = 1407	D0 : N = 539 dont 118 déterminés	D0 : N = 0
E : N = 7483	E : N = 1447 dont 222 déterminés	E : N = 0
IIbase : N = 4826	IIbase : N = 3710 dont 501 déterminés	IIbase : N = 0
IIA : N = 47150	IIA : N = 189760 dont 19420 déterminés	IIA : N = 2
H : N = 1117	H : N = 313 dont 112 déterminés	H : N = 0

65 672 lithic
artefacts

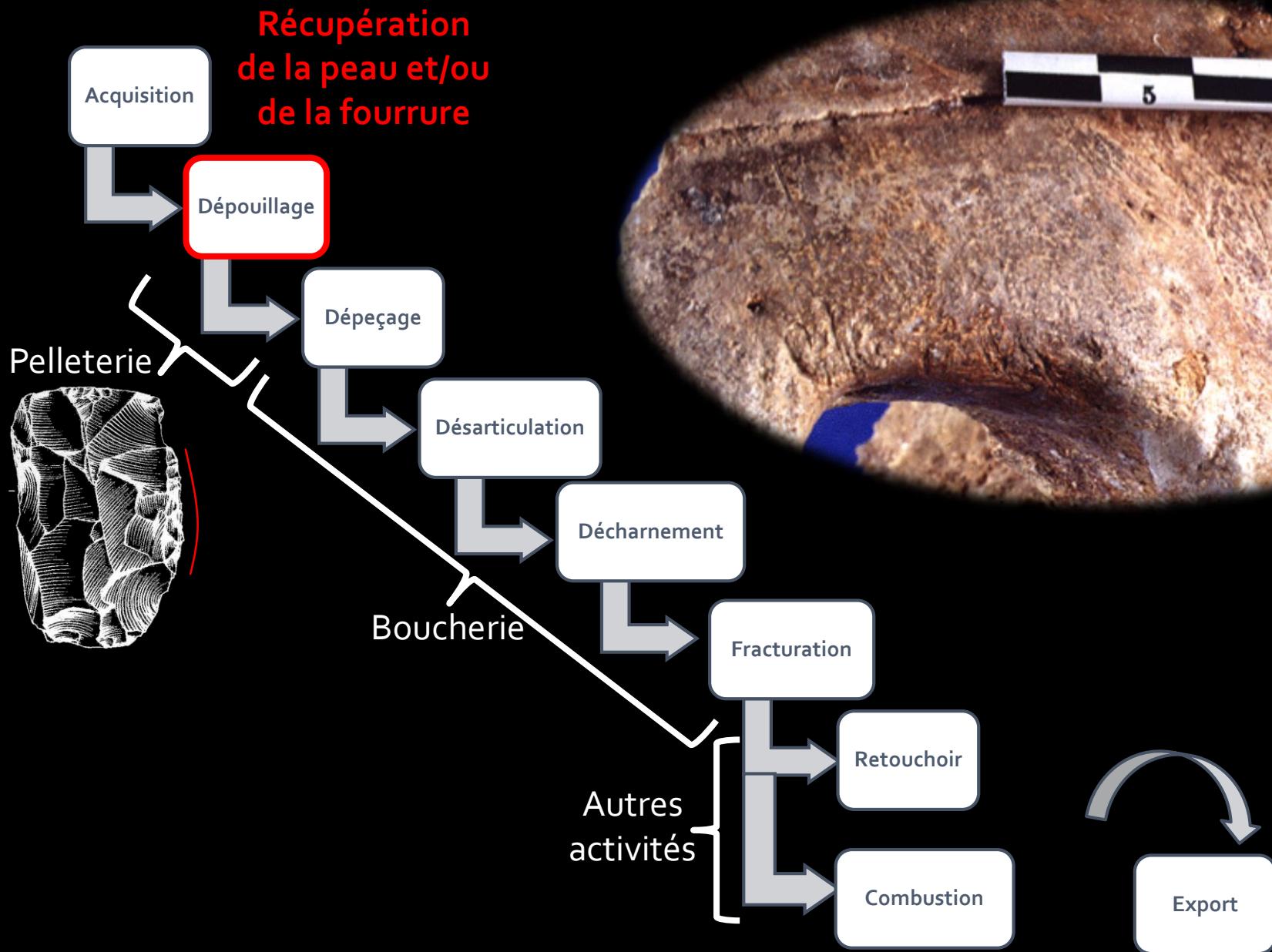
196 480 faunal remains
dont 20 563 déterminés

2 skuls of
Neanderthal

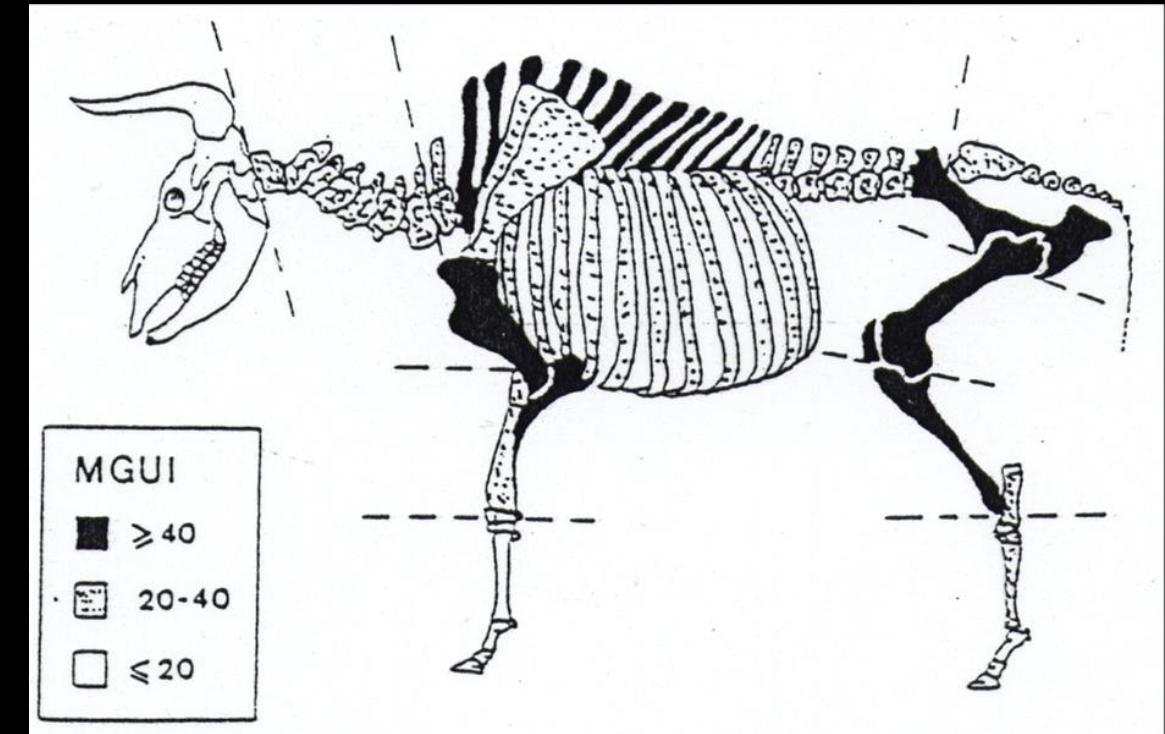
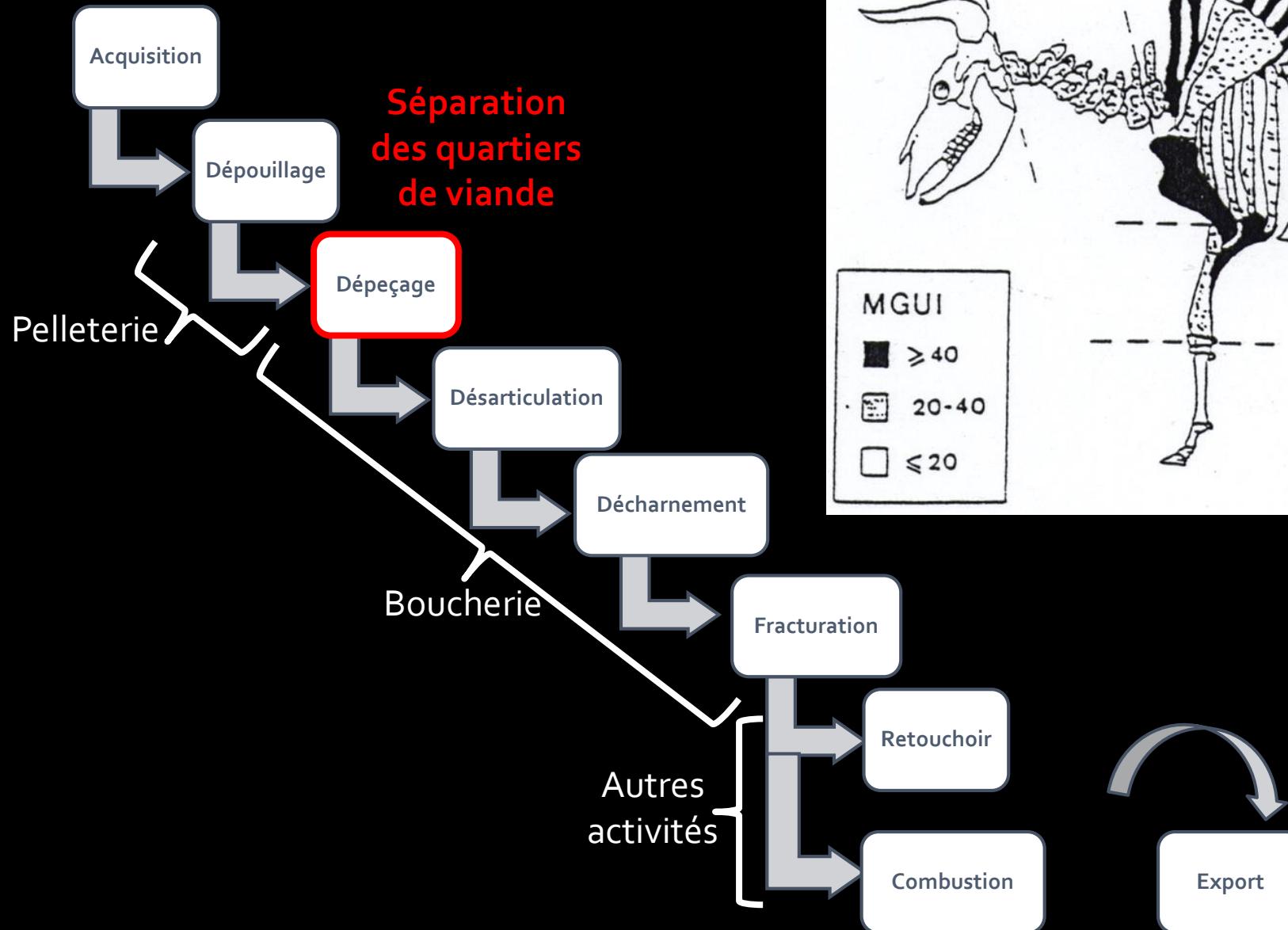
7 archaeological layers

