

Training School 1

WELCOME

Introduction to the Use of Geophysical & Soil Science Methods in Archaeology

29 Jul - 2 Aug 2019, Auritz/Burguete

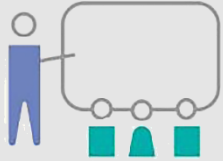


Organisers & Collaborators

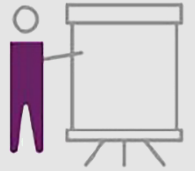
- A new interdisciplinary network of scientists
- Develops, promotes & facilitates research activities bringing together **archaeology, geophysics & soil science**
- To maximise interpretation of proxy data for archaeology



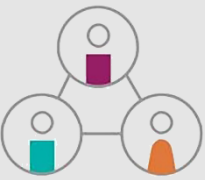
Meetings
Workshops
Conferences



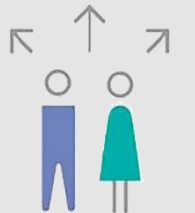
Training Schools



Short-term
Scientific Missions
(STSM)



Dissemination
activities



Organisers & Collaborators



People

SAGA Trainers



Ekhine



Carmen



Armin



Philippe



Roger



Clare



Kseniia



aranzadi

ZIENTZIA ELKARTEA - SOCIEDAD DE CIENCIAS
SCIENCE SOCIETY - SOCIÉTÉ DE SCIENCES

Local
Collaborators



Local
Trainers



Oihane



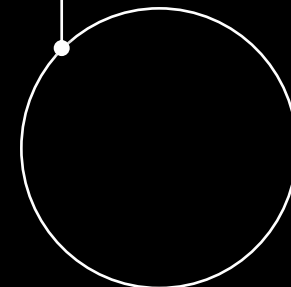
Patricia



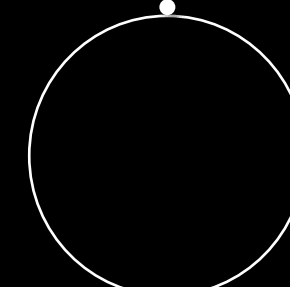
Eder



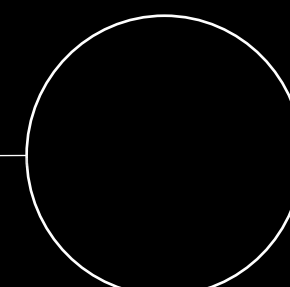
Julia



Eneko



Javier



Eulatz



The Trainees

- 21 participants
- 12 affiliation countries (Spain, Bulgaria, Norway, Montenegro, Croatia, Finland, Poland, Portugal, Cyprus, Slovenia, Belgium & UK)
- 14 nationalities (Spanish, Italy, Bulgarian, Norwegian, Montenegrin, China, Croatian, Polish, Sri Lankan, Cypriot, Slovenian, Italian, Basque-Spanish & Greek)
- Very diverse backgrounds but all working on cultural heritage or archaeological studies
- More during the poster sessions



Programme

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	
9h		LECTURE 3: Soil mag properties & principles and applications of magnetic survey methods for archaeology (by Armin Schmidt)	LECTURE 7: Introduction to geophysical data processing (by Armin Schmidt, Philippe De Smedt & Roger Sala)	To the site	HANDS-ON SESSION 4: Focusing Sessions	
9h30				HANDS-ON SESSION 3: STATION ROTATION on geophysical data collection, soil sampling & soil physico-chemical characterisation (4 stations, ~1h x station)	Option1: Geophysical Data processing (systems depending on availability of lecturers) Option 2: how to process geochemical data Option 3: planning a geophysical survey: what has to be taken into account?	
10						
10h30	Registration & poster's installation (with coffee)	LECTURE 4: Soil elect properties & principles and applications of electric survey methods for archaeology (by Armin Schmidt)	HANDS-ON SESSION 2: geophysical data processing (4 stations, 15' x station)			
11h		Coffee break	Coffee break	Coffee break	Coffee break	
11:30	Welcome & Intro to the training school	LECTURE 5: Soil EM properties & Principles and applications of EMI survey methods for archaeology (by Philippe De Smedt)	LECTURE 8: Multi-element geochemical prospection and characterisation of archaeological deposits (by Clare Wilson)	HANDS-ON SESSION 3 (continuation)	HANDS-ON SESSION 5: Cross-interpretation of the results	
12h	LECTURE 1: Intro to archaeological prospection & archaeo-geophysics (by Carmen Cuenca García)					
12h30						
13h	LECTURE 2: Intro the archaeological site of Iturissa (by Ekhine García García)	LECTURE 6: Principles and applications of GPR survey methods for archaeology (by Roger Sala)	LECTURE 9: Soil properties and processes and the interaction with geochemical parameters (by Clare Wilson)		Closing	
13:30	LUNCH BREAK					
14h						
14:30						
15h	To the site	To the site		To the site	Optional trip to Pamplona	
15H30	Visit of Archaeological site of Iturissa (by Oihane Mendizabal)	HANDS-ON SESSION 1: STATION ROTATION on geophysical survey systems & field operation at the archaeological site (4 stations, 4 rotations/groups, 30' x station)	LECTURE 10: Introduction to sediment analyses on boreholes & How to interpret soils (by Eneko Iriarte)	HANDS-ON SESSION 3 (continuation)		
16h						
16h30						
17h	Presentation of trainees & poster session	HANDS-ON SESSION 1 (continuation)	LECTURE 11: Magnetic properties of soils and archaeological materials: sampling, measuring, interpreting (by Kseniia Bondar)	HANDS-ON SESSION 3 (continuation)		
17h30			Feedback session & option selection by each trainee for the Focusing Sessions on Friday	Back to Burguete		
18h						
		Back to Burguete				
18:45						
19h	Group Photo			SOCIAL DINNER @ Camping Urrobi		

