

XVIII INTERNATIONAL SEMINARS

OVERARCHING ISSUES OF THE EUROPEAN AREA

Building Sustainable and Resilient Territories

Faculty of Arts and Humanities
University of Porto

OVERARCHING
ISSUES OF
EUROPEAN AREA 

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FLUP FACULDADE DE LETRAS
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FEP FACULDADE DE ECONOMIA
UNIVERSIDADE DO PORTO

CEGOT
CENTRO DE ESTUDOS DE GEOGRAFIA
E DE DEMONSTRAÇÃO DE SERVIÇOS

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DE GEOGRAFIA



The role of parish councils in georeferencing for Emergency Planning

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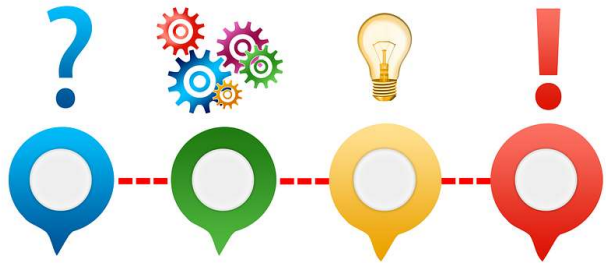
Portugal is, among the 27 in the European Union, the country that is aging the fastest and, at this point, already has around 25% of elderly people over 75 living alone, according to Eurostat.

In total, there are around 304,000 - 3/4 are women - who live alone in various districts of the country, which is equivalent to around 25% of the population over 75 years of age.

Problem identification

- Scattered territories ;
- Accessing is difficult;
- Infrastructure insecurity;
- Strong connection to the territory;
- Aging inhabitants;

Strong exposure of
vulnerable
communities to the
danger of rural fire



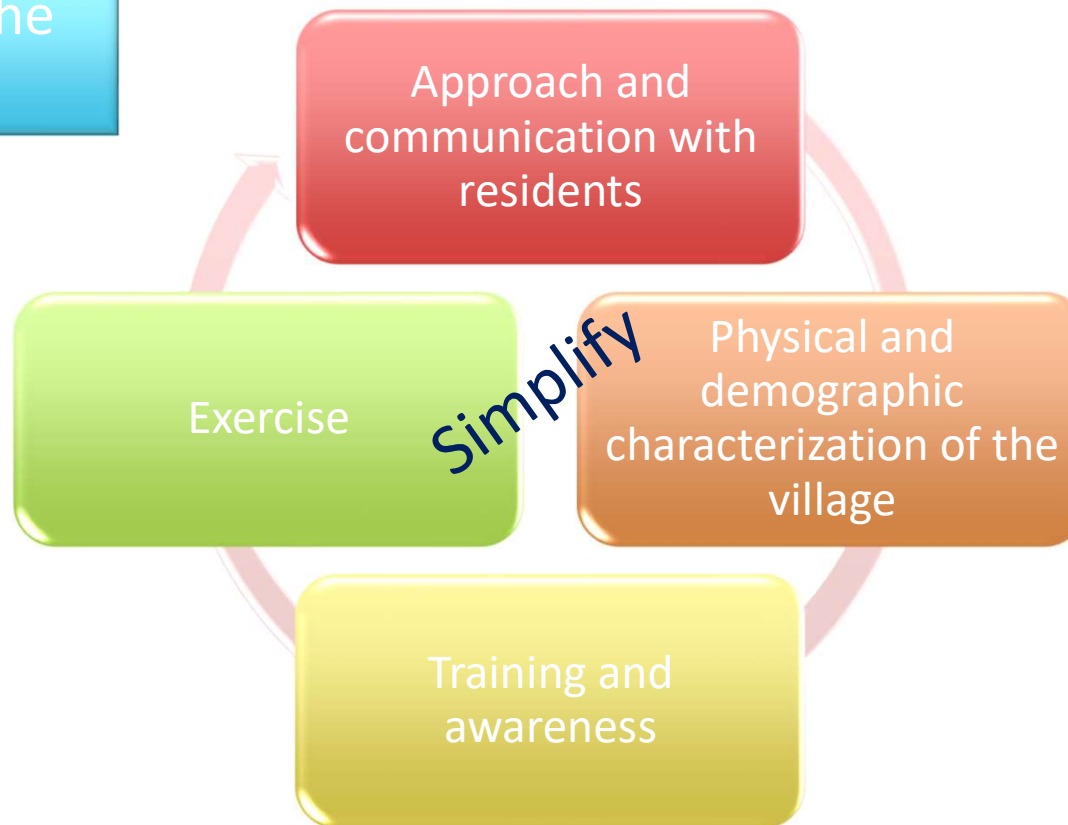
Projeto Piloto “Close and safe parish”