≈ 60 000 years

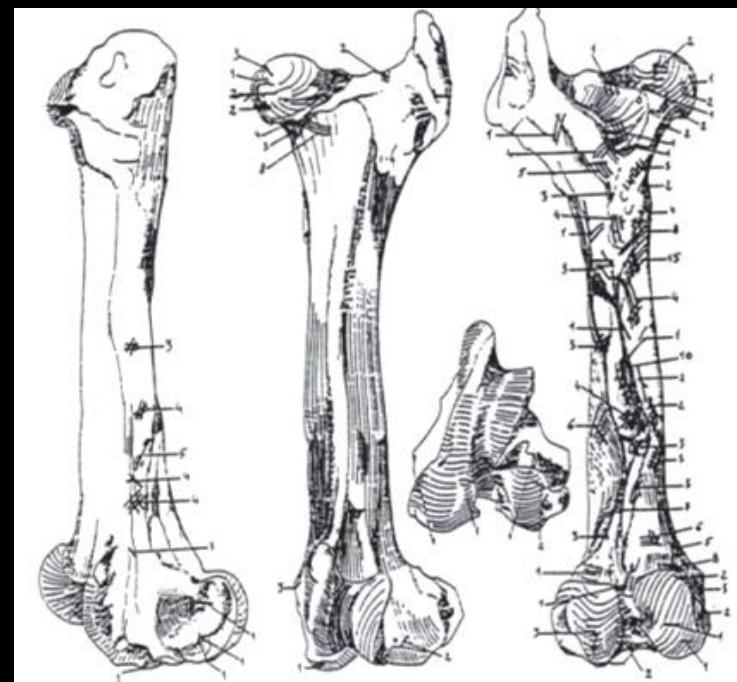
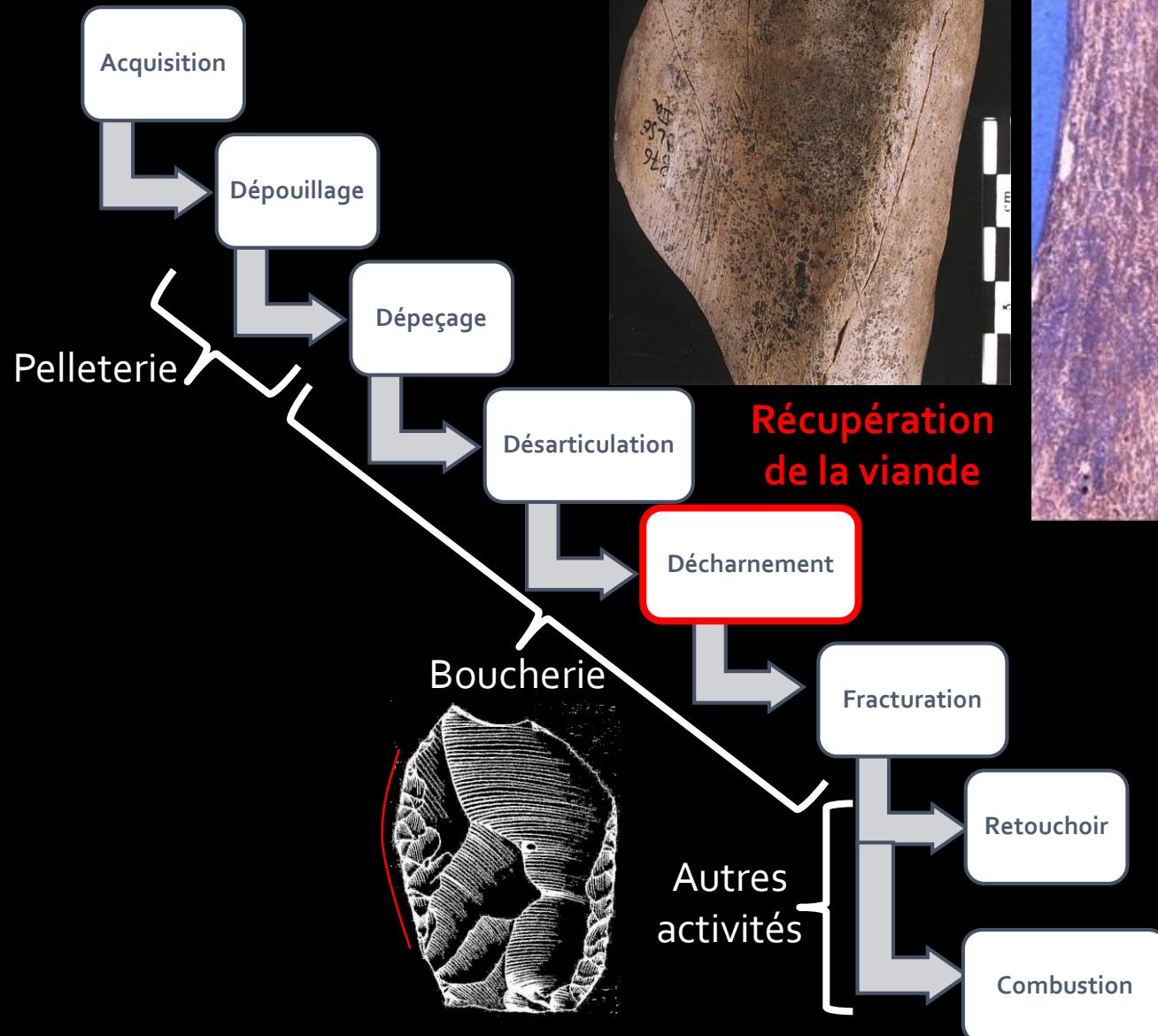
Links Neanderthal-fauna at Biache-Saint-Vaast



