



LIFE LINES (LIFE14 NAT/PT/001081)  
Rede de Infraestruturas Lineares com Soluções Ecológicas  
Projeto cofinanciado a 60% pelo Programa LIFE – Natureza  
e Biodiversidade da Comissão Europeia

## BENEFICIÁRIO COORDENADOR    BENEFICIÁRIOS ASSOCIADOS





# Results and impacts of LIFE LINES Volunteering Program

Implementing a green-infrastructure with volunteers

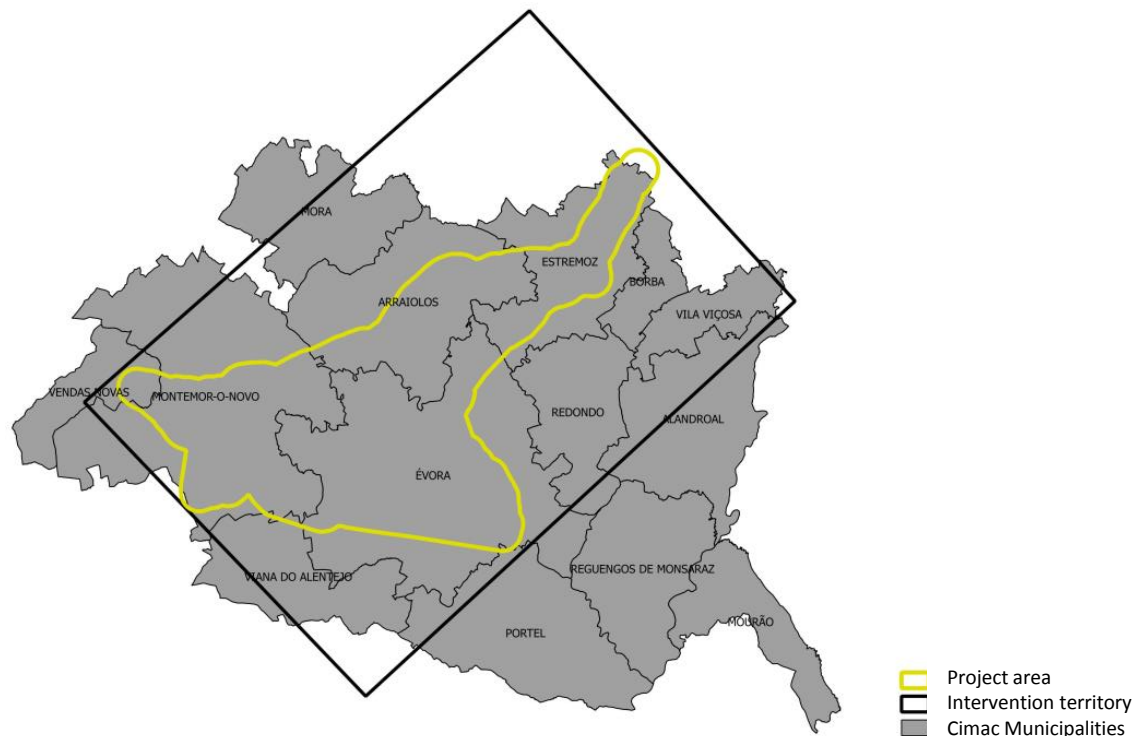
Marta Mattioli, Rosa Coelho, Lúcia Pereira  
**MARCA ADL**

**IENE International Conference**  
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## LIFE LINES | Main goals

- *To test, evaluate and disseminate practices aimed at mitigating negative effects of linear infrastructures on various species of fauna.*
- *To promote the creation of a Green Infrastructure to support biodiversity conservation in project area.*

## LIFE LINES | Project area



*Portugal-Spain interconnection corridor covering 5 municipalities, including Montemor-o-Novo and Évora.*

## LIFE LINES | Context

- ✓ Road infrastructure density - high traffic flow (including railways and a network of medium and high voltage power distribution lines)
- ✓ Study of the problem of interconnection corridors between areas of high conservation value, associated with mortality, barrier effect, isolation of populations and, in general, reducing the connectivity of the landscape (UEvora)



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## Coordination

## Co-funding



## Partners



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## MARCA ADL | About us

Local Development association | ONGA

It contributes to the integrated development of the municipality of Montemor-o-novo in three areas:

- ✓ Environment
- ✓ Social
- ✓ Heritage and culture

## Overall goals | MARCA ADL

- ✓ Support the creation of a green infrastructure, capable of reducing the negative impact of grey infrastructure on biodiversity.
- ✓ Involve different stakeholders and the community in general in nature conservation actions.



