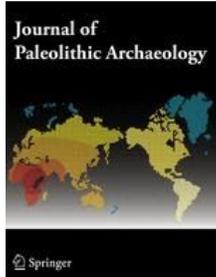


ESHE 2020 Conference Schedule

Our meeting is supported by



Thursday 24 September 2020

1 pm to 1.30 pm (CET) Opening of the Conference
(and the general assembly) in Google Meet

Break

1:45 pm to 2:30 pm — Moderated Live Discussion 1 (Google Meet)

Session Chair: Marie Soressi

Clicking on the title below will take you to the abstract in the “Classroom”.
There you will also be able to post comments and ask questions prior to the live sessions.

Hilary Duke et al. Video	New evidence for the emergence of early Acheulean Technology at Kokiselei 6 in West Turkana, Kenya
Vivian Slon et al. Video	DNA from Paleolithic sediments at Sefunim Cave, Israel
Katerina Harvati et al. Video	Apidima 1 and the early dispersal of <i>Homo sapiens</i> out of Africa

Graeme Barker et al. Video	Unravelling the chronology and character of Neanderthal and Modern Human use of Shanidar Cave, Iraqi Kurdistan
Yossi Zaidner et al. Video	Tinshemet Cave Project: Exploring a new Middle Paleolithic human fossil site in Israel
Pere Gelabert et al. Video	Metagenomes and ancient human lineages from a pre-LGM layer of Satsurbliia cave in the Caucasus
Costantino Buzi et al. Poster	Digital techniques applied to a Neanderthal skeleton still preserved <i>in situ</i>: the case-study of Altamura (Bari, Italy)
Jordy Didier Orellana Figueroa et al. Poster Video	A Proof of Concept for Machine Learning-Based Virtual Knapping
Claudio Tennie et al. Video	Further evidence for a late onset of cumulative culture: Ape cultures do not require copying of know-how
Alejandra Pascual-Garrido et al. Video	Archaeological signatures of chimpanzee perishable technology reveal the behaviour of the tool-makers

Break

2:45 pm to 4 pm — Unmoderated Live Session

Gather Town

So as to foster interactions with the other conference participants we created a virtual gathering space. You can move your little avatar with the arrow keys, and once you get close to other avatars, a video chat starts. Participants can also share their screen to show their poster, or some figures.

We have grouped posters and presentations and by themes and assigned these groups to areas on our virtual map marked by landmarks (handaxe, skull, tooth, ...). These areas are meant as starting points. If you are a presenter we suggest staying near these landmarks for the first 20 minutes so that others know where to find you — however, please feel free to wander around and explore. Bear in mind that this is both a technical and social experiment, so we will have to work this out together. You can log into gather.town using a link (we will send this out via email on Thursday). It works best using Chrome as a browser. Please read the detailed instructions on how best to use Gather Town at the bottom of this program.



Meeting Place in Gather.town: Skull

<p>Antonietta Del Bove et al. Poster Video</p>	<p>Automatic detection of sexual dimorphic traits in the human cranium</p>
<p>Carolin Röding & Liane Giemsch Poster</p>	<p>Virtual cranial reconstruction and paleopathological reanalysis of an Early Iron Age skeleton from Frankfurt/Main</p>
<p>Manon Bouvier et al. Poster</p>	<p>Variation pattern of the imprints of the middle meningeal vessels in extant human endocasts</p>
<p>Judith Beier et al. Poster</p>	<p>Prevalence of Cranial Trauma in Upper Paleolithic Humans</p>
<p>Tommaso Mori et al. Video</p>	<p>Virtual reconstruction and geometric morphometric analysis of the mid-Pleistocene hominin KNM-OG 45500 (Olorgesailie, Kenya)</p>

Meeting Place in Gather.town: Monkey in the Rainforest

Nicole D.S. Grunstra et al. Poster	Pleistocene differentiation in a successful generalist primate: evidence from modern cranial morphology in longtailed macaques
Ghislain Thiery et al. Video	Spatial and temporal variations of the diet in Mesopithecus (Colobinae, Primates) from the late Miocene of southeastern Europe
Nina Oberklammer et al. Poster	Upper Premolar Crown Variation in Great Apes
Hester Hanegraef et al. Video	Are subspecies of African apes morphologically distinct? Evidence from the maxilla
Florian Bouchet et al. Poster	Orientation and proportions of the carotid canal in Epipliopithecus and Pliobates
Christos A. Plastiras et al. Video	Deciphering the feeding ecology of <i>Dolichopithecus</i>: Insights from Dental Microwear Textural Analysis and Dental Topography
Alejandro Romero et al. Poster	Delayed acquisition of adult feeding behaviour in the great apes – Implications for inferring the dietary niche of fossil hominins

