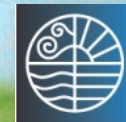


# LIFE 2014-2020 for Climate Action

**Athens**  
13 October 2017

Dimitris Niavis  
National Contact Point for LIFE Climate Action  
Ministry of Environment and Energy

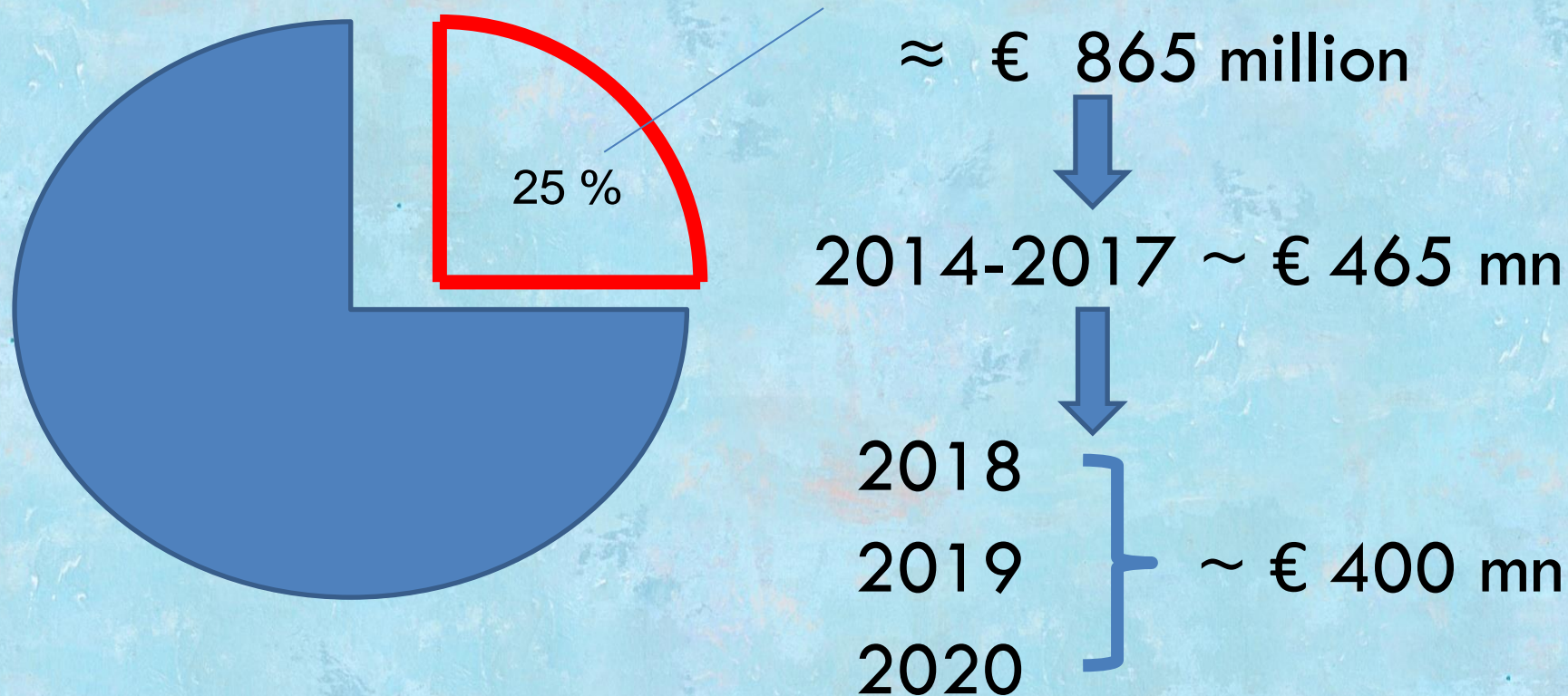




# LIFE 2014-2020

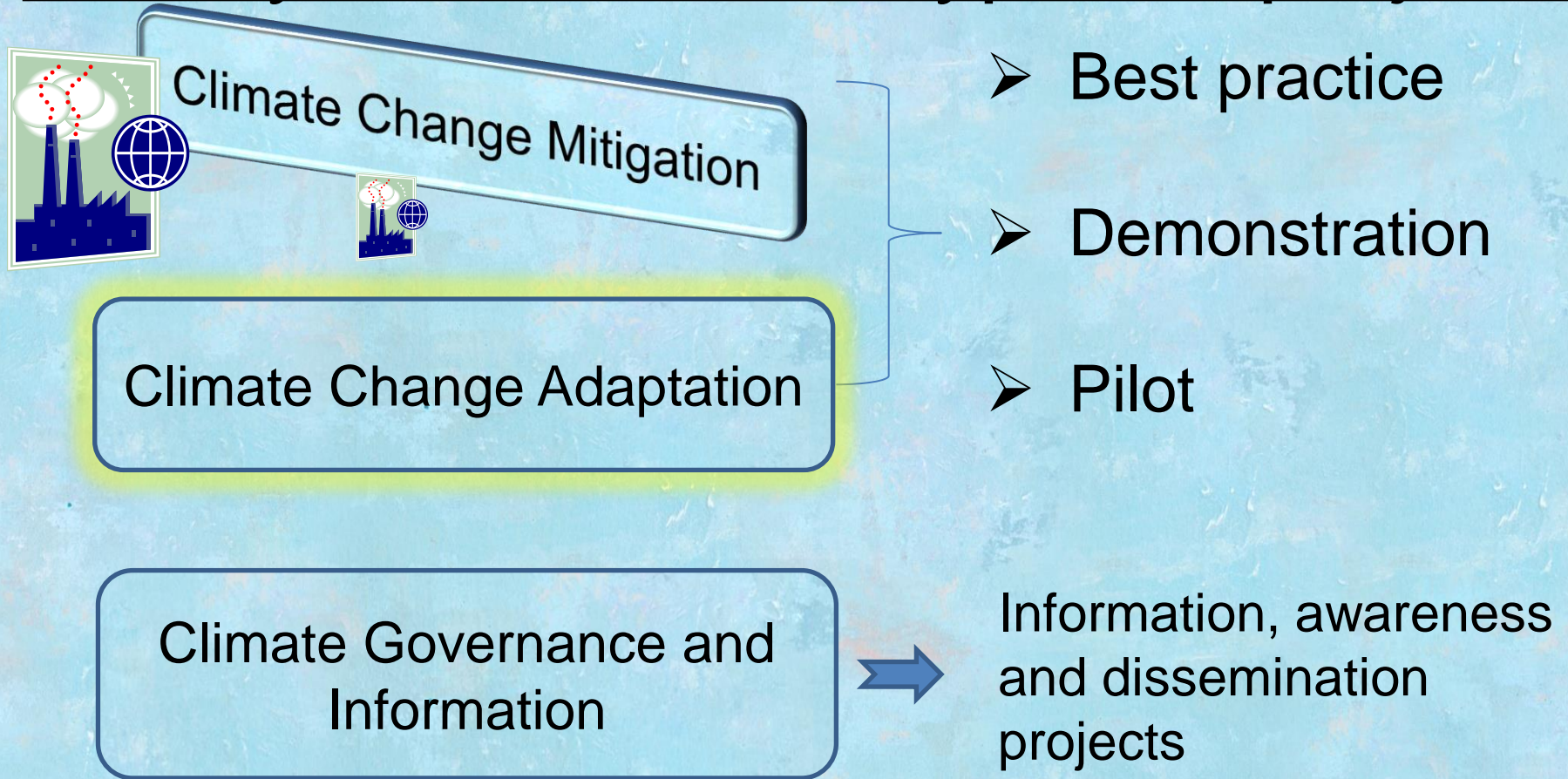
## € 3,5 billion, EU contribution

### LIFE Climate Action 2014-2020





# Priority areas - Main types of projects



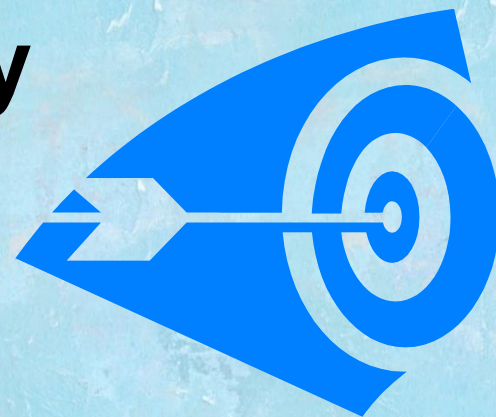


# Climate Change Mitigation (CCM)

## EU 2030 Climate & Energy

By 2030,

- - 40% emissions (1990)
- 27% share for renewable energy
- 27% improvement in energy efficiency

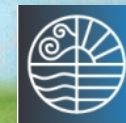




# **Climate Change Mitigation (CCM)**

Policy priorities for LIFE 2017 call

- 1. Energy intensive industries**
- 2. Fluorinated greenhouse gases (F-gases)**
- 3. Land-use, land-use change and forestry (LULUCF)**

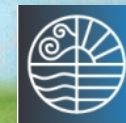