- Coordination with the JF in identifying highly vulnerable situations



Junta de Freguesia
Lousã e Vilarinho

Identification of the
cluster at risk



Continuity

Approach and communication with residents

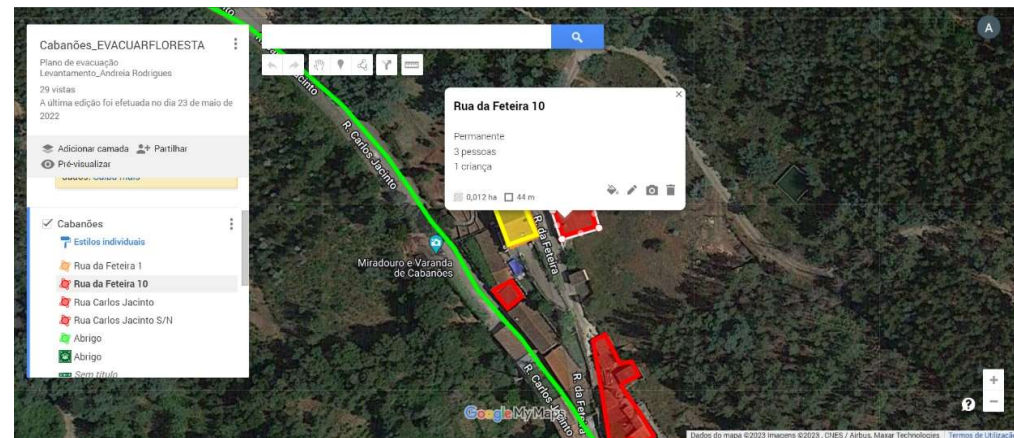
- Collection of information, fire history, concerns and essentially proposed solutions.



Physical and demographic characterization of the village

- Field surveys of the physical and demographic characteristics of the village

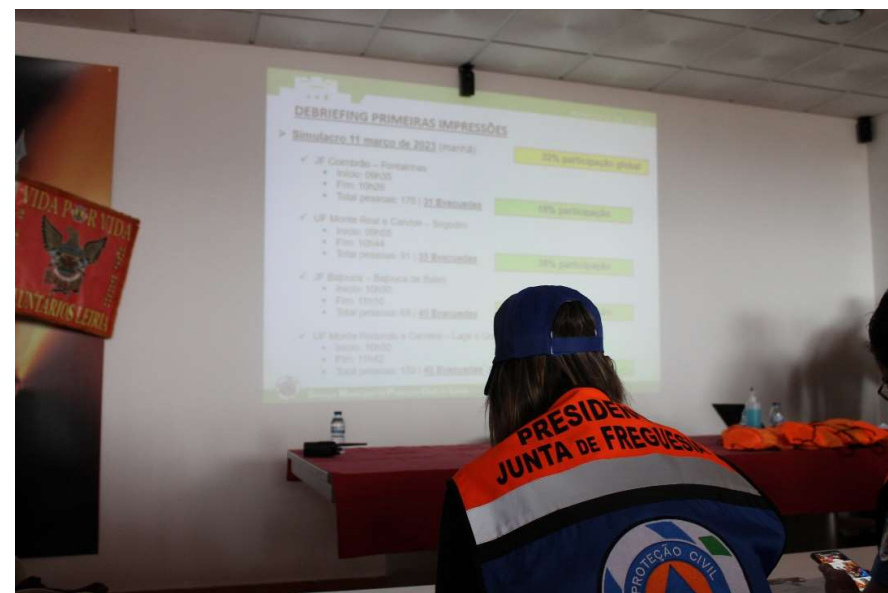
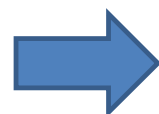
Challenge: keeping demographic characterization updated