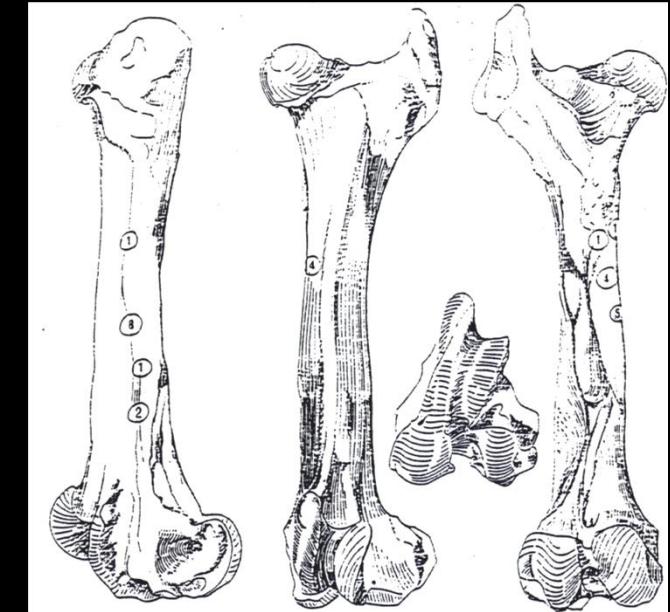
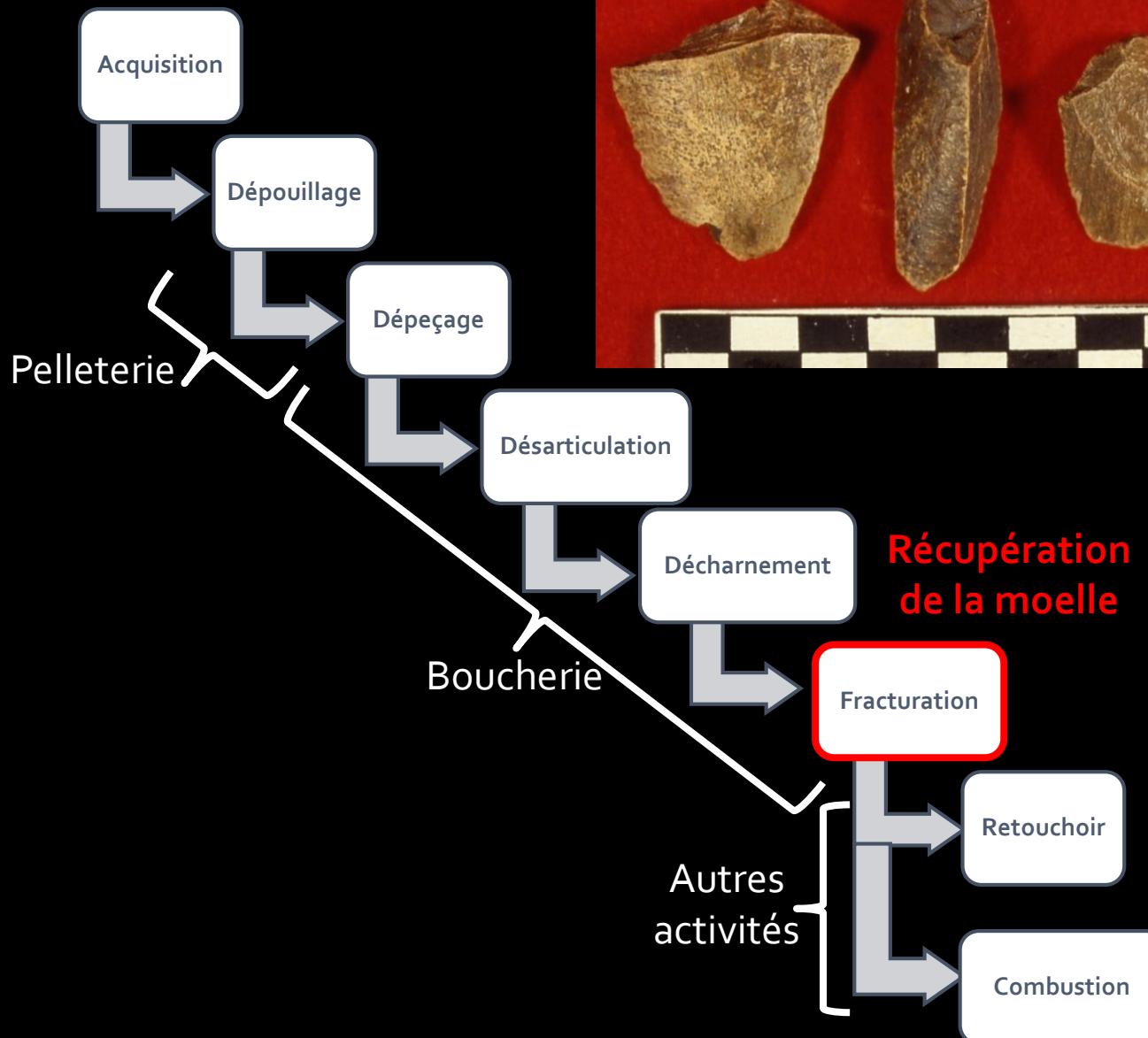
Links Neanderthal-fauna at Biache-Saint-Vaast



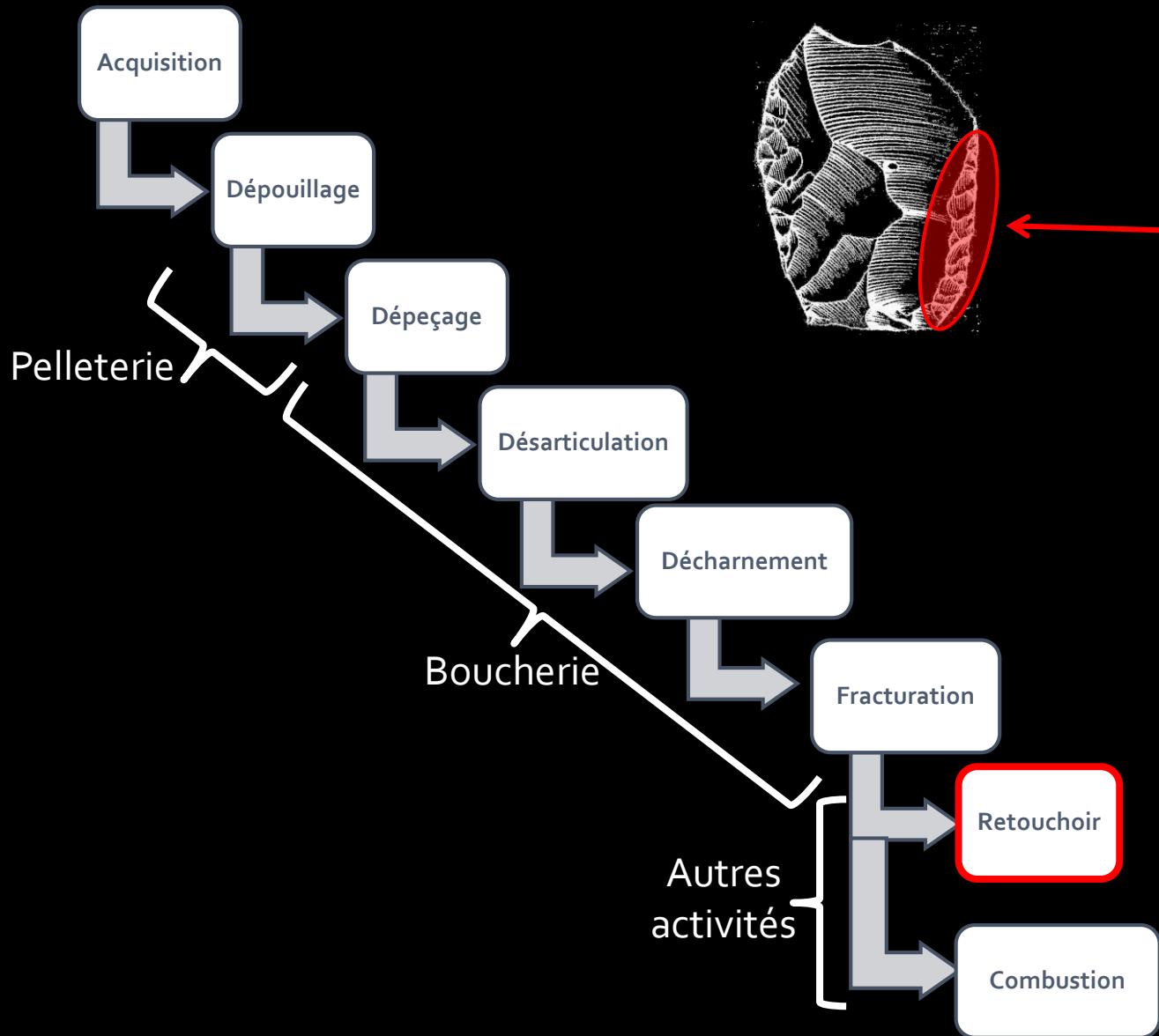
Links Neanderthal-fauna at Biache-Saint-Vaast



