



**Biodiversity  
Greece**

**LIFE EL-BIOS**  
Hellenic Biodiversity Information System  
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<b>PROJECT</b>	LIFE18 GIE/GR/000899
<b>PROJECT TITLE</b>	Hellenic Biodiversity Information System: An innovative tool for biodiversity conservation
<b>ACRONYM</b>	LIFE EL-BIOS
<b>ACTION</b>	C – Monitoring of project impact
<b>DELIVERABLE NUMBER</b>	C.1.2
<b>DELIVERABLE TITLE</b>	<b>1<sup>st</sup> Report on Impact of EL BIOS Project</b>
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**COORDINATING  
BENEFICIARY**



ARISTOTLE  
UNIVERSITY  
OF THESSALONIKI



THE GOULANDRIS NATURAL HISTORY MUSEUM  
GREEK BIOTOPE/WETLAND CENTRE



**ASSOCIATED  
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**ΤΙΤΛΟΣ ΕΓΓΡΑΦΟΥ:**

**Ελληνικά:** 1<sup>η</sup> Τεχνική Έκθεση για τον αντίκτυπο του EL BIOS Project

**Αγγλικά:** 1st Report on Impact of EL BIOS Project

**ΠΡΟΤΕΙΝΟΜΕΝΗ ΒΙΒΛΙΟΓΡΑΦΙΚΗ ΑΝΑΦΟΡΑ:**

**Μποντζώρλος Β., Πηλίδου Ρ.** 2023. 1<sup>η</sup> Τεχνική Έκθεση για τον αντίκτυπο του EL BIOS Project. Παραδοτέο Δράσης C.1. Έργο LIFE EL-BIOS: Ελληνικό Πληροφοριακό Σύστημα για τη Βιοποικιλότητα: ένα καινοτόμο εργαλείο για τη διατήρηση της βιοποικιλότητας. Σελίδες .., Αθήνα.

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Η παρούσα έκδοση εκφράζει αποκλειστικά τις απόψεις των συγγραφέων της.

Ο Εκτελεστικός Οργανισμός για το Κλίμα, τις Υποδομές και το Περιβάλλον (CINEA) και η Ευρωπαϊκή Επιτροπή δε μπορούν να θεωρηθούν υπεύθυνες για οποιαδήποτε χρήση των πληροφοριών που περιέχονται στο παρόν.



## ΠΙΝΑΚΑΣ ΠΕΡΙΕΧΟΜΕΝΩΝ

Περίληψη	Σελ. 5
Executive Summary	Σελ. 6
Εισαγωγή	Σελ. 7
<b>2. ΟΜΑΔΟΠΟΙΗΜΕΝΟΙ ΔΕΙΚΤΕΣ ΠΑΡΑΚΟΛΟΥΘΗΣΗΣ (ΚΡΙ's) ΤΟΥ ΕΡΓΟΥ «LIFE EL BIOS» ΓΙΑ ΤΑ ΧΡΟΝΙΑ ΔΙΑΡΚΕΙΑΣ και ΥΛΟΠΟΙΗΣΗΣ ΤΟΥ ΕΡΓΟΥ – (40 Δείκτες ΚΡΙ)</b>	Σελ. 7
2.1 Project Performance – Behavioral Change	Σελ. 8
2.2 Communication, Dissemination and Awareness Rising – Website & Social Media	Σελ. 11
2.3 Communication, Dissemination and Awareness Rising – Awareness Raising	Σελ. 12
2.4 Communication, Dissemination and Awareness Rising – Capacity Building	Σελ. 13
2.5 Other – Construction of EL BIOS Information System: Design and Development	Σελ. 15
2.6 Other – Biodiversity Databases that will "migrate" into EL BIOS Information System	Σελ. 16
2.7 Other – Implementation of EL BIOS Information System	Σελ. 19
2.8 Other – Field Work results in Pilot Sites A & B	Σελ. 20
<b>3. ΔΕΙΚΤΕΣ ΠΑΡΑΚΟΛΟΥΘΗΣΗΣ ΤΟΥ ΕΡΓΟΥ ΟΠΩΣ ΕΧΟΥΝ ΚΑΤΑΤΕΘΕΙ ΣΤΟ Online ΕΡΓΑΛΕΙΟ WEBTOOL ΚΡΙ – ( ΔΕΙΚΤΕΣ ΚΡΙ)</b>	Σελ. 22



