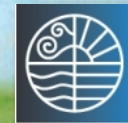


25 years of LIFE: Innovative tools & Technologies for Nature, Environmental Protection and Climate Change

Spyridoula Ntemiri
Climate Change Expert
Greek LIFE Task Force – Green Fund

6 July 2017



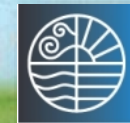
ΥΠΟΥΡΓΕΙΟ
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& ΕΝΕΡΓΕΙΑΣ



LIFE Programme



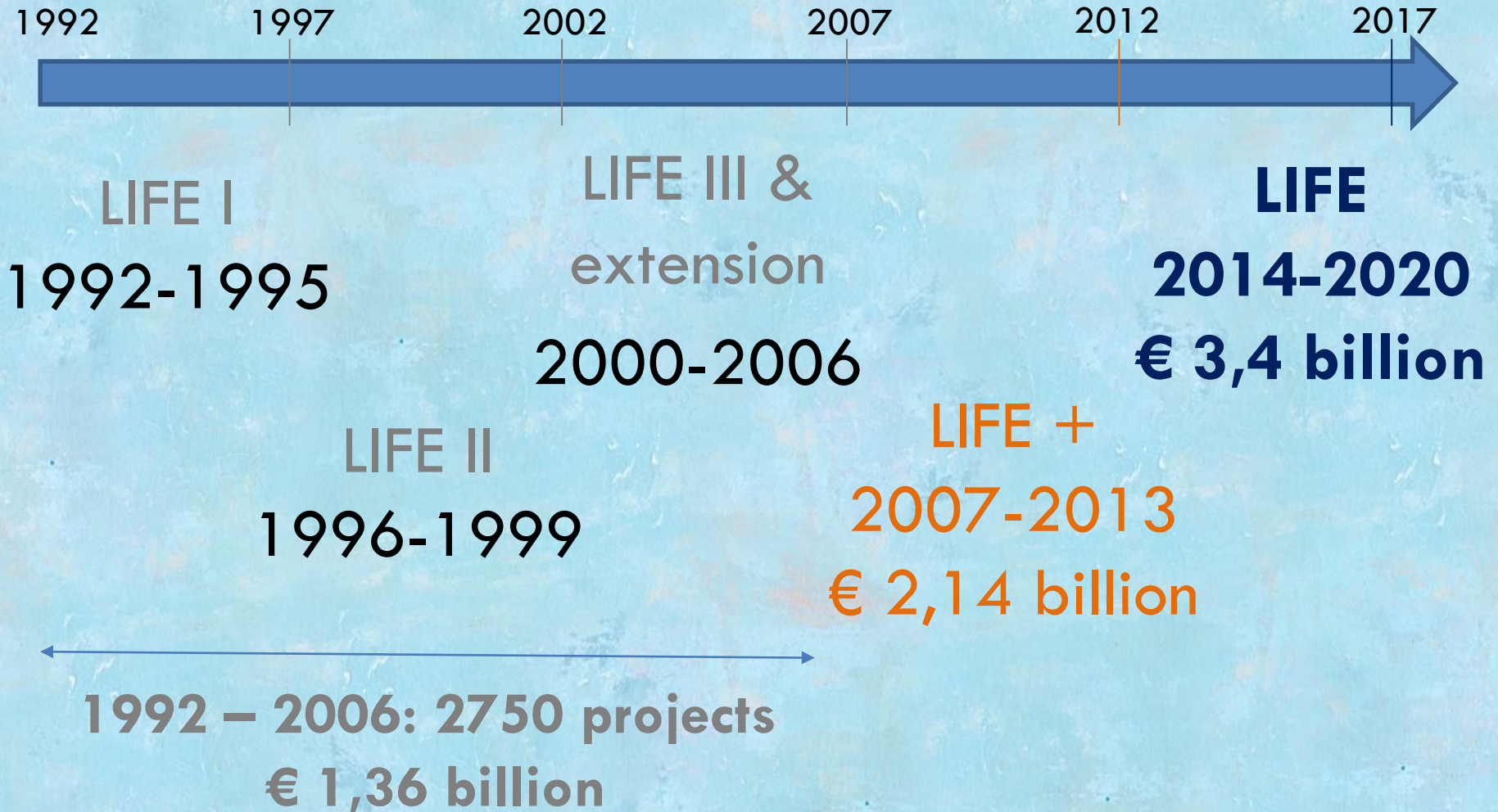
- ✓ The LIFE Programme is the **EU's funding instrument** for the **environment** and **climate action**.
- ✓ It contributes to the **implementation, updating and development** of EU environmental and climate policy and legislation by **co-financing projects**.



