

# DINAMO LIFE PROJECT



**DINAMO: Increasing endangered bioDiversity iN  
Agricultural and semi-natural areas: innovative  
Management mOdel**

**Angela Tavone  
University of Study of Molise**

# PROJECT OBJECTIVE

LIFE + DINAMO

LIFE 08 NAT/IT/00324



The project idea was born from the premise that biodiversity loss can be stopped through interventions in the matrix of agricultural and rural areas.

Promote the conservation and enhancement of biodiversity in agricultural and seminatural areas, creating an innovative model for the integrated management of interventions in the area, involving public and private entities.



# PROJECT PARTNERS



## PROJECT DURATION:

**3 years (January 2010 – December 2012)**

## PARTNERS:

- ❖ **UNIVERSITY OF STUDY OF MOLISE** (coordinating partner)
- ❖ **ENEA** (Institution for new technologies, energy and environment)
- ❖ **IGEAM DD** (company of consulting and services for the environment and the territory)
- ❖ **CIA** (Italian confederation of farmers)



# PROJECT ACTORS

## 17 FARMS

N.	FARMS
1	Bevilacqua Carlo
2	Blascetta Marco
3	D'Angelo Sonia
4	Di Biase Lino
5	Di Lorenzo Gabriele
6	Di Martino Nicolina
7	Giovanditti Anna Pina
8	Iurescia Duilio Antonio
9	L'Opera Società Agricola
10	Maddaloni Paolo
11	Marcucci Livio
12	Pallotta Elena
13	Patuto Alessandro
14	Petrarca Antonio
15	Pinti Luigi Roberto
16	Turco Sandra
17	Zappitelli Marco

## 4 MUNICIPALITIES

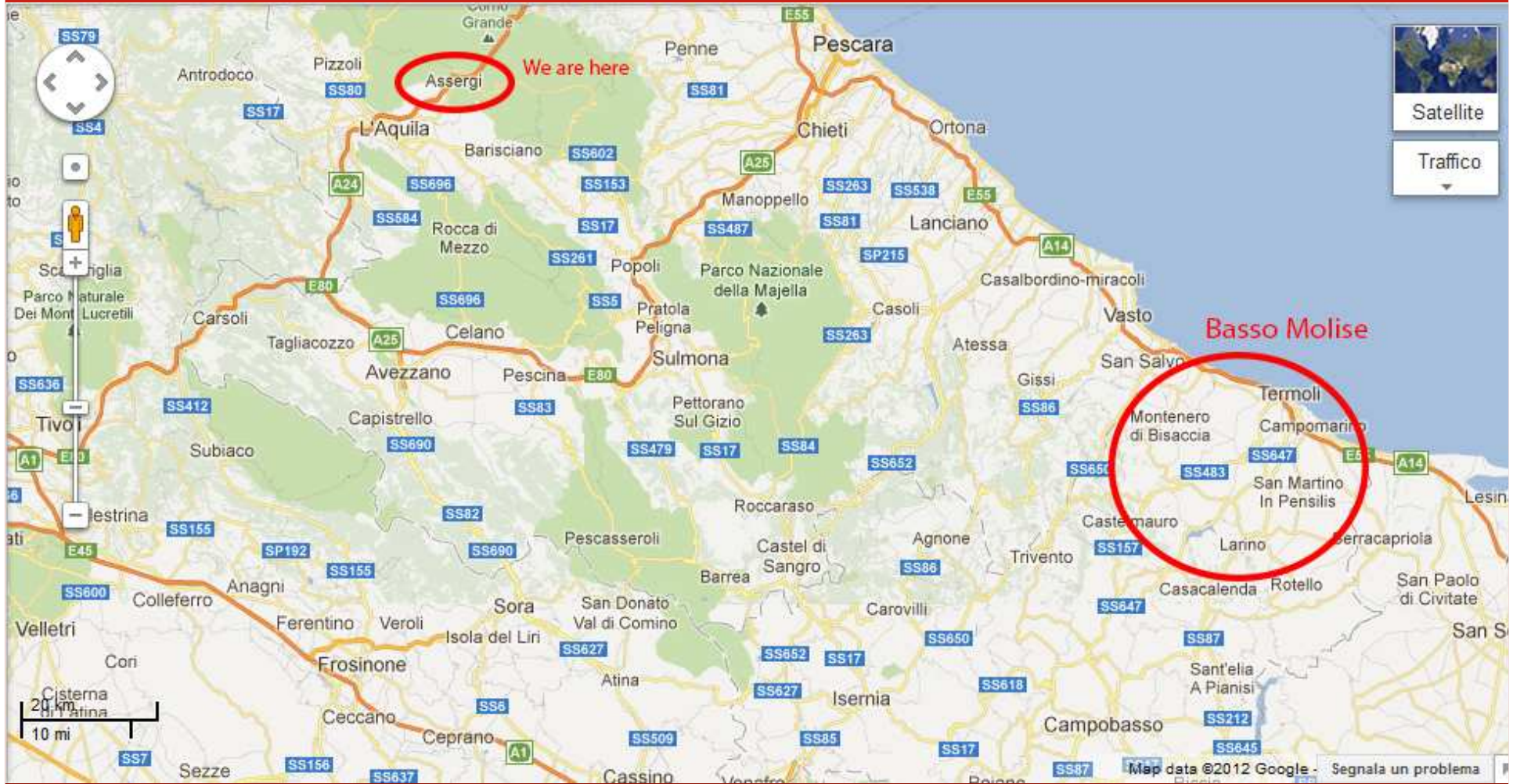
MUNICIPALITIES
Campomarino
Guglionesi
Petacciato
Termoli