# **Climate Change Mitigation (CCM)-1**

## **Energy intensive industries**

- **Design, development and implementation of innovative solutions for reducing greenhouse gases emission intensity (t CO<sub>2</sub>/ unit of product)**
- **Start at Technology Readiness Level 4-5 and target Technology Readiness 8-9.**
- **Uptake of results of EU funded research projects, such as Horizon 2020 research projects**





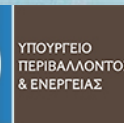
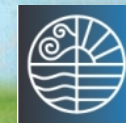
# Climate Change Mitigation (CCM)-2

## Fluorinated greenhouse gases High Global Warming Potential (GWP)

1 ton F-gases  up to 23.000 tons CO<sub>2</sub>-eq  
(HFCs, PFCs, NF<sub>3</sub>, SF<sub>6</sub>)

### Use of Alternatives for

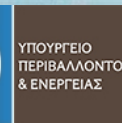
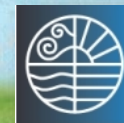
- Air conditioning and refrigeration equipment for high ambient temperatures,
- Heat pumps,
- SF<sub>6</sub> use in electrical switchgear, in particular primary medium voltage, and high voltage
- Organic Rankine Cycles
- manufacturing processes such as in the electronics industry (semiconductors, photovoltaics)