Meeting Place in Gather.town: The Tree of Ice

Antonio Profico et al. Poster	Cortical bone distribution in the femoral diaphysis and its relationship to activity level
Mathilde Augoyard et al. Poster	Do dentine and cortical bone thickness covary in humans? The influence of age and sex assessed in a modern sample and the condition of Neandertals
Laura Piqué-Fandiño et al. Poster	Sex ratio in the Baka Pygmies
Fotios Alexandros Karakostis & Katerina Harvati Video	A novel and validated avenue for behavioral reconstructions in the fossil record: a critical presentation of new interdisciplinary evidence
Paul D. Bons & Catherine C. Bauer Video	The rich dynamics of hominin evolution in low population-density corridors between more densely populated areas

Meeting Place in Gather.town: Giant Tooth

Paola Cerrito et al. Poster	Parturitions, menopause, illnesses and other physiological stressors are recorded in dental cementum microstructure of humans and rhesus macaques
Yasmina Avia et al. Poster	Can dental topography infer the diet of two of the most controversial extinct cercopithecine species in the South African Plio-Pleistocene?
Beatriz Gamarra et al. Poster	Dental morphological analysis of Holocene Iberian populations: the utility of enamel dentine junction in population dynamics
Annabelle-Louise Lockey et al. Poster	Quantification of hypoplasia depth in Neandertal and Upper Palaeolithic modern human molars
Sofwan Noerwidi et al. Poster	Homo sapiens dental variability during the Holocene in Western Indonesian archipelago
Sarah Fung et al. Poster Video	A functional analysis of Carabelli trait in Australian Aboriginal dentition
Jinyoung Lee et al. Poster	Functional wear in the Aboriginal frojinyom Yuendumu: A longitudinal study
Petra Šimková et al. Poster Video	Deciduous second molar morphological variation in the Baka pygmies, Cameroon

Meeting Place in Gather.town: Volcano Island

Guillermo Zorrilla-Revilla et al. Poster	Like father like son. Long legs and wide hips also reduce the cost of locomotion in subadults
Olalla Prado-Nóvoa et al. Poster	Carrying for free? Testing the human capability of load transport without added costs
Carlotta Zeppilli et al. Poster	Quantifying the lateralization in the upper limb of historical human populations: a detailed study of the cortical bone distribution in the humeral diaphysis
Maria Mednikova Poster	Concerning macro- and micromorphological variability of fossil human distal phalanges from Pleistocene Altai caves
Emma E. Bird et al. Poster	Internal bone architecture in the capitate of extant hominids
Ana Bucchi et al. Video Preprint	Carpal modularity in African apes and modern humans
Aroa Casado et al. Poster	The insertion sites of the palmar radiocarpal ligaments in Australopithecus afarensis

Annapaola Fedato et al. Poster	Pattern of phalanx flexion during Lower Paleolithic tool haptic exploration
Meeting Place in Gather.town: Giant Foot	
Amélie Beaudet et al. Video	Vertebral trabecular bone structure in <i>Homo</i>, <i>Pan</i> and <i>Papio</i>: implications for the identification and biomechanical interpretation of early hominin vertebrae
William Irvin Sellers & Eishi Hirasaki Poster Video	A bio-robotic solution to achieve targeted hand and foot placement in primate musculoskeletal simulation experiments
Sandra A. Martelli et al. Poster Video	The postnatal ontogeny of the modern hominoid lumbar vertebral morphology – insight into the development of postcranial sexual dimorphism
José María López-Rey Pérez et al. Video	Covariation between mineralized area and shape of the rib cross section in <i>Homo sapiens</i> and <i>Pan troglodytes</i>: implications for the interpretation of <i>Australopithecus africanus</i> Sts-14 ribcage
Marine Cazenave & Amélie Beaudet Video	Hip joint loading differences between <i>Paranthropus robustus</i> and <i>Australopithecus africanus</i> revealed by the cortical bone distribution at the femoral neck
Daniel García-Martínez et al. Video	Evolutionary development of the <i>Homo</i> antecessor scapulae (Gran Dolina site, Atapuerca) from a 3D geometric morphometrics approach
Anneke H. van Heteren & Samuel J. Leeming Video	“Footedness” in orangutans: A Geometric Morphometric approach to understanding lateralisation in Great Apes