## 1 LOCAL ENVIRONMENTAL ASSOCIATION

ASSOCIATION
Ambiente Basso Molise Onlus



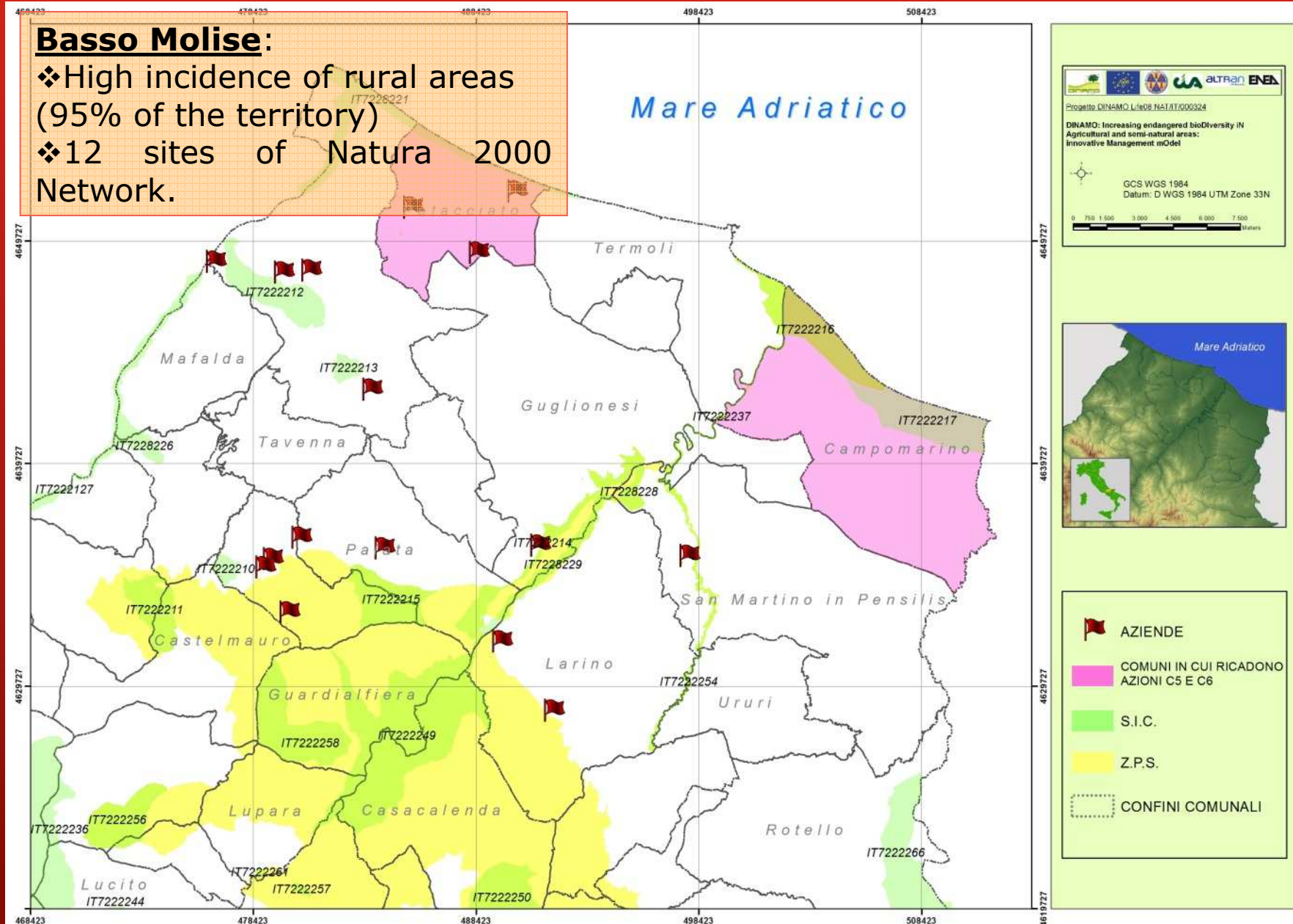
# PROJECT AREA



# PROJECT AREA

## **Basso Molise:**

- ❖ High incidence of rural areas (95% of the territory)
- ❖ 12 sites of Natura 2000 Network.



# PROJECT STEPS

## ○ PREPARATORY ACTIONS

- Project management
- Analysis of the local context
- Identification of good practice
- Implementation of a Decision Support System
- Identification of needs and types of intervention
- Process of stakeholder consultation and engagement

## ○ CONCRETE CONSERVATION ACTIONS

- Implementation of direct interventions
- Implementation of best practice interventions

## ○ RESULTS DISSEMINATION

- Informative workshops
- Manual and guidelines

## ○ MONITORING

- Management and monitoring of the project
- Biodiversity Monitoring



# CONSERVATION ACTIONS



**C.1 – Installation of artificial nests for the Red kite (*Milvus milvus*).**

## Working steps

- ❖ Identification of suitable sites
- ❖ Purchase or construction of 9 nests
- ❖ Installing nests
- ❖ Monitoring and control of nests
- ❖ Compilation of the diary of campaign





# CONSERVATION ACTIONS



**C.2 – Installation of artificial nests for European roller (*Coracias garrulus*).**

## Working steps

- ❖ Identification of suitable sites
- ❖ Purchase or construction of 120 nests
- ❖ Installing nests (by farmers)