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## ΠΕΡΙΛΗΨΗ

Το παρόν παραδοτέο, εφόσον αφορά τη μέτρηση του αντίκτυπου του έργου LIFE EL BIOS, σχετίζεται με την μέτρηση της εκπλήρωσης των KPI's όπως αυτοί αναλύθηκαν και παρουσιάστηκαν στο Παραδοτέο του έργου «**Μποντζώρλος Β., Πηλίδου Ρ. 2022. Αναθεωρημένος τελικός πίνακας με τα Key Project Indicators (KPI's) για το έργο LIFE EL BIOS συμπεριλαμβανομένων και των WebTool KPI.** Παραδοτέο Δράσης C.1. Έργο LIFE EL-BIOS: Ελληνικό Πληροφοριακό Σύστημα για τη Βιοποικιλότητα: ένα καινοτόμο εργαλείο για τη διατήρηση της βιοποικιλότητας. Σελίδες 28, Αθήνα»

Συνεπώς, στην συνέχεια παρουσιάζονται οι δείκτες του έργου και σε τι βαθμό αυτοί έχουν ολοκληρωθεί ή δεν έχουν ολοκληρωθεί ακόμη και αναμένεται να ολοκληρωθούν στην εξέλιξη του έργου. Το παρόν παραδοτέο πραγματεύεται μόνο KPI που σχετίζονται με τη διάρκεια ζωής του έργου, και μέχρι τη στιγμή της σύνταξης του παραδοτέου.



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## EXECUTIVE SUMMARY

The present deliverable, pertaining to the assessment of the impact of LIFE EL BIOS project, is associated with the measurement of the fulfillment of KPIs (Key Project Indicators) as they were specifically analyzed and presented in the project's deliverable « Bontzorlos V., Pilidou R. 2022. *Revised final table with the Key Project Indicators (KPI's) for the project EL BIOS including WebTool KPI*. Deliverable for Action C.1. Project LIFE EL-BIOS: Hellenic Biodiversity Information System: an innovative tool for biodiversity conservation. Pages 28, Athens ».

Consequently, the following section presents the project's indicators and the extent to which they have been completed or are still pending to be finalized during the course of the project. The present deliverable exclusively addresses KPIs that are related to the project's duration and its status up to the moment of the deliverable's compilation and redaction.



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## 1. ΕΙΣΑΓΩΓΗ

Στη συνέχεια παρουσιάζονται 2 ενότητες Δεικτών, οι ομαδοποιημένοι δείκτες παρακολούθησης του έργου για τα χρόνια υλοποίησης του έργου, και οι δείκτες που έχουν κατατεθεί στο διαδικτυακό εργαλείο WebTool KPI και αφορούν επίσης τη διάρκεια ζωής του έργου.

## 2. ΟΜΑΔΟΠΟΙΗΜΕΝΟΙ ΔΕΙΚΤΕΣ ΠΑΡΑΚΟΛΟΥΘΗΣΗΣ (ΚΡΙ's) ΤΟΥ ΕΡΓΟΥ «LIFE EL BIOS» ΓΙΑ ΤΑ ΧΡΟΝΙΑ ΔΙΑΡΚΕΙΑΣ και ΥΛΟΠΟΙΗΣΗΣ ΤΟΥ ΕΡΓΟΥ – (40 Δείκτες ΚΡΙ)

### 2.1 Project Performance – Behavioral Change

1					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of MoC's Signed	Estimated Impact (percentage %)
Memorandums of Cooperation (MoC's) signed between NECCA and Data Providers	NECCA	5	Yes	6	120%
<b>Comments</b>	--				

2					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of MU's adopting EL BIOS	Estimated Impact (percentage %)
Discrete Management Units (MU's) of Natura 2000 sites adopting officially the use EL BIOS in management planning in the future	NECCA	24	Not yet	--	--
<b>Comments</b>	The KPI will be achieved by the end of the project.				

3					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of governmental personnel using EL BIOS	Estimated Impact (percentage %)
Discrete governmental and public authorities' personnel using EL BIOS interface to extract information during project's lifetime	NECCA	50	Not yet	--	--
<b>Comments</b>	The KPI will be achieved by the end of the project.				