Links Neanderthal-fauna at Biache-Saint-Vaast



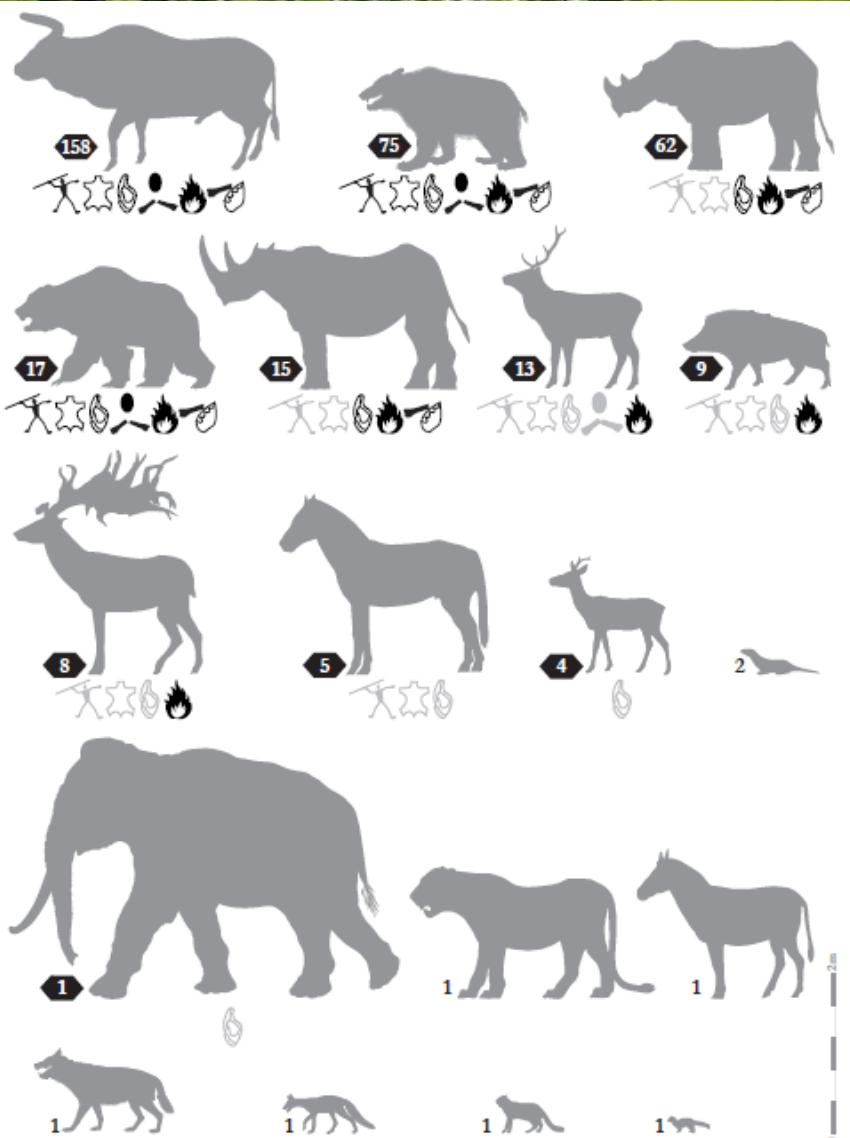
Links Neanderthal-fauna at Biache-Saint-Vaast



Links Neanderthal-fauna at Biache-Saint-Vaast



Layer IIA – MIS 7.3

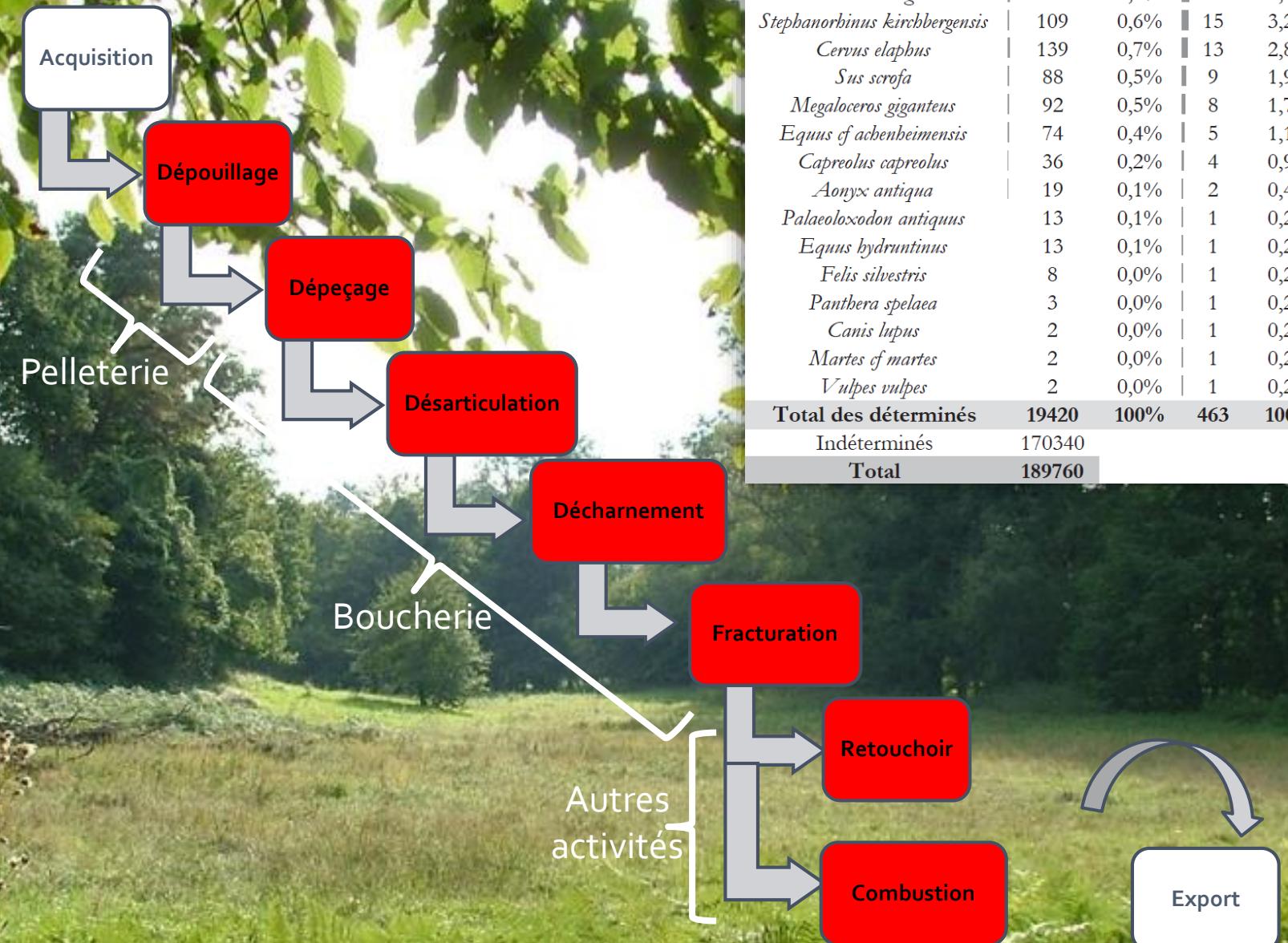


1 Espèce présentant des traces d'intervention anthropique (chiffre = NMI de l'espèce)
 En noir : activités attestées ; en gris : activités supposées et à confirmer