Características dos Habitantes											
Freguesia	Aglomerado	Rua	Nº de Policia	Habitado (s/N)	Tipo de Habitação	nº de Habitantes	nº Crianças	nº Mobilidade reduzida	nº Pessoas com idade superior a 65 anos	Nº de Acamados	Observações
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	s/n	Sim	Permanente	1	0	0	0	0	Estrangeiro
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	26	Sim	Permanente	3	0	0	2	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	24	Não	Não permanente	2	0	0	2	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	22	Sim	Não permanente	2	0	0	2	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	15	Sim	Não permanente	2	0	0	2	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	20	Não	Não permanente	0	0	0	0	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	18	Não	Não permanente	0	0	0	0	0	Alojamento Local com capacidade para 4 pessoas
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	13	Não	Não permanente	0	0	0	0	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	16	Não	Não permanente	0	0	0	0	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	14	Sim	Permanente	2	0	1	2	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	11	Não	Devoluta	0	0	0	0	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	12	Não	Devoluta	0	0	0	0	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	10	Não	Devoluta	0	0	0	0	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	11	Sim	Não permanente	3	0	0	2	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	8	Não	devoluta	0	0	0	0	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	9	Não	Devoluta	0	0	0	0	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	6	Sim	em recuperação	0	0	0	0	0	
Vilarinho Cabanões	Cabanões	Rua Carlos Jacinto	4	Sim	Não permanente	2	0	1	2	0	
Vilarinho Cabanões	Cabanões	Rua da Feteira	1	Sim	Não permanente	6	0	0	2	0	
Vilarinho Cabanões	Cabanões	Rua da Feteira	10	Sim	Permanente	3	1	0	0	0	
Total habitantes						26,00			16,00		
Total habitantes permanentes						9					
Porcentagem de pessoas com mais de 65 anos						62%					