4					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of NGO, Consultancies, Institutes personnel using EL BIOS	Estimated Impact (percentage %)
Discrete NGO's, consultancies', institutes' personnel using EL BIOS interface to extract information during project's lifetime	NECCA	40	Not yet	--	--
<b>Comments</b>	The KPI will be achieved by the end of the project.				





5

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Degree of difficulty in locating biodiversity information	Estimated Impact (percentage %)
<u>Degree of data fragmentation:</u> Degree of difficulty of interested users/stakeholders in locating scattered and fragmented biodiversity information in multiple not-connected sources	NECCA	60% <i>(17% decrease from the initial respondents' percentage 77%)</i>	Not yet	--	--
<b>Comments</b>	The KPI will be achieved by the end of the project.				

6

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Degree of certainty in locating valid biodiversity information	Estimated Impact (percentage %)
<u>Degree of data validity &amp; updates:</u> Degree of certainty of interested users/stakeholders on whether the biodiversity information they have gathered is valid and updated	NECCA	40% <i>(15% decrease from the initial respondents' percentage 55%)</i>	Not yet	--	--
<b>Comments</b>	The KPI will be achieved by the end of the project.				

7

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Degree of time invested in locating/ retrieving biodiversity information	Estimated Impact (percentage %)
<u>Degree of time invested in search:</u> Degree of time invested of interested users/stakeholders on locating and retrieving scattered/fragmented biodiversity information from multiple sources	NECCA	55% <i>(17.5% decrease from the initial respondents' percentage was 72,5%)</i>	Not yet	--	--
<b>Comments</b>	The KPI will be achieved by the end of the project.				



8					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Degree of difficulty in combining biodiversity information	Estimated Impact (percentage %)
<p><u>Degree of difficulty in combining multiple sources biodiversity information:</u> Degree of difficulty of interested users/stakeholders in combining scattered/fragmented biodiversity information from multiple sources and interpret information</p> <p><b>Comments</b></p>	NECCA	<p>47%</p> <p>(15% decrease from the initial respondents' percentage 62%)</p>	Not yet	--	--
	The KPI will be achieved by the end of the project.				



## 2.2 Communication, Dissemination and Awareness Rising – Website & Social Media

9					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of unique website visits	Estimated Impact (percentage %)
Unique website visits during project's lifetime <b>Comments</b>	GREEN FUND	2,500	YES	3,000	120%

10					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of Social Media "Facebook Likes" and "YouTube views"	Estimated Impact (percentage %)
Social Media "Facebook Likes" and "YouTube views" during project's lifetime <b>Comments</b>	GREEN FUND	1,000	YES	2,181	218%

11					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of "Facebook Overall Reach" and "YouTube Views" during project's lifetime	Estimated Impact (percentage %)
"Facebook Overall Reach" and "YouTube Views" during project's lifetime <b>Comments</b>	GREEN FUND	3,000	YES	121,178	4,039%

12					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Website traffic statistics increase	Estimated Impact (percentage %)
Follow up of website traffic statistics (annual increase 15%) <b>Comments</b>	GREEN FUND	15% per year	Not yet	--	--
The website functions only for 1 year so it cannot be measured at the moment. The KPI will be achieved by the end of the project.					

### 2.3 Communication, Dissemination and Awareness Rising – Awareness Raising

13					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of general public entities/individuals reached/ made aware through Info Days	Estimated Impact (percentage %)
General public entities/individuals reached/ made aware through Info Days	GREEN FUND	300	Not yet	--	--
<b>Comments</b>	It was decided not to realize open Info Days at the first phase of the project, since all the necessary approaches to attract attention and datasets were realized on more technical bilateral meetings, which were deemed more necessary. The consortium will realize Info Days immediately after the launch of EL BIOS IS, apart the foreseen specialized capacity building sessions, as informative Info Days in respect to EL BIOS IS to the open public. The KPI will be achieved by the end of the project.				
14					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of general public entities/individuals, and affiliated personnel/employees, reached out and made aware of EL BIOS project through website, training, Info Days, web trainings	Estimated Impact (percentage %)
General public entities/individuals, and affiliated personnel/employees, reached out and made aware of EL BIOS project through website, training, Info Days, web trainings	GREEN FUND	5,000	YES	121,178	2,423%
<b>Comments</b>					
15					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of leaflets given to interested parties	Estimated Impact (percentage %)
Leaflets given to interested parties, organizations, bodies, etc.	GREEN FUND	3,000	Partially Complete	1,500 (estimation)	50%
<b>Comments</b>	The 3,000 leaflets produced, were equally given to AUTH, UTH, EKBY, NECCA, GREEN FUND, OLYMPUS, and they are given respectively to all interested parties visiting each Associated Beneficiary's premises.				