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The phases of LIFE



Structure of LIFE programme in time

LIFE I:

Promotion of sustainable development and quality of the environment 40%

Protection of habitats and of nature 45%

Administrative structures and environment services 5%

Education, training and information 5%

Actions outside EU territory 5%

LIFE II/III:

LIFE – Environment: 46-47%

LIFE – Nature: 46-47%

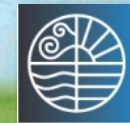
LIFE – Third countries: 5-6%

LIFE +:

LIFE+ Nature & Biodiversity (at least 50%)

LIFE+ Environment Policy & Governance

LIFE+ Information & Communication



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LIFE Programme Structure 2014-2020

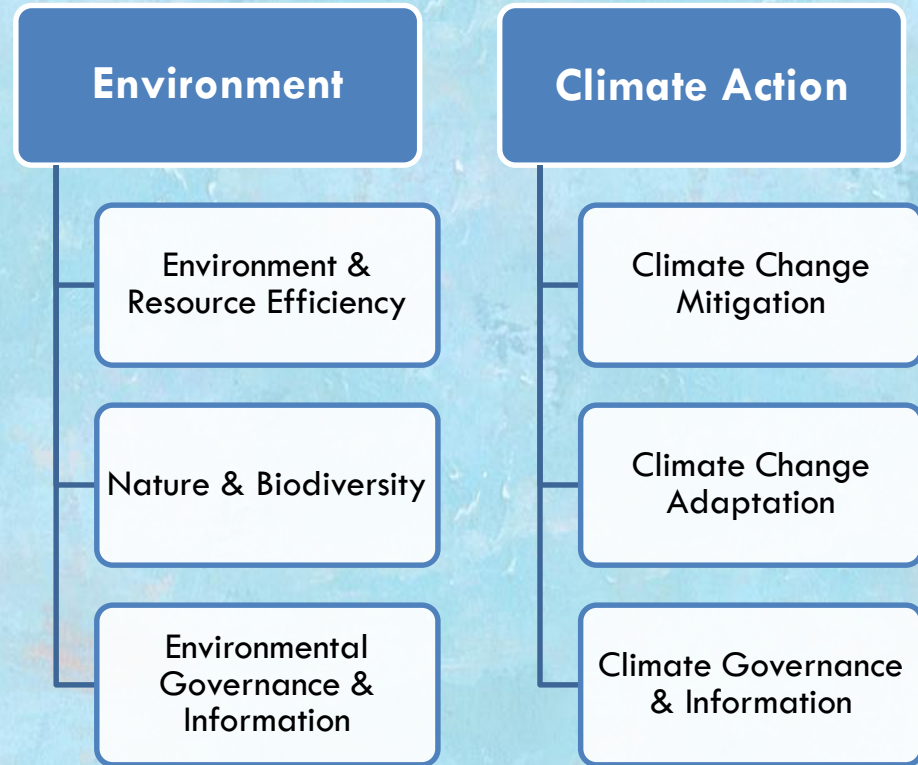
✓ € 3.456,7 million

✓ 2 Sub-programmes:

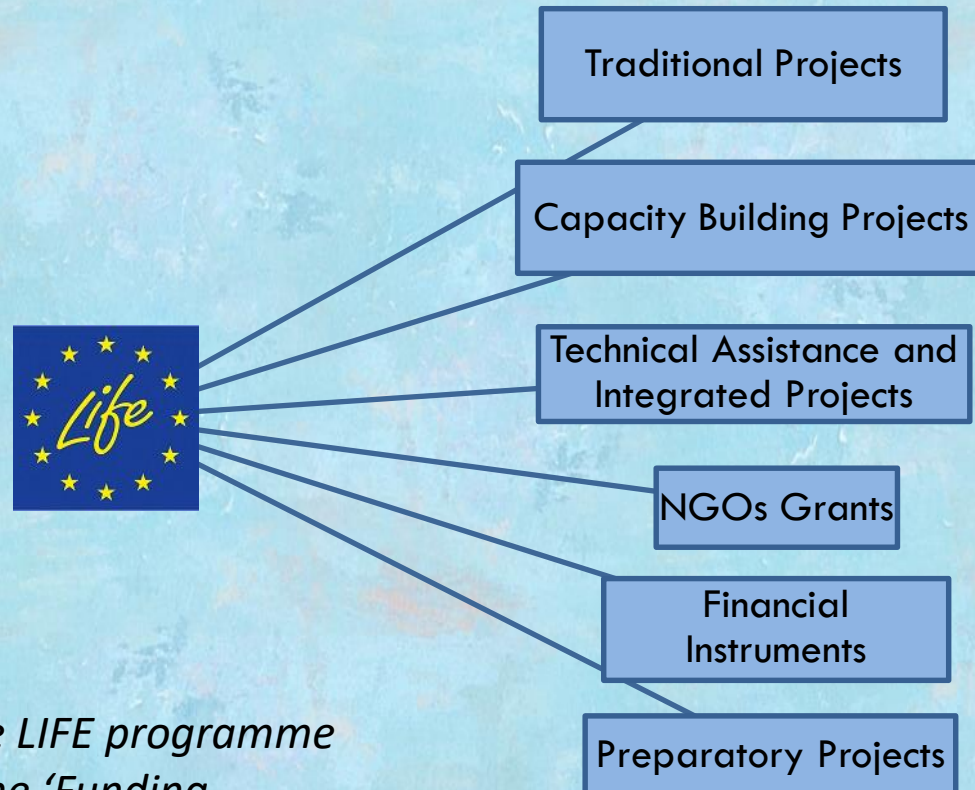
✓ **Environment (75%)**

55% Nature/Biodiversity (2014-2017)

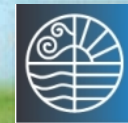
✓ **Climate Action (25%)**



...LIFE in 2014-2020 includes also **new** types of projects...



Note: The presentation of the LIFE programme 2014-2020 is scheduled for the 'Funding Opportunities Session' (Friday 7th July, 12:00-12:30)



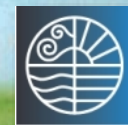
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LIFE Programme in Greece (1992-2016)

Sub-Programme	Number of projects	Percent of total	Total budget	EC contribution
ENVIRONMENT AND RESOURCE EFFICIENCY	138	57,7%	178.441.284	82.154.773
NATURE/BIODIVERSITY	70	29,3%	99.686.869	67.167.268
CLIMATE ACTION*	20	8,4%	36.531.072	18.676.236
INFORMATION AND GOVERNANCE	10	4,2%	10.305.351	5.608.388
CAPACITY BUILDING	1	0,4%	1.304.708	953.600
TOTAL	239	100%	326.269.285	174.560.265

Source: [Database of LIFE projects - European Commission](#), *interpreted by the Greek LIFE Task Force



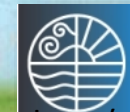
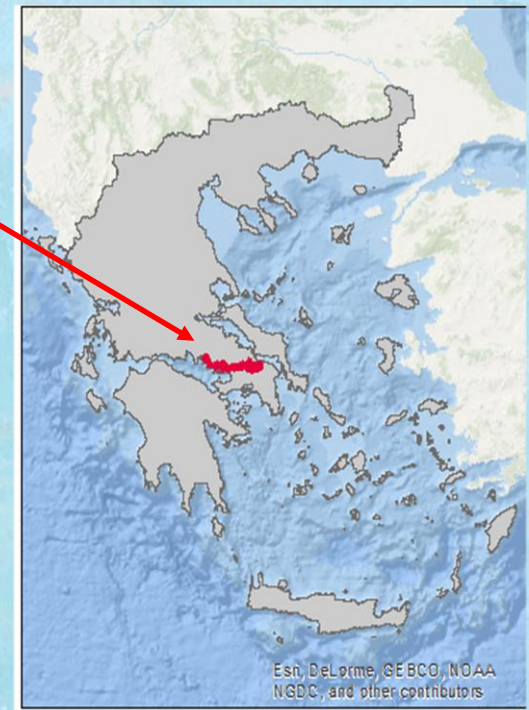
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Chromium in Asopos groundwater system: Remediation technologies and Measures

