

# Estratégias Municipais

Bruno Rocha

[www.cm-vagos.pt](http://www.cm-vagos.pt)  
bruno.rocha@cm-vagos.pt



## OBJETIVO



# COMPROMISSOS

## ADESÃO:

### MAYORS ADAPT

**Vagos Portugal**  
MAYORS ADAPT  
THE COVENANT OF MAYORS INITIATIVE ON ADAPTATION TO CLIMATE CHANGE

Mayor: Silvério Regiado  
Population: 2285 Inhabitants  
Contact Person: Bruno Rocha, Project Manager  
Email: presidente@on.vagos.pt, www.cm.vagos.pt  
Joined Mayors Adapt on 26.09.2014.  
Vagos is also a signatory to the Covenant of Mayors.

**Adaptation Activities**  
Adaptation-Related Document: Municipal Emergency Plan of Civil Protection  
Publication Date: 29 April 2014  
Relevant Policy Sectors: Agriculture and Forest, Biodiversity, Coastal Areas, Disaster Risk Reduction, Financial, Health, Infrastructure

**Summary**  
Vagos has a diverse landscape. It is a coastal municipality, meaning that it faces the risks associated with sea levels, but it also has a large forested area that is increasingly at risk of forest fires. In response to these risks, Vagos developed a Municipal Emergency Plan to take action and reduce the impacts of climate change vulnerabilities. This plan establishes procedures in case of accidents or disasters including for the municipality's various civil protection agencies.

**Planned Adaptation Actions**  
Vagos has taken action to reduce the impacts of the sea level rise by strengthening the sea barriers, artificially recharging coastal areas with sand sediments, and building sidewalks and equestrian walkways over the sand dunes to protect them. In addition, measures for forest fire prevention are being taken, as well as actions to improve climate change resilience in public buildings. This is being done via passive and active construction measures such as the substitution of window frames, the installation of new roofs, and the implementation of sustainable solar heating systems, etc.

**Main Motivation for taking Adaptation Action**  
It is anticipated that as a result of climate change Vagos will suffer more and more from sea level rise and an increasing number of forest fires. Vagos is focused on taking action and implementing all measures possible to protect its citizens and visitors, to make Vagos a more attractive municipality, and to improve the quality of life of its citizens.

**Climate Impacts**  
Extreme Temperatures  
Water Scarcity  
Flooding  
Sea Level Rise  
Droughts  
Storms  
Ice and Snow  
Forest Fires

**Vulnerable Sectors**  
Agriculture and Forest  
Biodiversity  
Coastal Areas  
Disaster Risk Reduction  
Financial  
Health  
Infrastructure  
Marine and Fisheries  
Water Management  
Tourism

**In the Spotlight:**  
Requalification of the Vagueira Beach urban sea front  
Vagos is vulnerable to the sea level rising and has experienced coastal erosion in recent years. Recently the sea level rise barrier that protects the urban sea front was strengthened. At the top of the barrier a walkway and cycling path was built, as well as an equestrian pathway over the sand dunes that connect Vagos to neighbouring beaches. As a result of this project, the sea front community not only benefits from enhanced protection against the impacts of climate change but they also have better leisure opportunities. Additionally, the community has safer and Vagueira Beach has attracted an increasing number of tourists.

### PACTO DE AUTARCAS

Pactodeautarcas.eu | O Meu Pacto

Pacto de Autarcas  
Compromisso com as energias sustentáveis locais

Sobre Acções Participação Apoio Comunicação social  
Pesquisar... OK português (pt)

Signatários do Pacto

### Vagos

Overview Action Plan Benchmarks

Action Plan in a Nutshell  
Date of formal approval: 2015-02-27  
Overall CO<sub>2</sub> emission reduction target: 21%