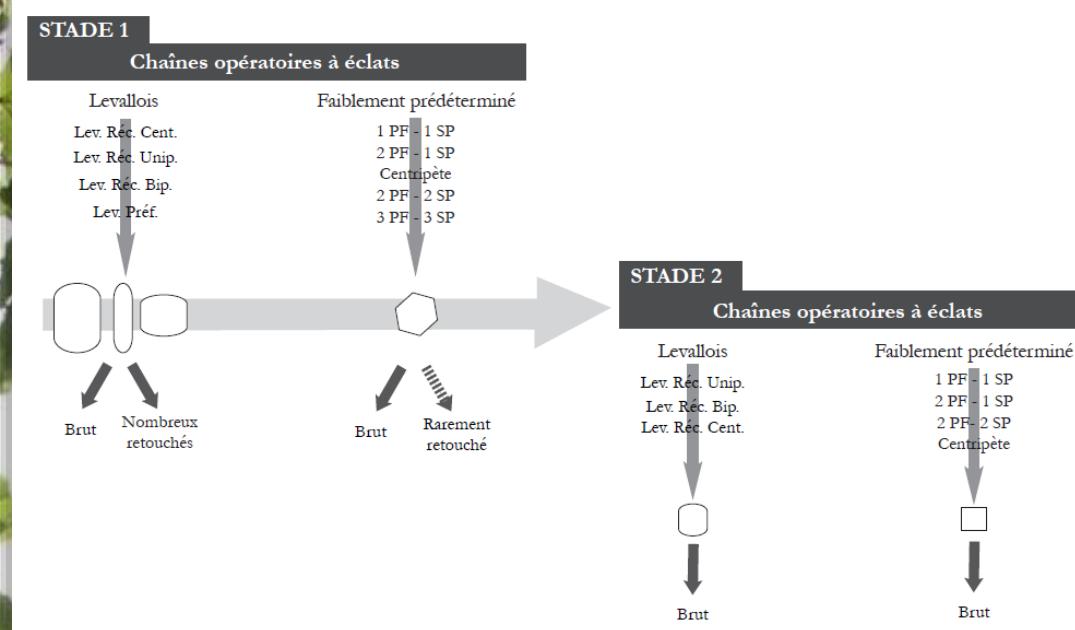
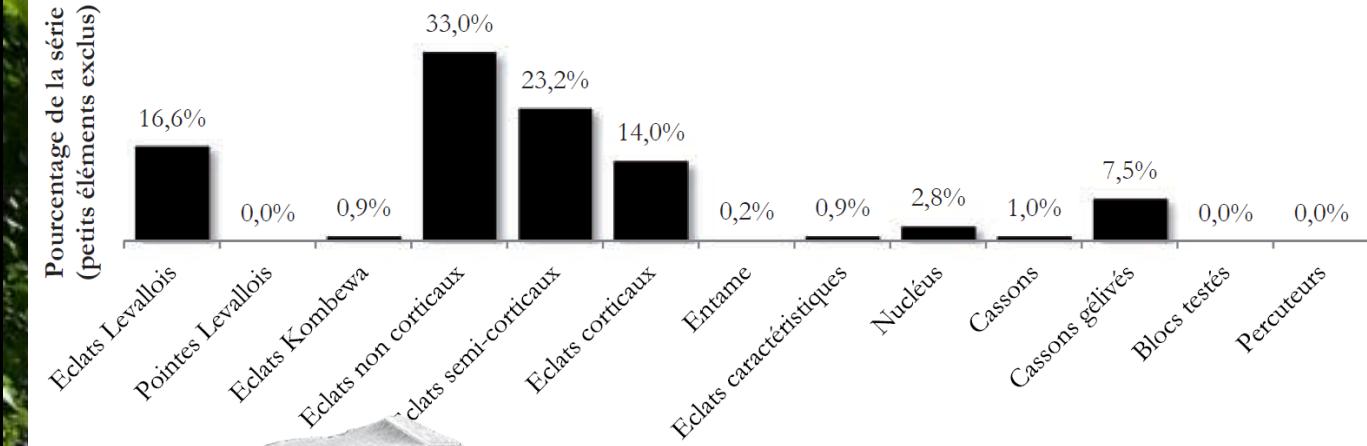
- Chasse
- Pelleterie
- Boucherie
- Fracturation des os longs
- Combustion
- Retouchoir