- ❖ Monitoring and control of nests
- ❖ Compilation of the diary of campaign



# CONSERVATION ACTIONS

C.3 - Protection of Calandra lark (*Melanocorypha calandra*), Tawny pipit (*Anthus campestris*) and Short-toed lark (*Calandrella brachydactyla*) nesting in cereal crops and lucerne and seed grass parcels through flushing bars.



## Working steps

- ❖ Construction of the flushing bars for 10 tractors
- ❖ Arrangement of the bars
- ❖ Education of farmers to the use of flushing bars
- ❖ Compilation of the diary of campaign

# CONSERVATION ACTIONS

**Italian crested newt**



**C.4 - Restoration of trough to increase availability of suitable habitats for the Apennine Yellow bellied toad (*Bombina pachypus*) and the Italian crested newt (*Triturus carnifex*).**

**Apennine Yellow bellied toad**



## Working steps

- ❖ Identification of troughs placed in a suitable environment (abundant vegetation)
- ❖ Cleaning, restoration and monitoring of the predators absence
- ❖ Any reconnection to the water supply
- ❖ Translocation of toad and newt eggs from neighboring areas
- ❖ Monitoring of the life cycle and the density of the species
- ❖ Compilation of the diary of campaign

# CONSERVATION ACTIONS

## C.5 - Planting of native trees and shrubs along the trenches and the banks of rivers.

Objective: Activate the restoration of natural vegetation along some areas on the margins of rivers, streams and ditches.