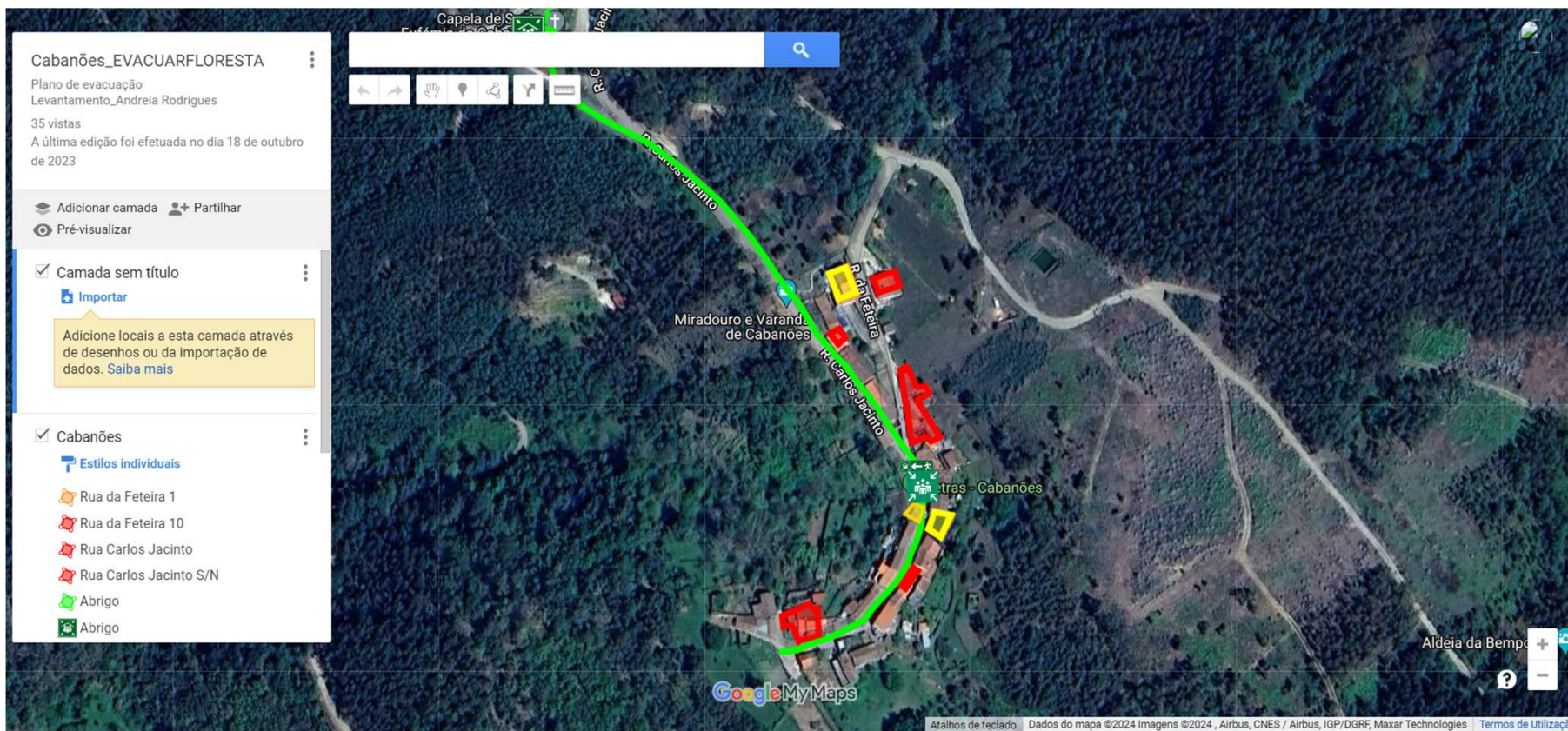
Problems of these two phases

- Lack of human resources in SMPC;
- Lack of time to carry out these actions;
- Difficulty interacting with the population



Georeferencing

1. Use of the My maps tool – free and easy to access on smartphones;
2. Once the base is built, authorized users can add or update information at any time;
3. Can be printed or consulted offline on your cell phone;
4. No need to install anything or very complex GIS programs.



Corgo de Baixo
Enquadramento da aldeia quanto ao risco de incêndio
284 vistas
A última edição foi efetuada no dia 8 de fevereiro

Adicionar camada **Partilhar**
Pré-visualizar

- Habituação Permanente
- Habituação Não Permanente
- Casa Devoluta
- Casa Devoluta
- Casa devoluta
- Casa devoluta
- Arrumos agriculas
- Abrigo
- Zona com casas devolutas e ...
- Sinalética 1
- Ponto 24
- Sinalética
- Ponto 26
- Garantir limpeza da envolvent...

The screenshot displays a GIS application interface. On the left, a sidebar shows the title 'Corgo de Baixo' and a description: 'Enquadramento da aldeia quanto ao risco de incêndio'. It also indicates '284 vistas' and 'A última edição foi efetuada no dia 8 de fevereiro'. Below this, there are two main actions: 'Adicionar camada' and 'Partilhar', with 'Partilhar' circled in red. A 'Pré-visualizar' option is also present. A legend lists various categories with corresponding icons and colors: 'Habituação Permanente' (green), 'Habituação Não Permanente' (purple), 'Casa Devoluta' (purple), 'Casa devoluta' (purple), 'Arrumos agriculas' (orange), 'Abrigo' (red house icon), 'Zona com casas devolutas e ...' (purple), 'Sinalética 1' (blue arrow), 'Ponto 24' (blue arrow), 'Sinalética' (blue arrow), 'Ponto 26' (blue arrow), and 'Garantir limpeza da envolvent...' (yellow triangle). The main map area shows an aerial view of a village with buildings outlined in various colors (green, purple, orange) and several blue arrow icons pointing to specific locations. Two red arrows point to a yellow triangle icon and a red house icon on the map. The interface includes a search bar at the top, navigation controls (back, forward, home, etc.), and a zoom-in (+) button at the bottom right.



Test group



- Invitation to several parishes to use this system for a year, where the advantages of the system will be evaluated;
- Permanent monitoring of the maps, by the research team, to monitor the use that parish councils give to the system;
- Training actions on the use of the system.

Training and awareness

- Involve as many people as possible.
- Avoid moving people and, with time, involve them.

Challenge: involving people



Exercises



Challenge: involving people



Some conclusions



- In an emergency, every minute counts and any help can be valuable, if it is organized and coherent.
- the proximity of people to parish councils allows for better identification and collection of people with special needs and differentiated assistance

Some conclusions...



- With simple, free and easily accessible tools, we can promote the collaboration of parish councils, involving them more in what is their responsibility in PC matters and above all.....

“REINVENT and ADAPT....”

“The ability to achieve victory by changing and adapting to the enemy is called genius.”

Sun Tzu- The art of war



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