18 species – 463 individuals

spring and autumn



Layer IIA – MIS 7.3



Total = 47 150 lithic artefacts



Levallois
preferential



Levallois recurrent
bipolar



Levallois recurrent
unipolar

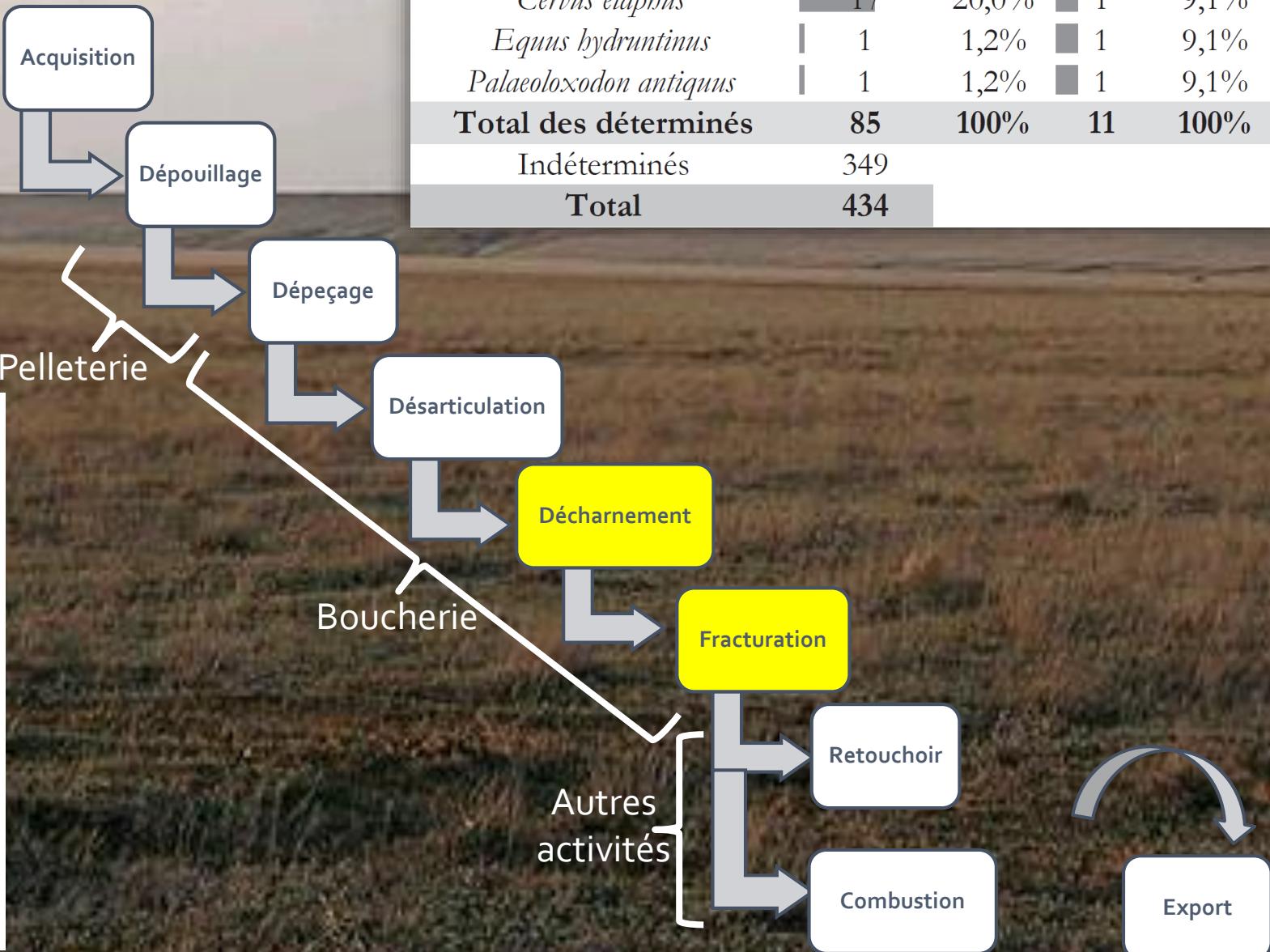
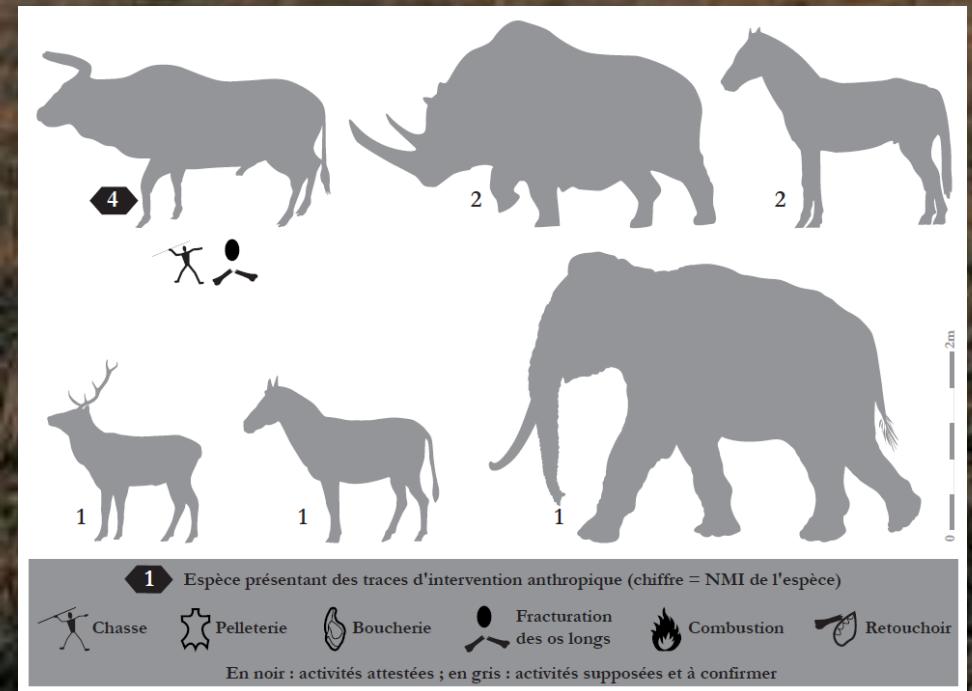


Ramification

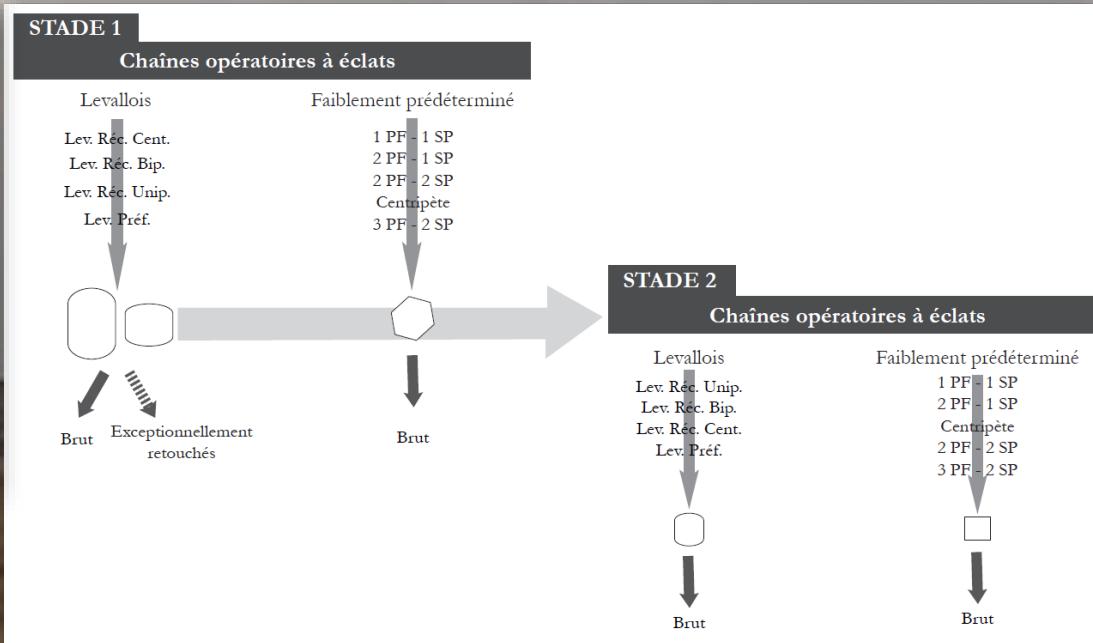
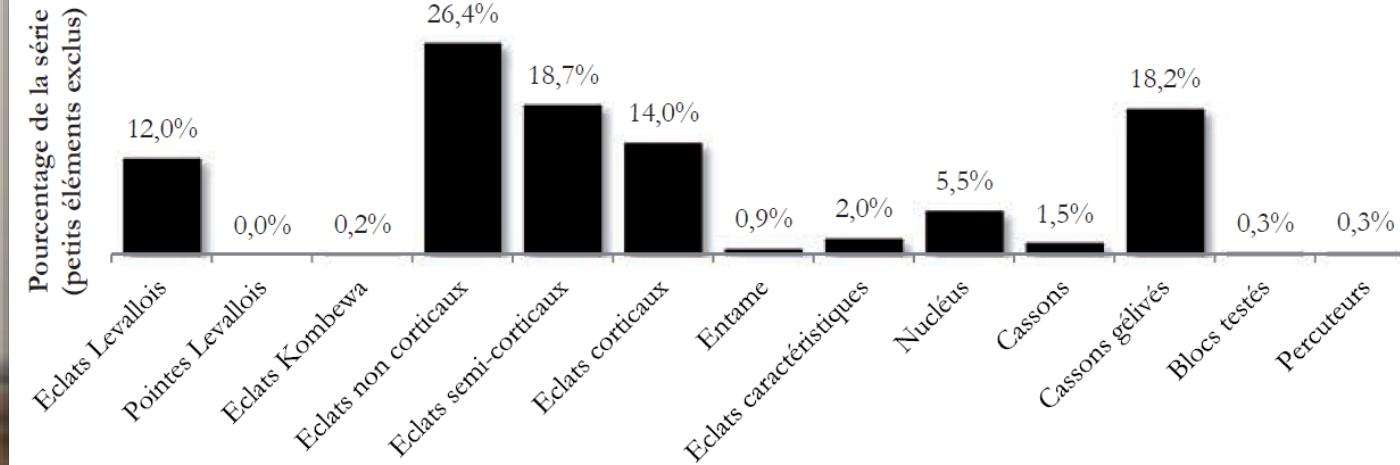
Layer D1 - end MIS 7.1/beginning 6