<u>Alternative</u>	<u>Global Warming Potential (GWP)</u>	<u>Properties to be addressed</u>	<u>Commercial availability</u>
Hydrocarbons	3-5	Flammable	Immediate
CO <sub>2</sub> (R744)	1	High pressure	Immediate
Ammonia (NH <sub>3</sub> , R717)	1	Toxic	Immediate
Water (R718)	1	No risks	Immediate
R32 (an HFC)	675	Mildly flammable	Immediate
HFOs	4-9	Mildly flammable	Immediate/Short-term
R32-HFO blends	200-400	Mildly flammable	Mid-term

Source: European Commission

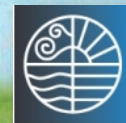




# **Climate Change Mitigation (CCM)-3**

## **Land-use, land-use change and forestry (LULUCF)**

- **Land use sector**
- **Greenhouse gas accounting of land use**
- **Sustainable Forest Management and sustainable use of solid biomass**





# Climate Change Mitigation (CCM)-3a

Efficient conversion  
of solid biomass

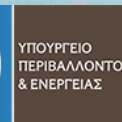
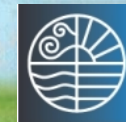


Substitution of fossil energy and materials



# Climate Change Adaptation (CCA)

- Adaptation in vulnerable areas
- Strategies and vulnerability assessments
- **Urban adaptation**