## Specific goals | MARCA ADL

- ✓ Increase the availability of native plant species for conservation actions;
- ✓ Promote and disseminate (good) practices for the creation of green infrastructure;
- ✓ Promote knowledge and alert to the impacts of grey infrastructure on biodiversity and nature conservation;
- ✓ Encourage the involvement of citizens and organizations in conservation actions;
- ✓ Promote pro-environmental / biodiversity conservation behaviours.

## Volunteering program | Marca-ADL

- ✓ Design, implementation, monitoring & evaluation
- ✓ Coordination of own and partners volunteering activities



### Target audience:

- Individuals: youngsters, overall citizens and landowners
- Organizations: associations and enterprises

## Volunteering program | LIFE LINES

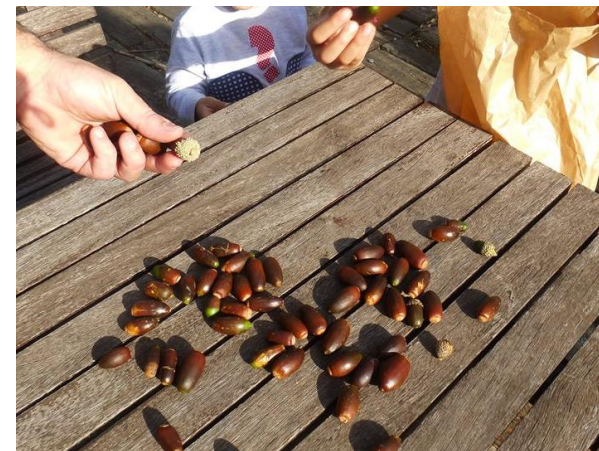
### ✓ Volunteering activities type:

- Seed collection
- Plant nursery maintenance
- Plant Invasive species control (*Arundo donax*, *Acacia dealbata*, *Acacia melanoxylon*, *Ailanthus altissima*, *Robinia pseudoacacia*),
- Planting activities and habitat restoration

### ✓ Artistic - pedagogical and leisure activities

### ✓ Thematic activities

### ✓ Evaluation - Enquiries to participants



## Volunteering program | Evaluation and monitoring

Objectives	Indicadores	Instruments
Increase the availability of native plant species for conservation actions	Number of plants produced Quantity of seeds produced	Registration grids
Promote and disseminate (good) practices which contribute to the creation of green infrastructure	Participation in events Number of publications / leaflets	Communication documents Program of events Report
Promote knowledge and alert to the impacts of grey infrastructure on biodiversity and nature conservation	Number of volunteering actions Number of communication documents Frequency of updates in project communication channels	Enquiries
Encourage the involvement of citizens and organizations in conservation actions	Number of participants involved in the activities Number of organizations involved in the actions	Enquiries
Promote pro-environmental / biodiversity conservation behaviors	Degree of satisfaction in activities Degree of motivation to participate in environmental volunteering actions Perception of pro-environmental behaviors	Enquiries



## Volunteering program | Results & Impacts

- ✓ 135 volunteer activities have been carried out
- ✓ Involving 2942 participants
- ✓ Involving 39 organizations

### Plant nursery

- ✓ 15 kg of *Quercus rotundifolia* acorns were collected
- ✓ 18 kg of *Quercus suber* acorns were collected
- ✓ 29.000 plants were sown
  - ✓ 56 wooden species
  - ✓ 43 herbaceous species

### Direct intervention in green infrastructure

- ✓ 0,21 ha planting area
- ✓ 265 plants
- ✓ 0,29 ha area with IAS controled



## Volunteering program | Results & Impacts

- ✓ Active and direct involvement, in an increasing and continuous way, of the various actors in conservation actions
- ✓ Greater accountability and community participation in resolving issues that endanger nature conservation in general and biodiversity in particular with regard to the negative effects of grey infrastructure.
- ✓ Results sustainability and subsequent replication in other locations.



# Thanks

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**WEBSITE** | [www.marca-adl.pt](http://www.marca-adl.pt)

**E.MAIL** | [lines@marca-adl.pt](mailto:lines@marca-adl.pt)

**SOCIAL NETWORKS** | [@marca.adl.ngo](https://www.facebook.com/marca.adl.ngo)