6 species – 11 individuals

No seasonal evidence



Layer D1 - end MIS 7.1/beginning 6



Total = 3 183 lithic artefacts



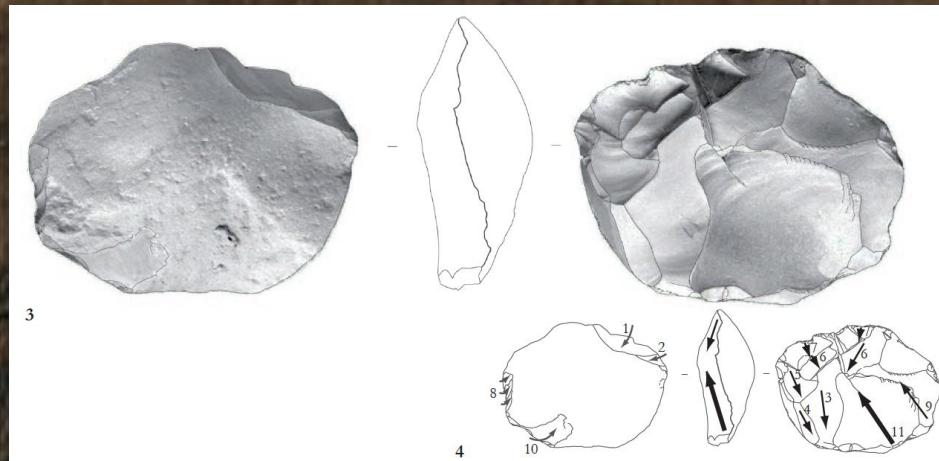
Levallois
preferential



Levallois recurrent
unipolar



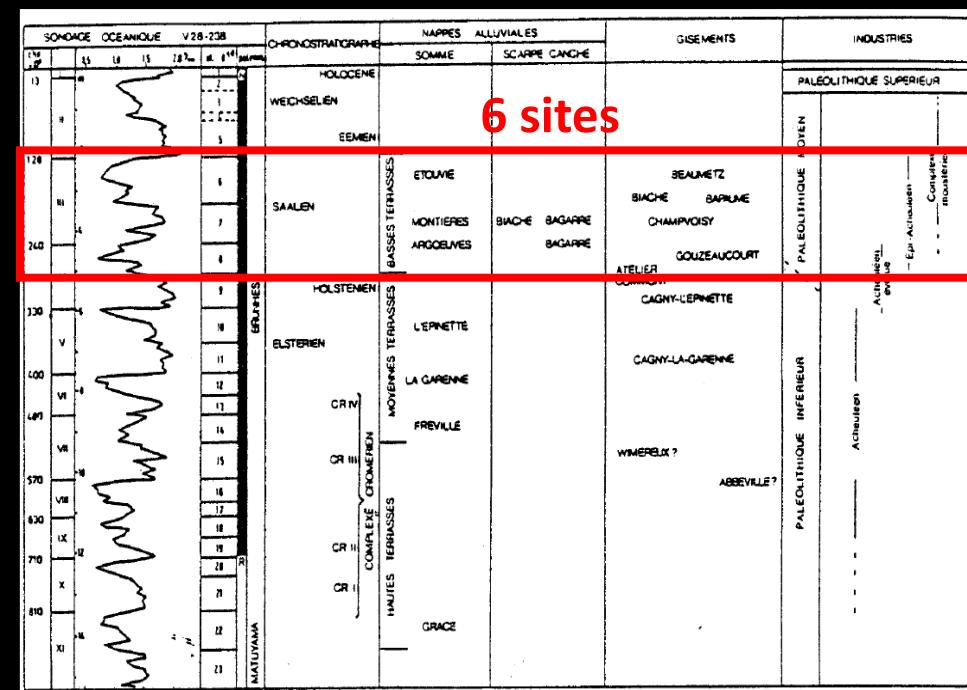
Levallois recurrent
centripetal



Ramification

0
5cm

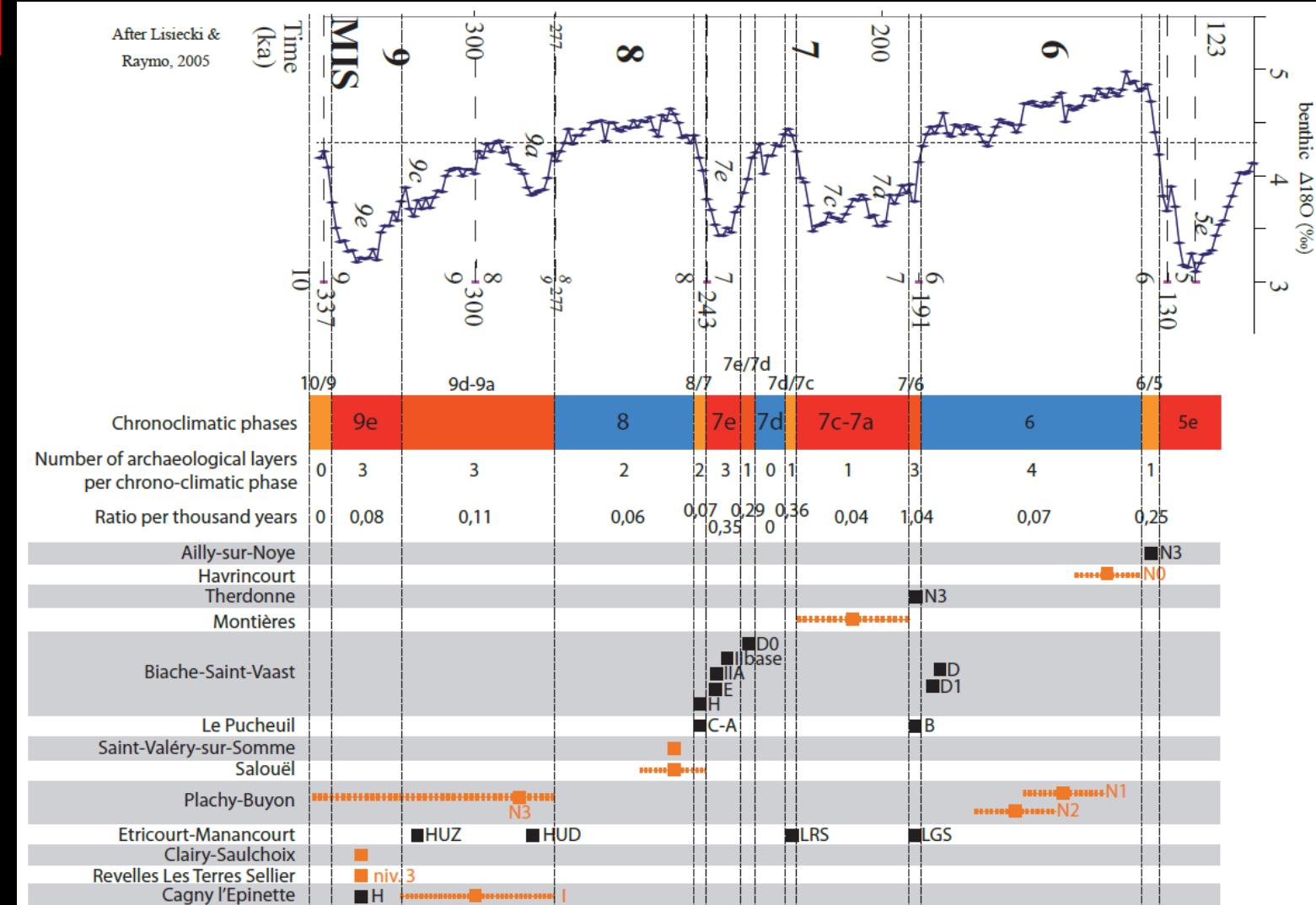
Flash back: state of research 1984-1987 vs 2019