Meeting Place in Gather.town: The Handaxe

Lavinia Stancampiano et al. Video	Reconstruction of vegetation and habitat at an early Acheulean site using leaf-wax lipids and isotopes: Thiongo Korongo (Olduvai Gorge, Tanzania)
Jonathan S. Reeves et al. Video	Why foraging ecology matters for understanding the origin of culture in the Oldowan archaeological record: Insights from Kanjera South
Niguss G. Baraki et al. Poster Video	Reduction intensity in Oldowan Assemblages: Perspectives from BD 1 at Ledi-Geraru, Ethiopia
Abay Namen et al.	Preliminary results of the first lithic raw material survey in the

	Poster	piedmont zones of Kazakhstan
	Julien Favreau et al. Video	Multi-Analytical Study of Quartzitic Outcrops at Oldupai Gorge (Tanzania): Implications for Artifact Sourcing
	Irene Megía García et al. Poster	Typo-technological analysis of a bifacial stone tool from Cueva de los Toriles (Carrizosa, Castilla-La Mancha, Iberian Península) and its importance as a new Acheulean site from the Southern Iberian Plateau
	Flavia Venditti et al. Video	An integrated techno-functional study discloses chopping tools use at late Acheulean Revadim (Israel)
	Andion Arteaga-Briebe et al. Poster	The lithic assemblage of the Gran Dolina-TD10.2 kill-butchering site (Sierra de Atapuerca, Spain)
Meeting Place in Gather.town: Saber-toothed cat		
	Phil J. Glauberman et al. Poster	Areni 1 and 2: two new Lower Paleolithic cave sites with core and flake lithic assemblages and faunal remains in Armenia
	Aristeidis Varis et al. Poster Video	Preliminary results of the first geoarchaeological analysis of cave sediments from Kazakhstan
	Li Li et al. Poster	An updated review of the fracture mechanics of flaking and its implications for hominin behavior
	Alba Motes Rodrigo & Claudio Tennie Video	The origins of modern human cultural know-how
	María Silva-Gago et al. Poster	A preliminary survey on visual attention and stone tools
	William Daniel Snyder et al. Poster	Raw material selection and blank standardization in knapping experiments

Meeting Place in Gather.town: Reindeer

	Eva F. Martellotta et al. Video	Retouch-induced marks on Australian hardwood boomerangs: A preliminary analysis
	Joannes Dekker et al. Poster Video	Zooming into the point. ZooMS identification of Mesolithic bone points made with human bone
	Silvia Florindi et al. Video	Evolutive challenges in Gravettian diet. Experimenting the processing of oat
	Zineb Moubtahij et al.	Exploring the diet of the Late Pleistocene population from Taforalt

	Poster	(Morocco, North Africa) using Zn, C, N and Sr isotope ratios
	Alice La Porta et al. Video	Ergonomic strategies and Hierarchical Task Analysis (HTA) of human hand during stone tool production
	Miguel Angel Dilena Poster	Clustering Archaeological Evidence: A Statistical View Point
	Ana Belén Galán López et al. Video	Emorph Project: Reconstructing mobility patterns of <i>Rangifer tarandus</i> during the Late Pleistocene in Southwestern France

Meeting Place in Gather.town: Mammoth

	Marta Modolo et al. Poster Video	Attesting Neanderthal Dwelling Space Use: effects of human occupations in the Middle Palaeolithic record of Fumane cave (Verona, Italy) — ANDSU Project
	Daniela Maio Poster	Neanderthal occupations in Southwestern Portugal: Predictive Models using GIS
	Patrick Cuthbertson et al. Video	Predictive Modelling and Survey of Karstic Caves in the area of the Inner Asian Mountain Corridor in Kazakhstan
	Laurent Bruxelles et al.	Searching for new pieces of the Cradle of Humankind in Southern Africa: HON and HOMME research programs
	Ashleigh L. A. Wiseman et al. Poster	Early American colonisation: Life on the White Sands National Park playa in the Pleistocene
	Alain Queffelec et al. Poster Video	Peer Community In Archaeology - A new system for peer-reviewing of preprints
	Perle Guarino-Vignon et al. Video	Genetic continuity between ancient and recent populations in Central Asia
	Miguel Ángel Moreno-Ibáñez Poster	Reopening a grave: Preliminary taphonomic results of the human remains from the Roc de les Orenetes site (Queralbs, Spain)