LIFE10 ENV GR 000601 – LIFE CHARM

- ❖ Study area: Asopos basin, Greece
- ❖ Budget: 2.55M€ (49.4% EC contribution)
- ❖ Duration: 01/09/11 – 31/08/15 (4 years)
- ❖ Partners: NTUA (Coordinator)
Technical University of Crete,
Region of Sterea Ellada,
Alpha Mentor,
Intergeo
PEROX Spain

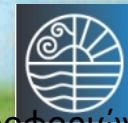


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Contribution to policy making

- ❖ Determination of Natural Background Levels (NBL) and threshold values TVs for chromium and hexavalent chromium for the groundwater system of Asopos – Identification of hotspots
- ❖ Development of a methodology for the determination of TVs for chromium compounds in groundwater bodies in support of the WGD 2000/60/EC and the GWD 2006/118/EC
- ❖ Development of a proposed programme of measures for the Asopos basin – partial adoption by the Region of Sterea Ellada/MEE
- ❖ Transferability of the methodology to other areas in Greece and Europe for other pollutants with similar characteristics



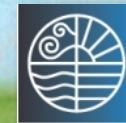
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Adaptation of forest management to climate change in Greece

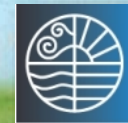
LIFE08 ENV GR 000554 AdaptFor

- ❖ Study areas: Peloponnese, Attica, Thessaly, Central Macedonia
- ❖ Budget: 1.67M€ (50.0% EC Contribution)
- ❖ Duration: 01/01/2010 – 31/12/2014 (4 years)
- ❖ Partners: Greek Biotope Wetland Center (Coordinator)
Directorate General for Development and
Protection of Forests and the Rural
Environment, MEE



Long term sustainability

- Vulnerability assessment of 4 representative types of forests
- Inclusion of CCA measures in management plans of the areas – Implementation
- Permanent network of monitoring surfaces – Impact assessment of proposed measures
- Guidelines for adaptation – capacity building of authorities
- Ensuring financing for the implementation via the national investment programme



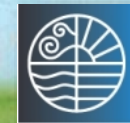
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Development of an advanced, innovative, energy autonomous system for the treatment of brine from seawater desalination plants

LIFE09 ENV GR 000299 SOL-BRINE

- ❖ Study area: Tinos, Greece
- ❖ Budget: 1.21M€ (50.0% EC contribution)
- ❖ Duration: 01/10/2010 – 31/12/2013 (39 months)
- ❖ Partners: Municipality of Tinos (Coordinator)
National Technical University of Athens
Culligan Hellas S.A.

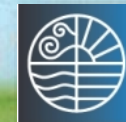


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Developing and implementing a new technology

- ❖ Development of a energy autonomous system (solar energy) for the treatment of brine aiming at the elimination of its discharge in the marine ecosystem
- ❖ Production of dry salt that can be easily handled and can be commercialized
- ❖ Production of high quality water which may be further used as potable water or for irrigation purposes
- ✓ Establishment of a start-up company for commercialization of results
- ✓ H2020 large-scale demonstration project ('ZERO-BRINE' € 11 million, 21 partners)
- ✓ Awarded as (GREEN **Best LIFE Environment project of the 25 years** (GREEN AWARDS, 30th May 2017))



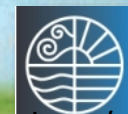
LIFE and conservation of bears in Greece , 1993-2017

- LIFE93 NAT GR 010800 LIFE Arctos 1
- LIFE96 NAT GR 003222 LIFE Arctos 2
- LIFE99 NAT GR 006499 LIFE Rhodope/Grammos
- LIFE07 NAT IT 000502 LIFE Ex-Tra
- LIFE07 NAT GR 000291 LIFE Pindos/Grevena
- LIFE09 NAT GR 000333 LIFE Arctos/Kastoria
- LIFE12 NAT GR 000784 LIFE ARCPIN
- LIFE15 NAT GR 001108 LIFE AmyBear

- LIFE11 NAT GR 001014 LIFE ForOpenForests

Results:

- ✓ Decrease of no of road accidents
- ✓ Police protocol
- ✓ Improvement of coexistence with humans
- ✓ **Increase of brown bear population (180→500)**



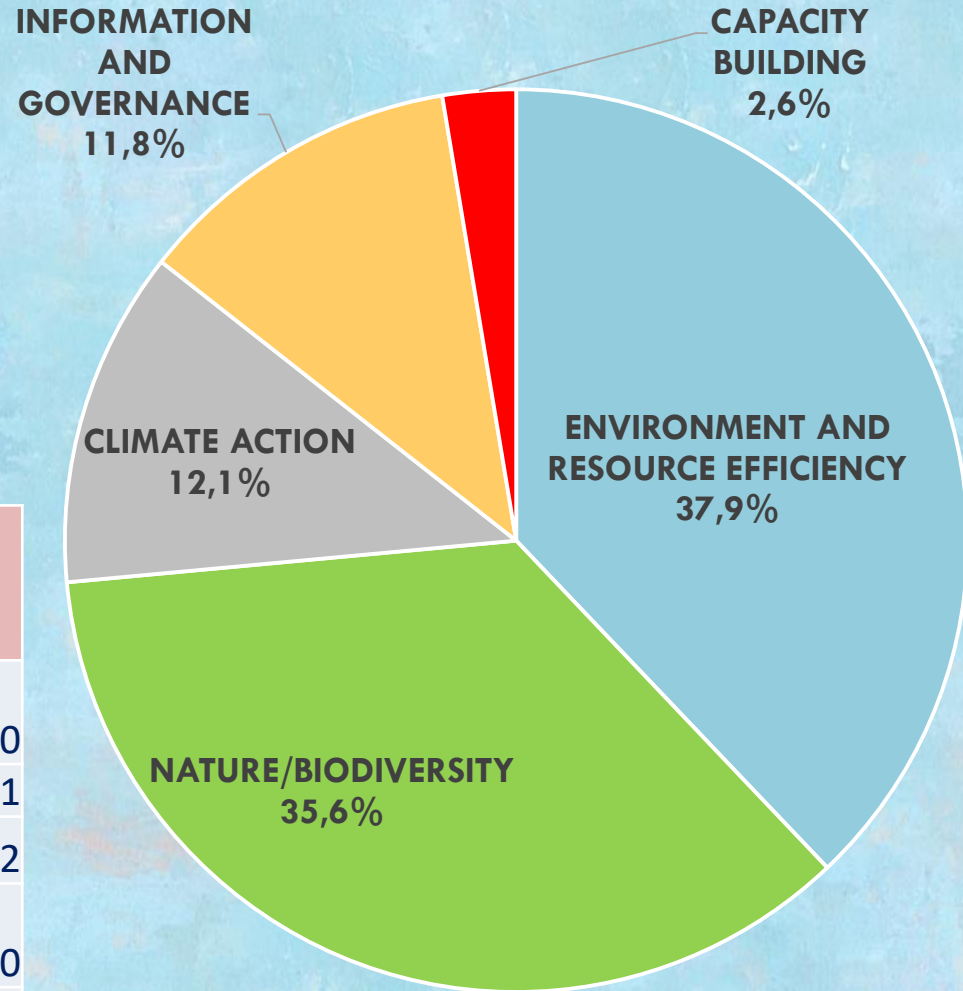
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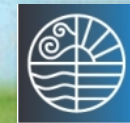
What about now?

There are **28 on-going projects** with Greek beneficiaries as a coordinator that are in progress with a total budget of **€ 49,7 million**, of which the EU's contribution is **€ 29,2 million**.

% TOTAL BUDGET OF PROJECT IN PROGRESS IN GREECE



Sub-Programme	Number of projects	Total budget
ENVIRONMENT AND RESOURCE EFFICIENCY	9	18.835.360
NATURE/BIODIVERSITY	10	17.709.261
CLIMATE ACTION	5	5.999.502
INFORMATION AND GOVERNANCE	3	5.851.730
CAPACITY BUILDING	1	1.304.708
TOTAL	28	49.700.561



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Thank you for your attention!

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life@prasinotameio.gr

<http://www.prasinotameio.gr>

<http://www.ypeka.gr>

<http://www.lifetaskforce.gr>