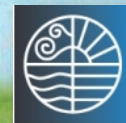




# Climate Change Adaptation (CCA)

## Urban adaptation

- developing and implementing local adaptation and mitigation initiatives (**'the Covenant of Mayors for Climate and Energy**
- projects contributing at the same time to **climate adaptation and mitigation** as well as **nature conservation and biodiversity**
- developing and deploying innovative adaptation solutions in urban areas, including in the **water, energy and construction sectors** and solutions addressing health and wellbeing
- promoting and developing **green infrastructure**





# promoting and developing green infrastructure

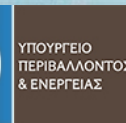
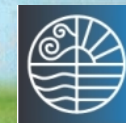


Image © G.Karadeniz/EEA



# **Climate Governance and Information (CGI)**

- **Development and implementation of national 2030 climate and energy strategies and/or mid-century strategies**
- **Assessment of the functioning of the EU ETS**
- **Building capacities, raising awareness among end-users and the equipment distribution chain of fluorinated gases**
- **Projects enhancing consumers' empowerment to benefit from real-world fuel consumption savings in cars and vans and allow consumers to make informed purchase decisions for cars with low pollutant emissions.**
- **Climate policy monitoring, assessment and ex-post evaluation**





# Renewable Energy projects

LIFE DEMOWAVE, Demonstration of the efficiency & environmental impact of wave energy converters (WEC) in high energy coasts. **LIFE14 CCM/ES/001209**







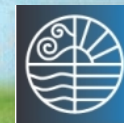
Coordinator : Quantum Innovative SL (SME from Spain)

Duration: 01 Oct 2015 to 30 Sep 2018

Total Budget: 1.836.788 €

EU Contribution: 1.034.119 €

<http://www.life-demowave.eu/en/>





# Energy Efficiency projects

LIFE-DIADEME - A novel sustainable and cost-efficient distributed street lighting dimming system LIFE15 CCM/IT/000110



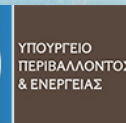
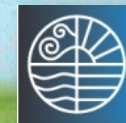
Coordinator : Reverberi Enetec - Gruppo MPES (Italy)

Duration: 01 Oct 2016 to 25 May 2020

Total Budget: 1.428.742 €

EU Contribution: 812.400 €

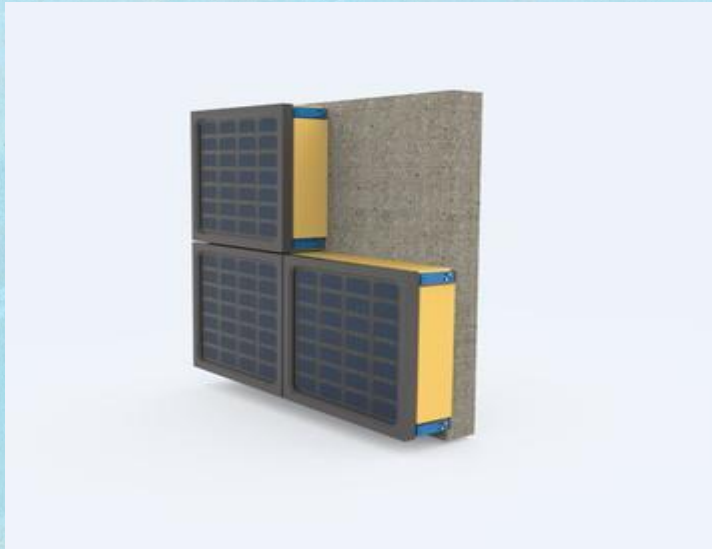
<http://www.diademe.it/en/>





# Energy Efficiency projects

LIFE Conipher - CONcrete Insulation PHotovoltaic Envelop for deep Renovation LIFE14 CCM/FR/000954



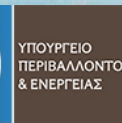
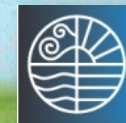
Coordinator : VICAT (France)