Meeting Place in Gather.town: The Fire

	Lauren M. Franklin Video	Continuity and Change in Hominin Technological Behavior at Tabun Cave, Israel
	Cyrielle Mathias et al. Poster	The Middle Paleolithic sites of Brive-Laroche-Aérodrome and their lithic assemblages: a new key-site for the understanding of Neanderthal movement dynamics and technical behavior in Southwestern France

<p>Firas Jabbour et al. Video</p>	<p>Stone Artifacts of Aghitu-3 Cave and a Spotlight on the Earliest Modern Human Behaviors in Armenia</p>
<p>Peter Morrissey et al. Poster</p>	<p>The stratigraphy of Cave 1B at Klasies River Main site, South Africa: clarifying the context of the KRM 41815 human mandible</p>
<p>Donald O. Henry & Miriam Belmaker Video</p>	<p>Evolution of Lithic Technological Systems: Exploring Trend, Tempo and Mode</p>
<p>Davide Delpiano & Thorsten Uthmeier Video</p>	<p>Techno-functional and 3D shape analysis applied for investigating the variability of backed tools in the Late Middle Paleolithic of Central Europe</p>
<p>Lucy Timbrell et al. Video Supplement</p>	<p>Incorporating structure into demographic models of the deep past: a case study from Late-Middle Pleistocene Africa</p>
<p>Cristina Gameiro et al. Poster</p>	<p>The use of quartz during the late Upper Palaeolithic of central Portugal</p>
<p>Ana Abrunhosa et al. Video</p>	<p>Comparing lithic raw material procurement strategies during MIS5 to MIS3: the cases of Navalmaillo Rock Shelter, Buena Pinta Cave and Des-Cubierto Cave (Madrid, Spain)</p>
<p>Guillaume Guérin et al. Video</p>	<p>Is the Quina Mousterian from Chez Pinaud (Jonzac) really the oldest Quina in South West France? Bayesian analysis of OSL data</p>
<p>Marc Dickinson et al. Video</p>	<p>Amino acid dating of mammalian tooth enamel and its potential for building geochronologies in Africa</p>
<p>Fiona Laviano et al. Video</p>	<p>Neanderthals possibly persisting later than thought</p>

4 pm to 4:45 pm Moderated Live Session 2 (Google Meet)

Session Chair: Philipp Gunz

	<p>Lisa Genochio et al. Poster</p>	<p>The development of bite force resistance in modern humans</p>
	<p>Adam van Casteren et al. Video</p>	<p>Quantifying the energetic cost of chewing in humans and its evolutionary significance</p>
	<p>Hannes Rathmann & Hugo Reyes-Centeno Video</p>	<p>The utility of different dental traits and trait combinations for inferring human population history</p>
	<p>Barbara Fischer et al. Video</p>	<p>Patterns of sex differences in the pelvis did not evolve <i>de novo</i> in modern humans</p>
	<p>Ekaterina Stansfield et al. Video</p>	<p>Biomechanics of the pelvic floor constrains the evolution of the human pelvis: A finite element approach</p>
	<p>Zachary Cofran et al. Video</p>	<p>Morphology and maturation of the <i>Homo naledi</i> ilium from the Lesedi Chamber</p>
	<p>Philipp Gunz et al. Video</p>	<p>Australopithecus afarensis endocasts suggest protracted brain growth</p>
	<p>Simon Neubauer et al. Video</p>	<p>Ontogenetic changes of endocranial shape asymmetry in humans and apes</p>
	<p>Christine Charvet Video Preprint</p>	<p>Translating time from transcriptional and structural variation reveals conservation in brain development across humans and chimpanzees</p>
	<p>Hervé Bocherens et al. Video</p>	<p>Out of Savannahstan: Multiproxy evidence on fauna (stable isotopes, ecometrics, tooth mesowear, small vertebrates) from the oldest hominin sites in Southwestern Europe</p>
	<p>Kevin T. Uno et al. Video</p>	<p>Combining fossil enamel stable isotopes and dental microwear texture analysis to assess dietary niche-partitioning among primates (<i>Cercopithecidae</i> and <i>Hominidae</i>) from the Lower Omo Valley, Ethiopia</p>
	<p>Anastasia Nikulina et al. Poster Video</p>	<p>Multiproxy approach for studying hunter-gatherer landscape transformations during the Last Interglacial (Eemian) and the Mesolithic in Europe</p>