## 2.4 Communication, Dissemination and Awareness Rising – Capacity Building

16

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of NECCA headquarter employees trained	Estimated Impact (percentage %)
NECCA headquarter employees that will be trained as first-end EL BIOS users	NECCA	5	Not yet	--	--
<b>Comments</b>	After the launch of the EL BIOS IS, trainings will begin towards various audiences and target groups / stakeholders, among them NECCA headquarter employees as first-end users. The KPI will be achieved by the end of the project.				

17

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of second-third level EL BIOS trainees from Ministry Directorates and pilot sites MU's	Estimated Impact (percentage %)
Second-third level EL BIOS trainees from Ministry Directorates and pilot sites MU's	NECCA	20	Not yet	--	--
<b>Comments</b>	After the launch of the EL BIOS IS, trainings will begin towards various audiences and target groups / stakeholders, among them trainees from Ministry Directorates and pilot sites MU's as second-third level users. The KPI will be achieved by the end of the project.				

18

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of second-third level EL BIOS trainees from 24 MU's	Estimated Impact (percentage %)
Second-third level EL BIOS trainees from 24 MU's	NECCA	50	Not yet	--	--
<b>Comments</b>	After the launch of the EL BIOS IS, trainings will begin towards various audiences and target groups / stakeholders, among them personnel of the 24 MU's of NECCA as second-third level users. The KPI will be achieved by the end of the project.				



19

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of second-third level EL BIOS trainees from NGO's	Estimated Impact (percentage %)
Second-third level EL BIOS trainees from NGO's	NECCA	20	Not yet	--	--
<b>Comments</b>	After the launch of the EL BIOS IS, trainings will begin towards various audiences and target groups / stakeholders, among them personnel of NGO's as second-third level users. The KPI will be achieved by the end of the project.				

20

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of second-third level EL BIOS trainees from Forest Directorates & Services	Estimated Impact (percentage %)
Second-third level EL BIOS trainees from Forest Directorates & Services	NECCA	100	Not yet	--	--
<b>Comments</b>	After the launch of the EL BIOS IS, trainings will begin towards various audiences and target groups / stakeholders, among them personnel of Forest Directorates and Services as second-third level users. The KPI will be achieved by the end of the project.				

21

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Increase in trainees' capacity using EL BIOS	Estimated Impact (percentage %)
Change in trainees' capacity to use EL BIOS	NECCA	70% Increase	Not yet	--	--
<b>Comments</b>	Once the capacity building training seminars will take place, with the completion of questionnaires from the trainees prior to being trained and after use of the tool and relevant training to evaluate the changes in their knowledge background. A positive change at 70% is expected and will be verified through these questionnaires. The KPI will be achieved by the end of the project.				



## 2.5 Other – Construction of EL BIOS Information System: Design and Development

22					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of subsystems created	Estimated Impact (percentage %)
Management, processing, administration and presentation subsystems created for EL BIOS development and function	AUTH	4	YES	4	100%
<b>Comments</b>			--		

23					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of workflows created	Estimated Impact (percentage %)
Discrete workflows developed for EO data processing at national scale	AUTH	7	YES	7	100%
<b>Comments</b>			--		



## 2.6 Other – Biodiversity Databases that will "migrate" into EL BIOS Information System

24					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete central-government biodiversity databases	Estimated Impact (percentage %)
Discrete central-government biodiversity databases (national monitoring - birds, mammals, flora, reptiles, etc.) delivered with granted permission, for process and data migration into EL BIOS	NECCA	9	YES	9	100%
<b>Comments</b>	(1) Natura 2000 sites Database, (2) the CDDA Database of the National Protected Areas, (3) the previous six-year National Reports of Article 17 and Article 12 (Habitats & Birds Directives): 3 National Reports for Article 17 and 2 National Reports for Article 12 – 5 in total, (4) The National Monitoring Biodiversity Databases for the period 2012-2016, 1 bibliographical and 1 from field work – 2 in total.				

