

## Demonstration of good practices to minimize impacts of wind farms on biodiversity in Greece « LIFE Windfarms & Wildlife »

**PROJECT LOCATION:** Keratea, Attica

**BUDGET INFO:**

Total amount: 894.784 €

% EC Co-funding: 50%

**DURATION:** Start: 01/10/2013 - End: 30/09/2017



**PROJECT'S IMPLEMENTORS:**

**Coordinating Beneficiary:** Centre for Renewable Energy  
Sources and Saving

**Associated Beneficiary:** NCC Ltd.



## BACKGROUND and AIMS:

The projects' objectives are:

- To collect sufficient experience and demonstrate biodiversity compatible practices in wind farm operation
- To demonstrate the use of mitigation equipment and technologies suitable for Mediterranean and Greek conditions
- To provide guidance for better planning in wind farm - biodiversity impact assessment

## MAIN EU POLICIES TARGETED:

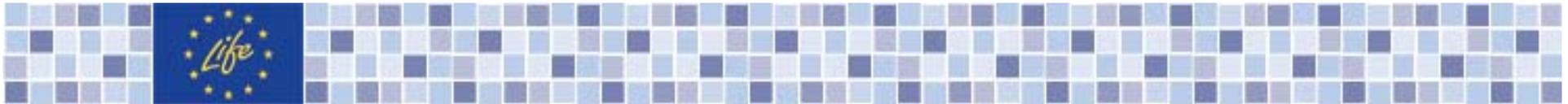
### Wind energy developments and Natura 2000

-Through the demonstration of the practical application of post-construction assessment and post-construction mitigation and through emphasizing on minimizing impacts of wind farms on biodiversity outside sensitive sites such as those of the Natura 2000 network

### Halting Biodiversity Loss and EU Birds and Habitats Directives

- Through the contribution to the European Union efforts to continually improve the conservation status of species/ habitats of European interest through production of guidelines and promotion of methods and techniques, which will reduce the impact of wind farms on biodiversity, primarily birds, bats.



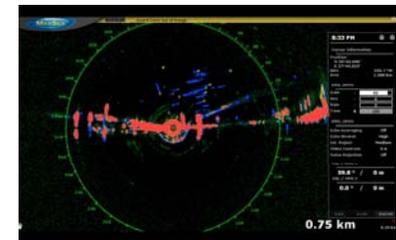


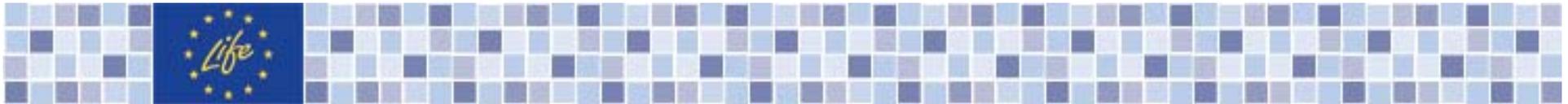
## MAIN ACTIVITIES:

### Demonstration of Early Warning Systems and mitigation technologies:

A series of advanced mitigation measures, such as high resolution video cameras, acoustic surveillance systems and use of Mobile Avian Laboratory, to reduce collision risk will be installed and work at PENA demonstration wind farm. In parallel measurements for the impact of the mitigation measures on power production of the wind farms will be estimated.

The project will focus on the awareness of the key stakeholder groups including (A) Wind farm developers, (B) Employees of the competent authorities in Greece, (C) Environmental Consultants, (D) Environmental NGOs and (E) Biodiversity scientists, (F) Local communities and stakeholders – concerning the implementation of novel methods of reducing impacts of wind farms on biodiversity.





## EXPECTED RESULTS:

- Assessment of the efficiency and the benefits of the systems in term of reducing bird and bats mortality after the implementation of mitigation measures
- Estimation of energy production reduction due to implementation of collision risk mitigation measures
- Production of a Good Practice Guide providing detailed information, guidelines, methodologies for implementation of measures of reducing the impact of wind farms on biodiversity in potential new and existing wind farms in Greece and eastern Mediterranean
- Production of a Decision Support Tool - a GIS based tool for assisting meaningful decisions regarding planning and operation of wind farms in Greece, based on wind farm characteristics entered by users and existing geographical and ecological info for the site.