Title	Size	Language
Vagos Sustainable Energy Action Plan	4796,9 kB	pt

Key Results of the Baseline Emission Inventory  
Baseline year: 2008

1) Greenhouse gas emissions and final energy consumption per capita

Emission factor	tonnes CO <sub>2</sub> /capita	MWh/capita
IPCC	3,8	14

## METAS

ATÉ 2020



**21%**

ATÉ 2030



**40%**

**Pacto de Autarcas para o Clima e Energia – Resulta da fusão das 2 iniciativas**

## PROJETOS



Agência para a  
Sustentabilidade e a Competitividade  
Região de Aveiro

O projeto abrange 7 Eixos de ação temática



Eixo 1 - Políticas para a Economia Verde

Eixo 2 - Eficiência Energética

Eixo 3 - Eficiência Hídrica

Eixo 4 - Valorização dos Resíduos

**Eixo 5 - Construção Sustentável**

Eixo 6 - Adaptação às Alterações Climáticas

Eixo 7 - Mobilidade Suave e Ecoturismo



## INSTRUMENTOS e PLANOS



## ÁREAS DE ATUAÇÃO

### Operacionalização do PAES – VAGOS:

#### MEDIDAS ATIVAS DE EFICIÊNCIA ENERGÉTICA :

- PAINÉIS FOTOVOLTAICOS E MICROGERAÇÃO EM EDIFÍCIOS PÚBLICOS
- CIRCUITOS DE ILUMINAÇÃO PÚBLICA COM TECNOLOGIA LED
- BATERIAS DE CONDENSADORES
- CONSTRUÇÃO DE PASSADIÇOS E CICLOVIAS – MOBILIDADE SUAVE



#### MEDIDAS PASSIVAS DE EFICIÊNCIA ENERGÉTICA:

- REVESTIMENTOS DE FACHADAS
- PAVIMENTOS
- COBERTURAS
- CAIXILHARIAS
- PALAS DE ENSOMBRAMENTO

...





## OPERACIONALIZAÇÃO

Operacionalização do PAES – VAGOS:



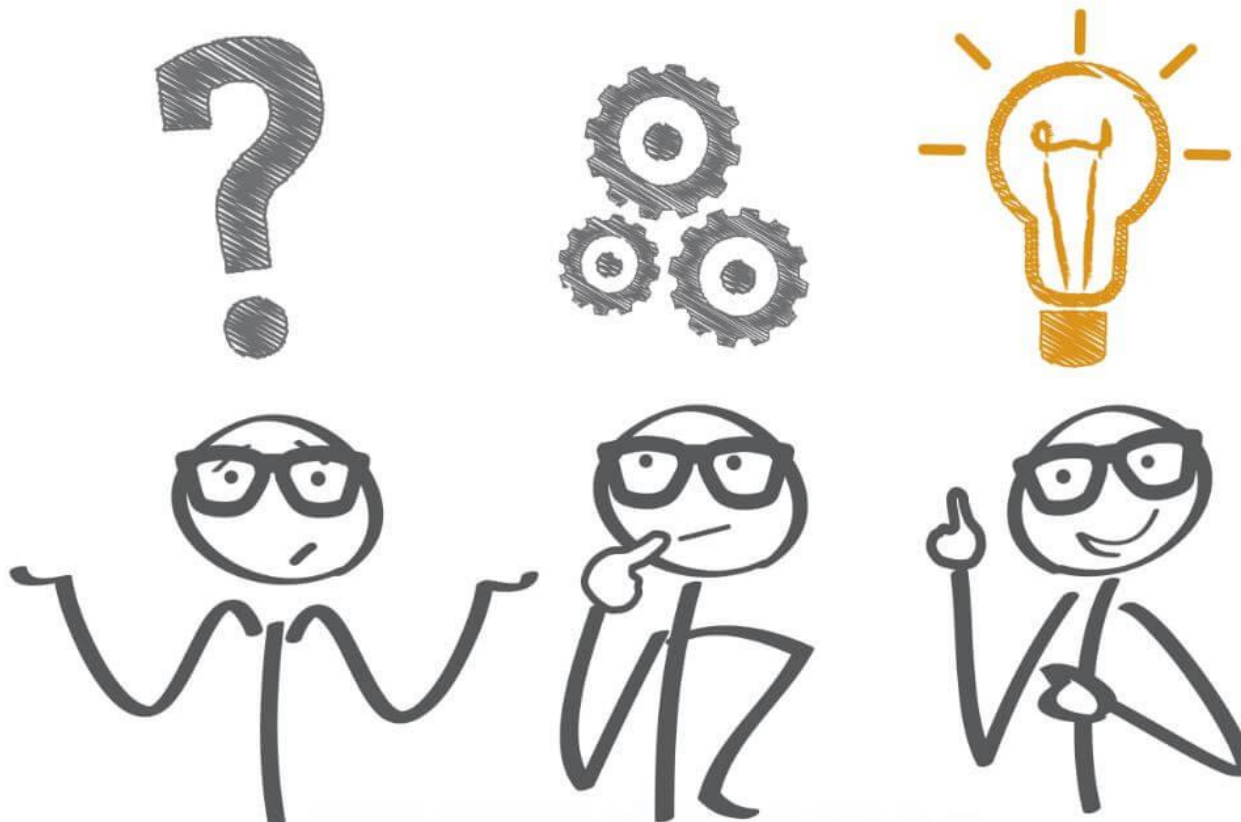


## MONITORIZAÇÃO

### Operacionalização do PAES – VAGOS:

- AUDITORIAS ENERGÉTICAS
- CERTIFICADO ENERGÉTICO
- INSTALAÇÃO DE SISTEMAS EFICIENTES E COMBINADOS
- CORREÇÕES E ALTERAÇÃO DE HÁBITOS
- SISTEMAS INTELIGENTES DE GESTÃO ENERGÉTICA
- ACOMPANHAMENTO PELO GESTOR LOCAL DE ENERGIA

## PENSAR



## PENSAR

FAZER A “MISTURA PERFEITA”



Dois tipos de Soluções para a redução dos consumos de Energia



### •Eficiência Energética Passiva

- Acção na estrutura dos edifícios e equipamentos de produção ou que consomem energia.



### •Eficiência Energética Activa

- Acção no modo como os Equipamentos e o Edifício utilizam a energia.



## PENSAR

### PROGRAMAS NACIONAIS E EUROPEUS



PORTUGAL 2020 / FEE / HORIZON 2020

...

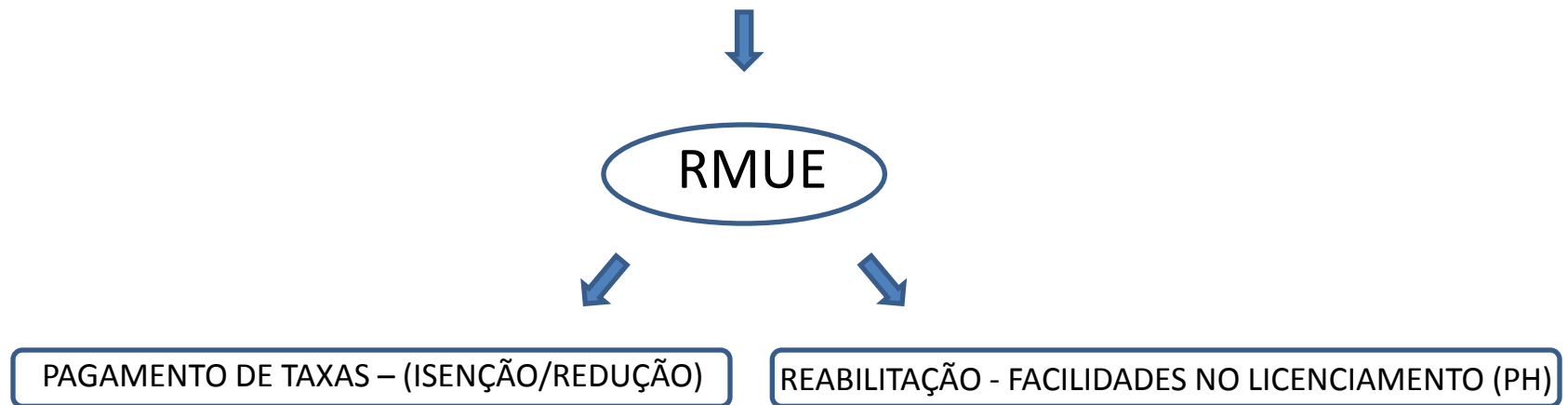


### INCENTIVOS À APLICAÇÃO DE MEDIDAS PASSIVE HOUSES:

- Aumento da Comparticipação
- Majoração no Mérito das Candidaturas para P.H.

# PENSAR

## ESTRATÉGIAS DE ÂMBITO MUNICIPAL



# PENSAR

## ESTRATÉGIAS DE ÂMBITO MUNICIPAL



ARU



ISENÇÃO DO IMI



REABILITAÇÃO - FACILIDADES NO LICENCIAMENTO (PH)

# OBRIGADO!

Bruno Rocha

[www.cm-vagos.pt](http://www.cm-vagos.pt)  
bruno.rocha@cm-vagos.pt