Duration: 01 Oct 2015 to 31 Aug 2018

Total Budget: 1.228.431 €

EU Contribution: 720.228 €

<http://www.life-conipher.eu/>

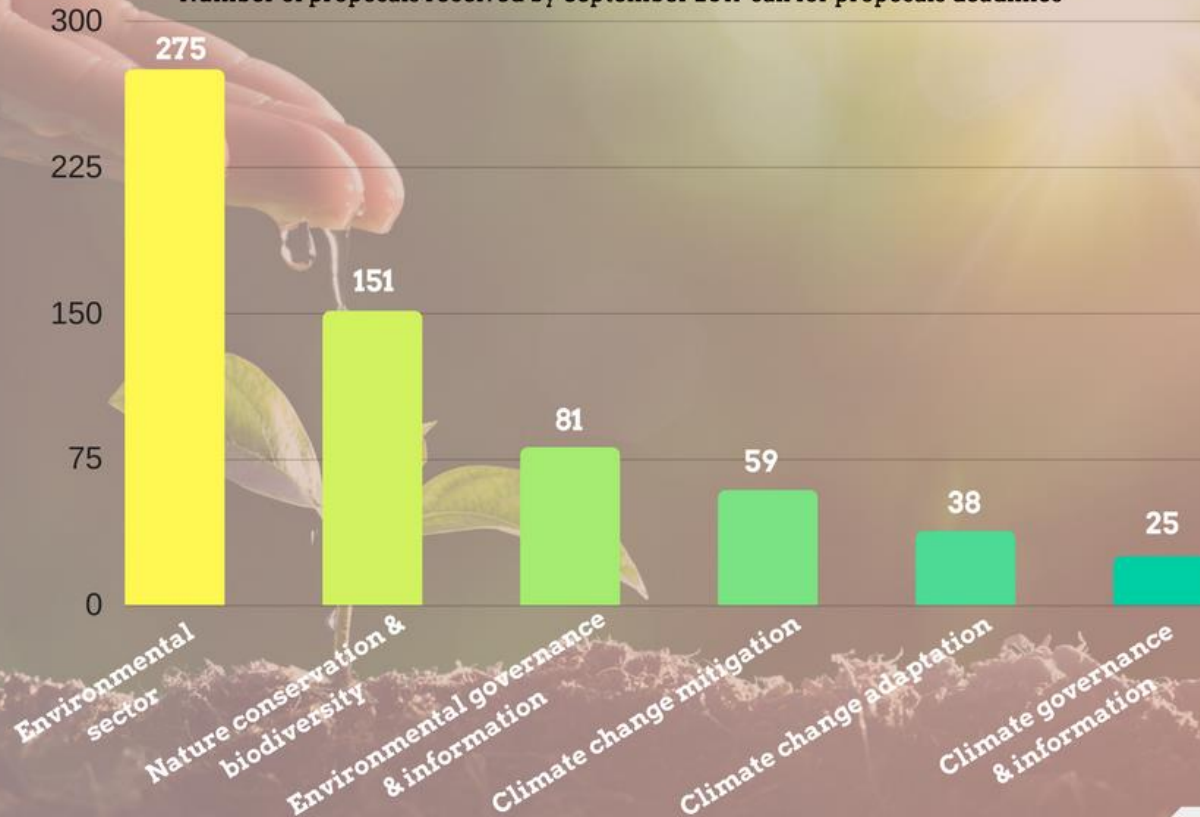




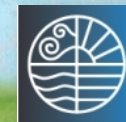
# 629 PROPOSALS FOR NEW LIFE PROJECTS



Number of proposals received by September 2017 call for proposals deadlines



Source: European Commission



ΥΠΟΥΡΓΕΙΟ  
ΠΕΡΙΒΑΛΛΟΝΤΟΣ  
& ΕΝΕΡΓΕΙΑΣ





# SUSTAINABLE DEVELOPMENT GOALS



*Thank you for your attention!*

Dimitris Niavis

National Contact Point for LIFE Climate Action

Ministry of Environment and Energy

[d.niavis@prv.ypeka.gr](mailto:d.niavis@prv.ypeka.gr)