Friday 25. September 2020

1 pm to 1.45 pm (CET) — Moderated Live Discussion 3 (Google Meet)

Session Chair: Amanda Henry

Chloë Bartlet et al. Poster	Resolving the timescale of South-Central African palaeoenvironments and their impact on human behaviour and evolution
Jacopo Nicolò Cerasoni et al. Poster	Pleistocene archaeology and tropical paleoecology in West Africa: Preliminary results from fieldwork in Ivory Coast, Benin and Nigeria
Geoff M. Smith et al. Video	Subsistence behaviour during the Initial Upper Palaeolithic of Bacho Kiro Cave (Bulgaria): zooarchaeological and taphonomic analysis across the Middle to Upper Palaeolithic transition
Tsenka Tsanova et al. Video	The Initial Upper Palaeolithic lithic assemblage from Bacho Kiro Cave (Bulgaria)
Emily Coco et al. Video	The Effects of Secondary Recycling on the Technological Character of Lithic Assemblages
Pedro Horta et al. Poster	Intensive re-use of stone tools as bipolar implements in the Initial Upper Paleolithic of Bacho Kiro Cave
Will Archer et al. Poster	Quantifying differences in hominin flaking technologies with 3D shape analysis
Jean-Jacques Hublin Video	Homo sapiens dispersals into Europe in light of the Bacho Kiro Cave results
Marco Peresani et al. Video	At the cross-road of Mediterranean Europe. The human peopling of the Great Adriatic-Po Region during the Last Glacial Maximum
Fulco Scherjon et al. Video	Modelling Late Pleistocene hominins in Western Europe
Eslem Ben Arous et al. Poster	An improved chronology of the Middle Stone Age in El Mnasra cave, Northwestern Africa

Break

2 pm to 3 pm — Unmoderated Live Session 2 (Gather Town)

Please log into our virtual gathering here:

3 pm to 3.45 pm — Moderated Live Discussion 4

Session Chair: Shannon McPherron

Femke Reidsma Video	Footprints of Fire: fundamental research into the effect of diagenesis on heated bone and its implications for the study of fire use in the deep past
Vera Aldeias et al. Poster	An Interdisciplinary Micro-Contextual Laboratory Excavation of Fire Residues from Pech de l'Azé IV (Dordogne, France)
Cruz Ferro-Vázquez et al. Poster	A systematic colourimetric method for identifying heated substrates in archaeological sites
William Murphree et al. Poster	The Evolution of Pyrotechnology in the Early and Middle Upper Paleolithic in Europe
Justin Pargeter et al. Video	Understanding the Stone Age economics of heat treated silcrete
Teresa Steele et al. Poster	Life in the margins: the pre-Still Bay deposits from Varsche Rivier 003, southern Namaqualand, South Africa
Clément Zanolli et al. Poster	Molar enamel thickness distribution and hominid taxonomy
Flavio Altamura et al. Poster	Ongoing ichnological research at the 300 ka Schöningen archaeological site (Germany)
George Konidaris & Vangelis Tourloukis Poster	Early and Middle Pleistocene large carnivore guilds of Europe and their role in the evolution of hominin subsistence strategies: an ecomorphological and behavioral approach
Matt Pope et al. Video	The Boxgrove Horse Butchery Site In Context: Detailed Site Taphonomy and Landscape Scale Interpretation of Middle Pleistocene Hominin Behaviour
Alastair Key & Stephen Lycett Poster	Thinning, resharpening, and tranchet flake removals: how torque creation and force variation along the cutting edges of handaxes may have influenced Acheulean tool production practices

