

## What does ZENAPA want to achieve?

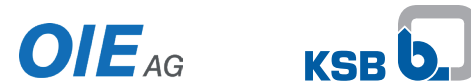
Through investment measures, campaigns and complementary actions, LIFE-IP ZENAPA has set among others the following goals in the areas of renewable energies, energy efficiency, sustainable mobility and land use:

- ~ 59 MWp photovoltaic + 5 energy storages
- ~ 100.000 LED light sources
- ~ 1.200 electric vehicles, 16 charging stations, 2 e-mobility centres
- ~ 3.300 m<sup>2</sup> insulation measures (incl. species protection concept)
- ~ 25 energy villages with larger district heating networks
- ~ 16 smaller district heating networks
- ~ 2.600 ha of sustainable land use (farmers hedges, low carbon meat, organic farming, crop diversity)

### This results in the following effects:

- ~ € 360 million investment triggered
- ~ € 580 million regional added value
- ~ 12.600 jobs
- ~ 250.000 t/a greenhouse gas avoidance

## Co-Financiers



## Contact

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# ZENAPA

## Zero Emission Nature Protection Areas

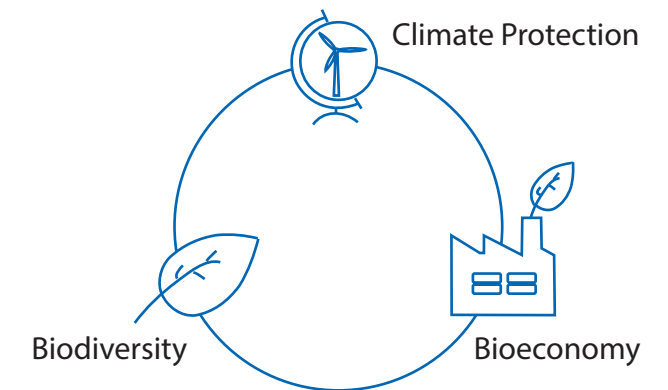


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## Key Data

<b>Duration</b>	2016 - 2024
<b>Consortium</b>	16 partners from 8 German Federal States and Luxembourg
<b>Coordinator</b>	Institute for Applied Material Flow Management (IfaS)
<b>Project Area</b>	11 large-scale protection areas and the model community Rhaunen as well as their surrounding regions
<b>Funding</b>	Integrated project (IP) in the „Climate“ sub-program of the EU support program for environment, nature conservation and climate policy „LIFE“

## Pillars of LIFE-IP ZENAPA

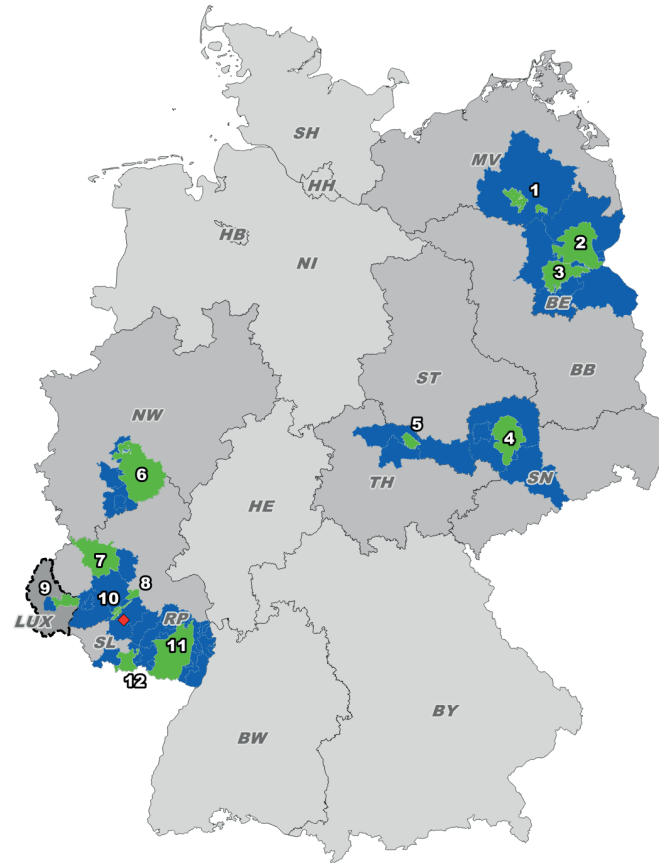


... in large-scale protection areas by ZENAPA.