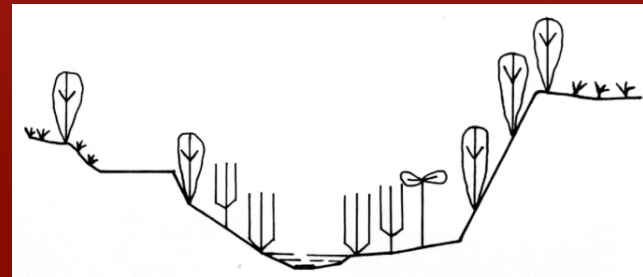
Natural condition of a bank



Present condition of a bank



Objective at Life project ending



# CONSERVATION ACTIONS

## C.6 – Reforestation of small degraded areas.

**Objective:** Activate the restoration of natural vegetation to create extended habitats in agricultural environment to encourage the presence of birds and reptiles species (Red kite, Hermann tortoise, pond turtle, newt, etc..).



Red kite



Hermann tortoise



Pond turtle



Newt



Fonte: UNIMOL, 2010

# CONSERVATION ACTIONS

## C.7 - Native vegetation recover in marginal areas and along farm boundaries.

Objective: expand natural areas in agro-ecosystems, increasing the naturalness and biodiversity in areas close to the SCIs and SPAs of the Natura 2000 ecological network.



Where? Farm land currently poorly used and buffer zones of streams and ditches.

# CONSERVATION ACTIONS

## C.8 - *Ex-situ* conservation and propagation of native shrubs and trees ecotypes.

**Objective:** collect, preserve and propagate seeds of native shrub and tree species for plant material useful to the actions of planting.



**Where?** The **Germplasm Bank of Molise** (placed in the University of Molise) collects and processes the plant material for propagation and distributes seedlings in seedbeds of companies and nurseries.

**Interventions:** the plants obtained are used for reforestation actions (C.5 - C.6) in 8 hectares of public lands and/or municipal ones.





# HOW DOES THE DINAMO MODEL WORK?



**DINAMO IS A DEMONSTRATIVE MODEL** that bases its strength on the active participation of public and private entities in the definition, creation and sharing of policies and practical activities on the territory to encourage biodiversity and its monitoring.

The two components of the model are:

## CONSERVATION ACTIVITIES



## PARTICIPATION ACTIVITIES





# PARTECIPATION ACTIVITIES

## AGRIFORUM



The **AGRIFORUM** is the meeting place of ideas and needs where you can find agreements, define design ideas and make decisions in the name of biodiversity conservation and local development.



## ACTION NETWORK



The **ACTION NETWORK** is the "operational arm" of the DINAMO Model. It is formed by farmers who have made themselves available to carry out the practical actions in the project.