Break

ESHE 2020 — Thursday-Friday, 24-25 September

4 pm Student Prize Awards

4:10 pm to 5 pm General Assembly, Election Results

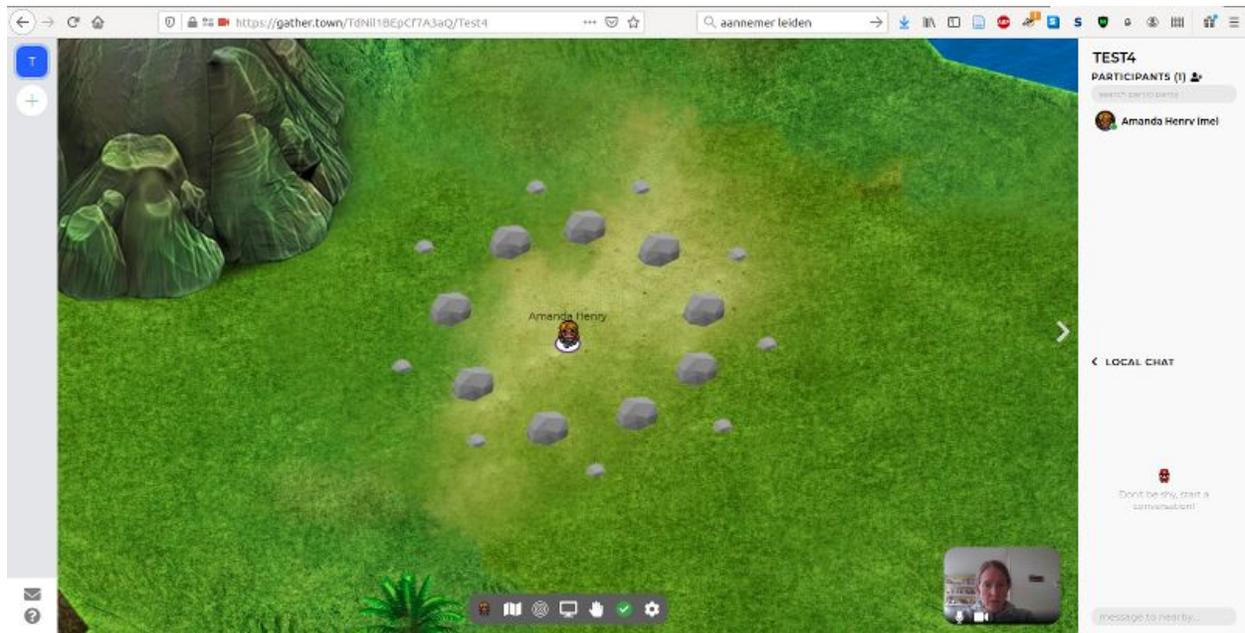
ESHE members are cordially invited to take part in the virtual general assembly.

It is 5 pm: virtual drink

Instructions for Gather Town

Open the website in Google Chrome. For best results, you will need a camera and microphone. If you do not have any, you should still be able to use the 'local chat' function to discuss with presenters, but some of the ease of conversation will be lost.

Log into Gather Town using your full name (first and last) so that people can find you. Once you see this screen, you use the arrow keys to move your avatar around on the map.



The top right side of the screen shows the other participants. If you click on someone's name, you can find them, and a line indicating the fastest route to that person will appear.

At the bottom right is a chat area. You can choose a local chat (only those people near you will see the conversation) or a global chat (everyone will see what you say). Please use the local chat as a general rule.

Across the bottom middle is a small grey menu bar. From the left,

- The first icon is your avatar. If you click on this you can change the appearance of your avatar.
- The second icon (folded paper) is a global map, so you can see where the meeting areas are.
- The third icon (the bullseye) is your interaction radius. Clicking on it changes the range at which you will see someone in the video. **IMPORTANT!** Please reduce this radius to two rings at most; otherwise you may inadvertently join conversations.
- The fourth icon (the computer screen) is the option to share your screen. Please note this function is still in beta and may not work for all systems.
- The fifth icon (the hand) is to signal a question. This function may be helpful if you end up in a large conversation.

ESHE 2020 — Thursday-Friday, 24-25 September

- The sixth icon (the gear) opens the settings tool, where you can log out, change your camera and audio selections, and, if necessary “respawn” (respawning resets your avatar’s position to the center of the map in case you get stuck somewhere).

As you get near to other avatars, the video and sound from that person will appear across the top of your screen. The wider you have your interaction radius set, the more people you can interact with at the same time.