25					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete entrances migrated from central-government biodiversity databases	Estimated Impact (percentage %)
Discrete entrances to EL BIOS from migrated central-government biodiversity databases	EKBY	100,000	Not Yet	--	--
<b>Comments</b>	In mid-2024 there will be a correction and recalibration of the National Monitoring Biodiversity Databases for the period 2012-2016 (1 bibliographical and 1 from field work), as part of the work realized for the new National Monitoring Biodiversity in Greece (2022-2025). As such when that effort is completed these updated/corrected data will be included in EL BIOS.				

26					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete databases delivered from Research Institutes', Universities' and Associations	Estimated Impact (percentage %)
Discrete Research Institutes', Universities' and Associations' biodiversity databases delivered with granted permission, for process and data migration into EL BIOS	NECCA	2	YES	5	250%
<b>Comments</b>	1) The Atlas of mammals in Greece - <i>Hellenic Zoological Society</i> , 2) Atlas of Reptiles and Amphibians of Greece Hellenic herpetological society database - <i>Hellenic Herpetological Society</i> , 3) Hellenic Forestry Society database - <i>Hellenic Forestry Society</i> , 4) The ALAS database on distribution of invasive species from - <i>University of the Aegean, Department of Oceanography and Marine Life Sciences</i> , 5) The MARISCA database on distribution of marine protected species and sensitive marine habitat types - <i>University of the Aegean, Department of Oceanography and Marine Life Sciences</i>				





27

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete entrances migrated from Research Institutes, Universities and Associations' biodiversity databases	Estimated Impact (percentage %)
Discrete entrances to EL BIOS from migrated Research Institutes, Universities and Associations' biodiversity databases	EKBY	25,000	YES	153,231	612,9%
<b>Comments</b>	1) The Atlas of mammals in Greece - 28,899 entrances, 2) Atlas of Reptiles and Amphibians of Greece 32,810 entrances, 3) Hellenic Forestry Society database - 62 entrances, 4) The ALAS database on distribution of invasive species from – 9,969 entrances, 5) The MARISCA database on distribution of marine protected species and sensitive marine habitat types – 81,491 entrances				

28

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete Special Ecological Assessments biodiversity databases	Estimated Impact (percentage %)
Discrete Special Ecological Assessments' biodiversity databases delivered with granted permission, for process and data migration into EL BIOS	OLYMPUS	100	YES	>100	100%
<b>Comments</b>					

29

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete entrances migrated from Special Ecological Assessments' biodiversity databases	Estimated Impact (percentage %)
Discrete entrances to EL BIOS from migrated Special Ecological Assessments' biodiversity databases	OLYMPUS	10,000	YES	>10,000	100%
<b>Comments</b>					



30

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete NGO's biodiversity databases	Estimated Impact (percentage %)
Discrete NGO's biodiversity databases delivered with granted permission, for process and data migration into EL BIOS	NECCA	1	YES	2	200%
<b>Comments</b>	1) Cave Fauna of Greece Database (CFG) - Hellenic Institute of Speleological Research (HISR), 2) Greek Island Wetlands - WWF Greece				

31

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete entrances migrated from NGO's biodiversity databases	Estimated Impact (percentage %)
Discrete entrances to EL BIOS from migrated NGO's biodiversity databases	EKBY	10,000	YES	30,830	308.3%
<b>Comments</b>	1) Cave Fauna of Greece Database (CFG) - Hellenic Institute of Speleological Research (HISR): 2.820 entrances, 2) Greek Island Wetlands - WWF Greece: 28.010 entrances				



## 2.7 Other – Implementation of EL BIOS Information System

32					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete produced EO biodiversity indicators	Estimated Impact (percentage %)
Discrete produced national EO biodiversity indicators from EL BIOS implementation	AUTH	4	YES	4	100%
<b>Comments</b>	By the word “produced” we refer to the fact that these indicators have been described and defined as a function, in detail, but they will be calculated numerically/metrics in the continuation of the project				

33					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete produced biodiversity indicators	Estimated Impact (percentage %)
Discrete biodiversity indicators produced with EL BIOS implementation	EKBY	8	YES	8	100%
<b>Comments</b>	By the word “produced” we refer to the fact that these indicators have been described and defined as a function, in detail, but they will be calculated numerically/metrics in the continuation of the project				