# PROJECT WEAKNESSES

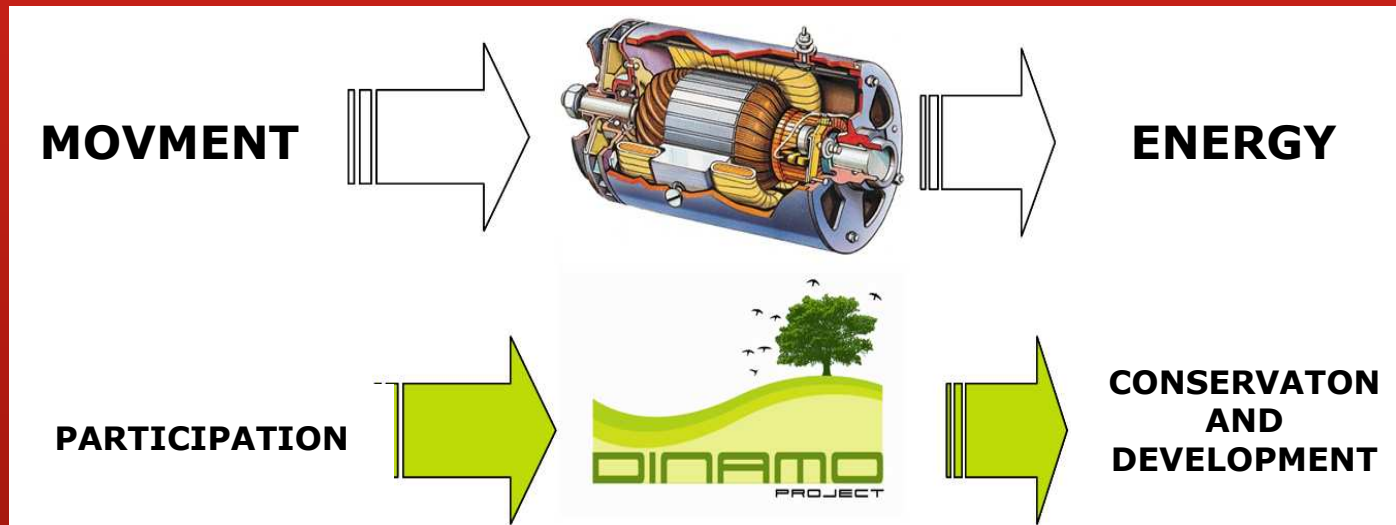
The **weaknesses** of the project are:

- Difficulties in reconciling the farmers' work field with the practical actions of the Life project.
- Initial problems to transmit to farmers the effectiveness of conservation actions.
- Difficulties to involve the public administrations.
- Vandalism.



# THE FUTURE OF THE DINAMO MODEL

Transform the mere participation of each stakeholders into a great opportunity for growth and development.



- Present possibilities:
- ❖ **Brand DINAMO**
  - ❖ **Ethical purchasing group**
  - ❖ ...

# PROJECT POPULARIZATION

## Material for disclosure

**Logos:** ENEA, IGEAM, CUA, and the European Union flag.

**Avvio del progetto DINAMO**  
"Incremento della biodiversità a rischio di estinzione nelle aree agricole e seminaturali: un modello di gestione innovativo"

**24 marzo 2010 | ore 10:00 | TEAMOU**  
Atto di Avvio della Fase di Implementazione  
via Duca degli Abruzzi

**Newsletters**  
Dove? Perché?

**THE DINAMO PROJECT**  
LIFE04 NAT/IT/000000

**UNIVERSITÀ DEGLI STUDI DEL MOLISE** | **CUA** | **ENEA** | **IGEAM** | **DEVELOPMENT DURAIBLE**

# PROJECT POPULARIZATION

Web Site

<http://www.life-dinamo.it/>

Ti trovi in: Home

Home

Partner

Background

Activities

Sites

Links

+ - =



cerca...

## Ultime notizie

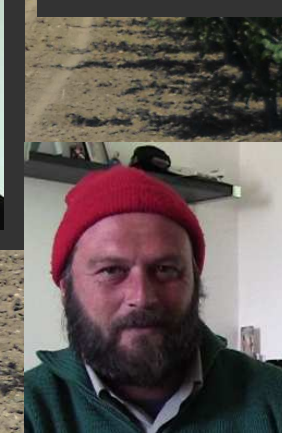
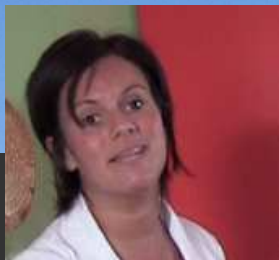
- ✓ Beneficiari
- ✓ Activities
- ✓ Il Progetto DINAMO
- ✓ News

## I più letti

- ✓ Beneficiari
- ✓ Il Progetto DINAMO
- ✓ Activities
- ✓ Noi siamo volontari

# THE FUTURE OF THE DINAMO MODEL

If the Dinamo Model works in the future, it will be thanks to each of them...



**Thank you**