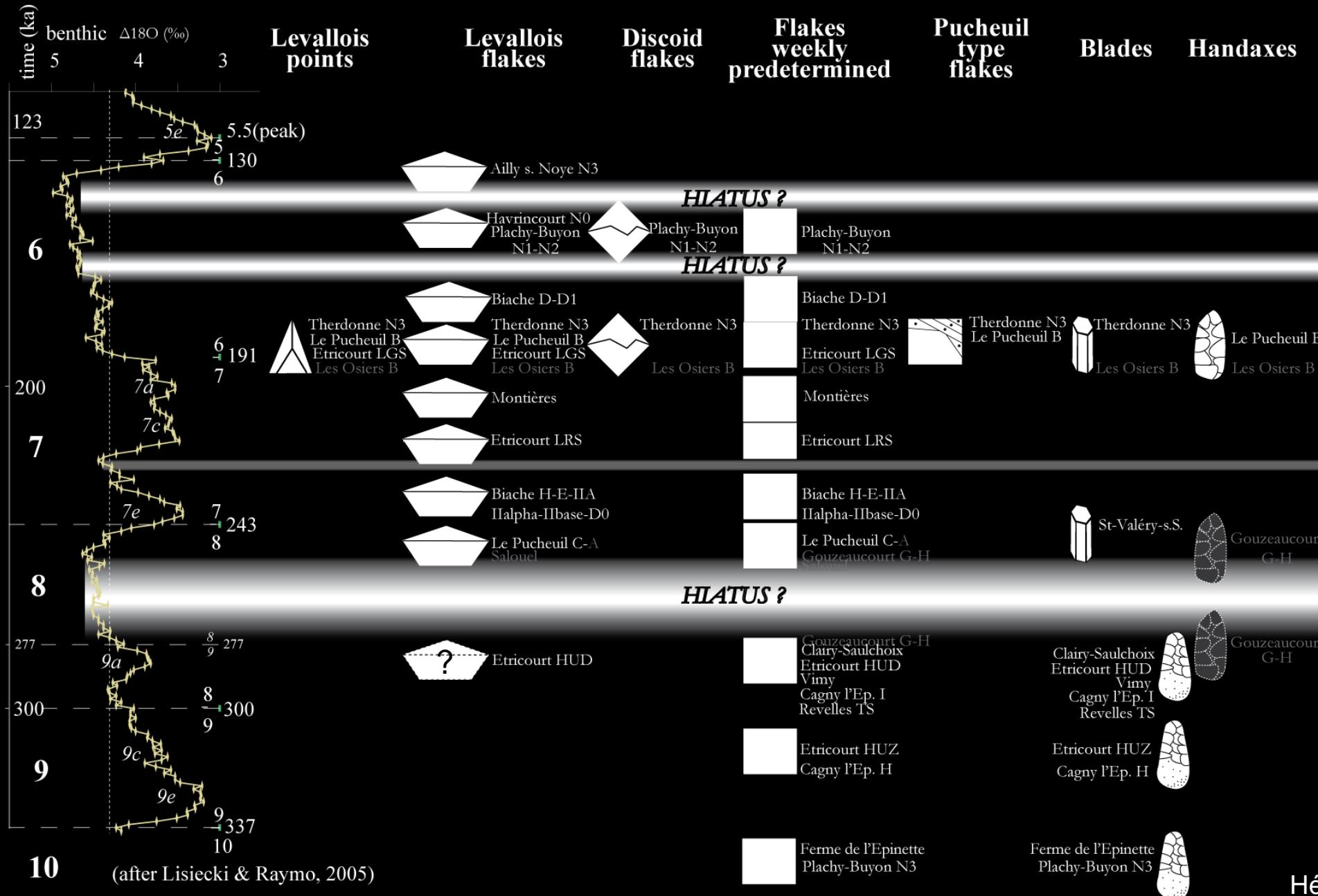
A. Tuffreau, 1987
after P. Haesaerts,
1984.

Hérisson *et al.*, soumis,
Prehistoric Society

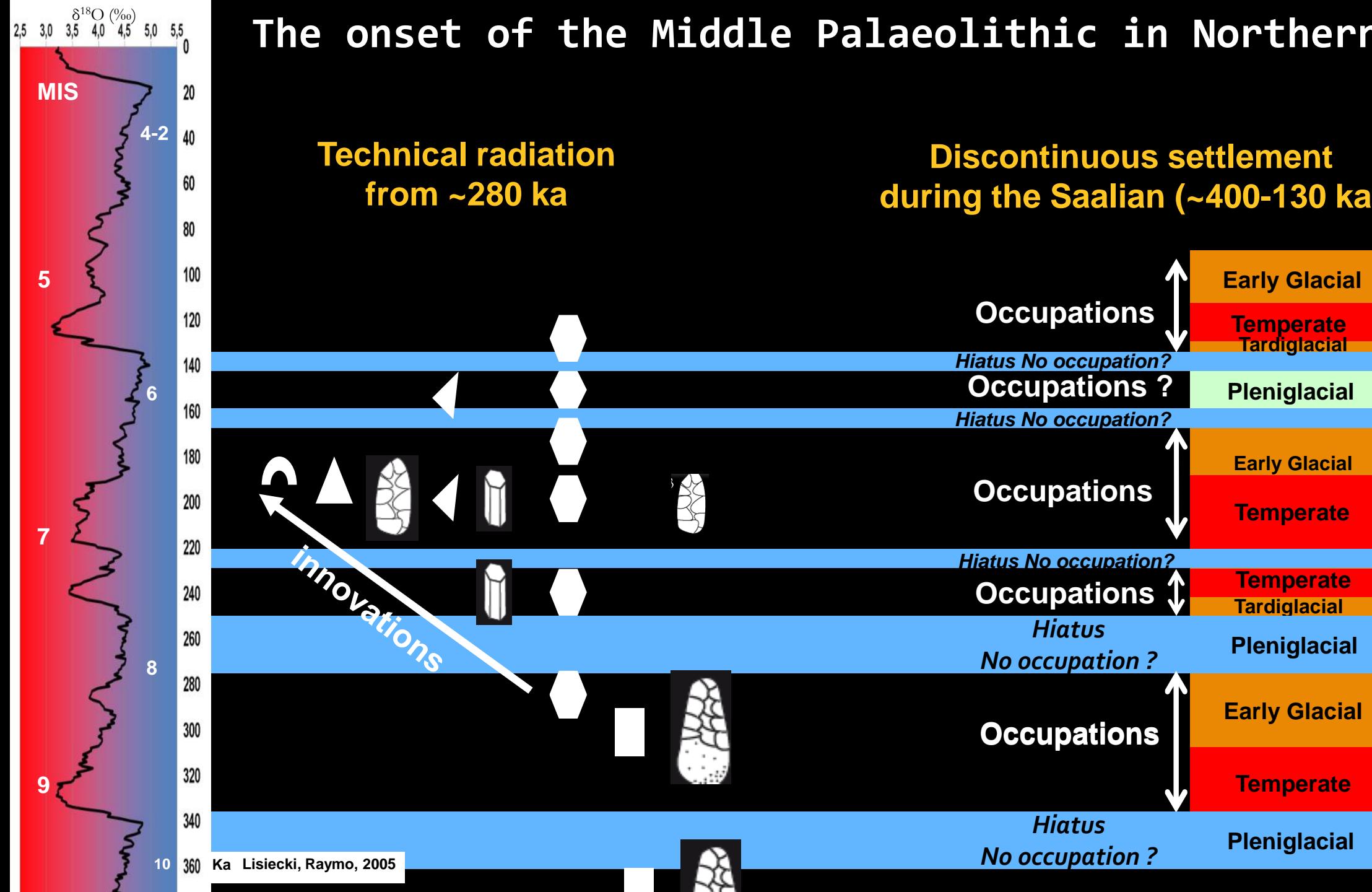
13 sites



The onset of the Middle Palaeolithic in Northern France



The onset of the Middle Palaeolithic in Northern France



M. J. Aitken, P. Auguste, J.-J. Bahain, S. Begries, E. Boëda, J.-P. Bouchet, H. Burie, J. Chaline, J.-P. Colbeaux, N. Carat, H. Dibble, R. Geeraerts, G. Guipert, D. Hérisson, J. Hus, J. Huxtable, E. Juvigné, E. Leblanc, G. Leroy, M. Liouville, S. Louquet-Lefèvre, J.-L. Marcy, A.V. Munaut, S. Occhietti, P. Pichet, J.F. Piningre, J.J. Paissegur, H. Rougier, D.D. Rousseau, N. Sévèque, J. Sommé, A. Tuffreau, N. Ameloot-Van der Heijden, B. Vandermeersch, B. Van-Vlet-Lanoë, G. Yokoyama

A blurred background image of a landscape featuring a waterfall cascading down a rocky cliff into a pool of water, with greenery and a blue sky in the background.

Merci de votre attention



[@david_herisson](https://twitter.com/david_herisson)



<https://antet.hypotheses.org/>