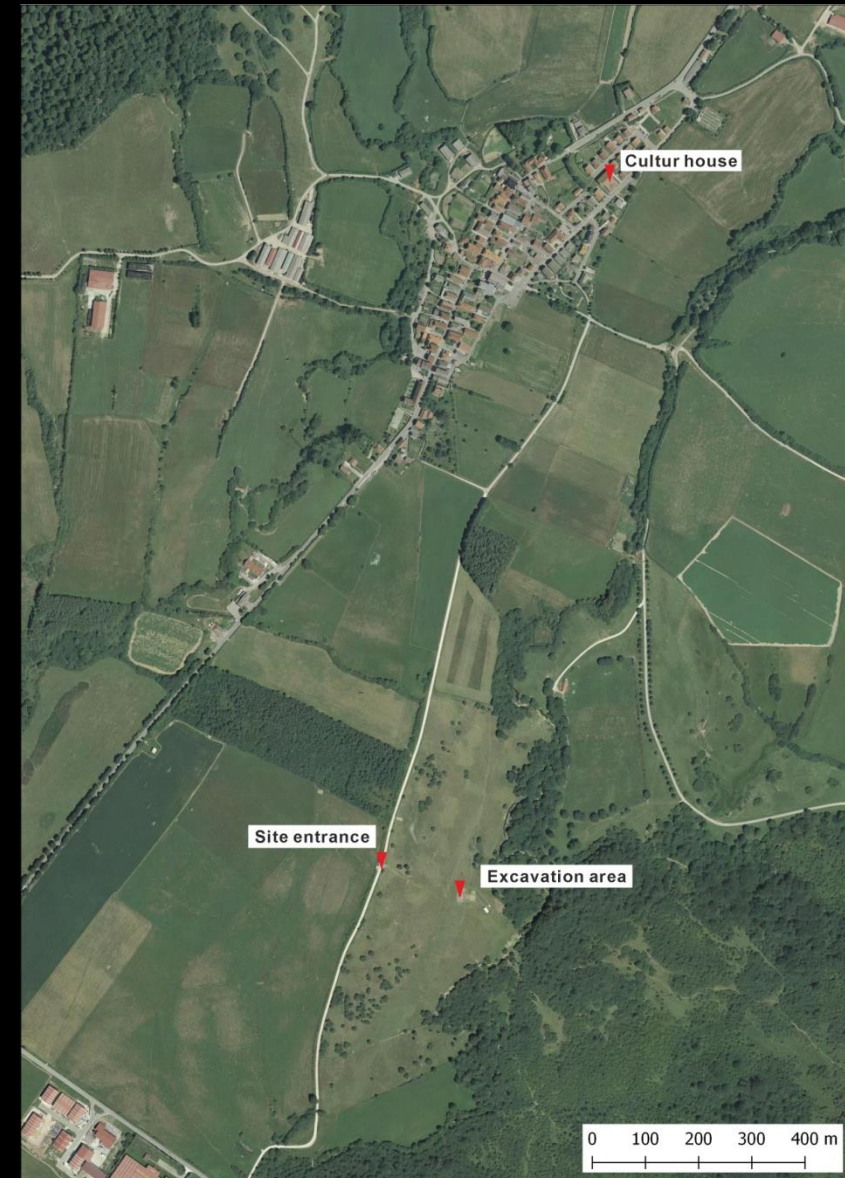
Travelling to the site

Sessions at the site:

Monday, Tuesday and Thursday

The site is located 5min away by car

1. Everybody will meet at the venue
2. People are divided in fixed car groups



Travelling to the site

Car groups:

1. Alexandre Duró:

Deyan Veselinov
Marina Faka
Erik Kjellman
Huiru Lian
Jelena Behaim

2. Caterina Rafonne

Jussi-Pekka Kinnunen
Katarzyna Agnieszka
Kishan Amarasinghe

3. Michelle Abballe

Patricia Reyna
Julia Muñoz
Milan Gazdic

4. Oihane Mendizabal

Eder martinez
Mateja Ferk
Marina Eguíluz
Robert Ryndziewicz

5. Roger Sala

Philippe De Smedt
Armin Schmidt
Pablo Barruezo
Vasiliki Andreaki

6. Ekhine Garcia

Kseniia Bondar
Carmen Garcia-Cuenca
Clare Wilson



At the site

1. There are cows and horses: always close the entrance.
2. They are used to people, but do not disturb them.
3. There are no facilities, only a tent.
4. We will bring water but take an individual bottle.
5. There is no shadows, take protection.
6. Thursday coffee break at the site, lunch at Loizu (optional)



Hands-on sessions

Trainees will be divided in four groups

Group 1

Michelle Abballe
Kishan Amarasinghe
Vasiliki Andreaki
Pablo Barruezo
Jelena Behaim

Group 2

Alexandre Duró
Marina Eguíluz
Marina Faka
Mateja Ferk
Milan Gazdic

Group 3

Katarzyna Agnieszka
Erik Kjellman
Deyan Veselinov
Patricia Reyna
Oihane Mendizabal

Group 4

Eder Martinez
Julia Muñoz
Robert Ryndziewicz
Caterina Rafonne
Huiru Lian
Jussi Kinnunen



To remember

- Sign the attendance list EVERYDAY!
- Be ready for the Group Picture today
- Questions?