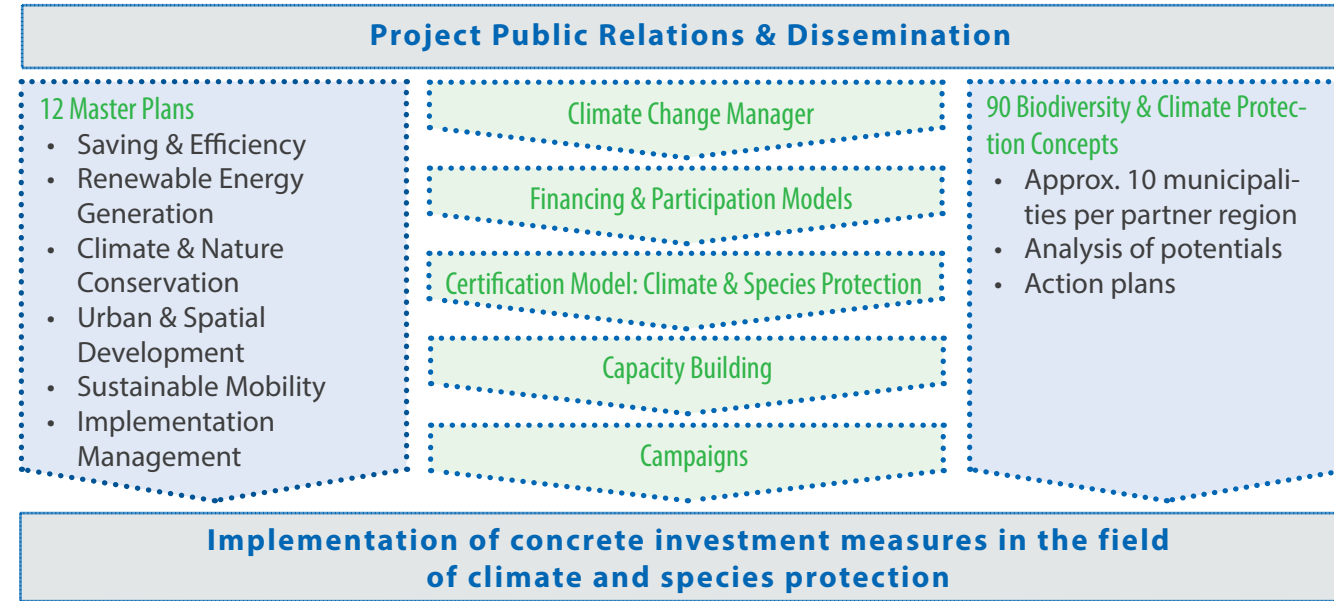
## Project Area

The project area includes the large-scale protection areas involved in the project as well as the surrounding regions and thus covers about 10% of the total area of Germany.



- 1: Müritz-Nationalpark
  - 2: Biosphärenreservat Schorfheide-Chorin
  - 3: Naturpark Barnim
  - 4: Geopark Porphyriand
  - 5: Naturschutzprojekt Hohe Schrecke
  - 6: Naturpark Bergisches Land
  - 7: UNESCO Geopark Vulkaneifel
  - 8: Nationalpark-Verbandsgemeinde Rhaunen
  - 9: Naturpark Mëllerdall
  - 10: Nationalpark Hunsrück-Hochwald
  - 11: Biosphärenreservat Pfälzerwald
  - 12: Biosphärenreservat Bliesgau
- ◆ IfaS  
 Protected Area (PA)  
 PA region  
 Luxembourg
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## Project Components



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### Climate Change Manager

In close cooperation with local actors, the regional climate change managers are responsible for the local project coordination as well as the implementation of measures in the regions.

### Certification Model: Climate & Species Protection

The development of certificates on the basis of various criteria (CO<sub>2</sub>e avoidance/conservation of biodiversity/regional added value) will contribute to the financing of measures in the area of climate protection. The model will serve different stakeholders in the large-scale protection areas to acquire emission rights on a voluntary basis.

### Campaigns

In order to reach as many stakeholders as possible in the project area, each partner carries out thematic campaigns as well as the program „1.000 solar roofs“.

### Financing & Participation Models

Regional financing and organisational models, such as revolving funds or public energy service utilities, will be created to develop further projects.

### Capacity Building & Public Relations

Various capacity building and public relation activities support the implementation process in order to raise awareness among all actors and stakeholders and to trigger imitation effects. This will contribute to achieving the climate protection goals of the federal government and the EU even after the end of the project.

### Master Plans & Concepts

The implementation of measures on-site is based on individual master plans for the twelve partner regions. In addition, detailed planning is carried out at municipal level using climate protection and biodiversity concepts.

## Project Partners



### Complementary Actions

LIFE-IP ZENAPA serves as a blueprint for further projects, investments and measures in the tenor of biodiversity, bioeconomy and climate protection financed by EU, national or private funds.