34					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete produced policy indicators	Estimated Impact (percentage %)
Discrete policy indicators produced with EL BIOS implementation	EKBY	6	YES	6	100%
<b>Comments</b>	By the word “produced” we refer to the fact that these indicators have been described and defined as a function, in detail, but they will be calculated numerically/metrics in the continuation of the project				



## 2.8 Other – Field Work results in Pilot Sites A & B

35					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete high Spatial Resolution Remote Sensing data-plots in 2 Pilot Sites	Estimated Impact (percentage %)
Number of discrete high Spatial Resolution Remote Sensing data-plots in 2 Pilot Sites (20 plots in Pindus and 5 plots in Strofyliya - 0,2ha each = 5ha in total)	AUTH	25 (data-plots) 5 (ha)	YES	35	140%
<b>Comments</b>	All in-situ samplings have been realized and completed. 21 plots in Pindus Valia Kalda and 14 in Srofylia.				

36					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of detailed ground measurements/recordings for flora and trees	Estimated Impact (percentage %)
Number of detailed ground measurements/recordings for biodiversity related parameters (flora and trees) in 2 Pilot Sites - 20 plots Pindus & 5 plots Strofyliya	OLYMPUS	500	YES	2,029	405%
<b>Comments</b>	All in-situ samplings have been realized and completed. 1418 recordings in Pindus Valia Kalda and 611 in Strofyliya.				

37					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of wireless sensors deployed	Estimated Impact (percentage %)
Number of wireless sensors deployed in the pilot site of Pindos National Park	UTH	60	YES	70	116%
<b>Comments</b>	In Valia Kalda – Pindos National Park, the following has been installed: 10 nodes – Each node includes 3 temperature sensors, 1 humidity sensor, 1 atmospheric pressure sensor, 1 microphone, 1 camera. A total of 7 wireless sensor per node. A total of 70 sensors installed. The camera does not operate due to GDPR reasons until its function can be resolved, as such 60 sensors are in function.				



38

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of recording days of wireless sensors	Estimated Impact (percentage %)
Recording days of wireless sensors in Pindos National Park	UTH	300	Partially Complete	123	41%
<b>Comments</b>	<p>The 10 installed nodes / 70 sensors have been installed in two phases. 2 nodes were installed in 10/7/2023. 8 nodes were installed in 5/8/2023. In 20/10/2023, 7 nodes were removed and 3 remained. As such, the recording days are calculated as follows:</p> <p>2 nodes installed in 10/7/2023 and are still in place, function for (21(July)+31(August)+30(September)+31(October)+10(November) = 123) recording days.</p> <p>1 node installed in 5/8/2023 and is still in place, functions for (26(August)+30(September)+31(October)+10(November) = 97) recording days.</p> <p>7 nodes installed in 5/8/2023 and removed in 20/10/2023, functioned for (26(August)+30(September)+20(October) = 76) recording days.</p> <p>As such the maximum of recording days are at 123 recording days up to the date.</p>				

39

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of identified activities	Estimated Impact (percentage %)
Didentified occasions/activities through sensors with AI patterns	UTH	500	Partially Complete	377	75.4%
<b>Comments</b>	<p>The 10 installed nodes / 70 sensors operate 4 times per day, during which they record for 30 minutes each time they operate. The camera does not operate due to GDPR reasons until its function can be resolved, as such 60 sensors are in function. These 4min are divided in 4second segments.</p> <p>The number identified illegal activities/incidents so far with 90% certainty are 377.</p>				

40

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of water/hydrological data recorded	Estimated Impact (percentage %)
Number of water/hydrological data recorded through sensors for 5 parameters	UTH	1,000	Partially Complete	800	80%
<b>Comments</b>	<p>The water sensors were placed in alpine lake Tymfi at 21/10, and they record the following 10 parameters:</p> <p>1) Ph, 2) Water Temperature, 3) Environment Temperature, 4) Turbidity, 5) Electric Conductivity, 6) Desolved Oxygen, 7) Nitrates, 8) Nitrate ions, 9) Ammonia, 10) Chlorophyll.</p> <p>Sensors record 4 times per day, thus, until 10/11 measurements sum up to:</p> <p><b>20 (days since installment) x 10 (different parameters) x 4 (operating times per day) = 800</b></p>				

### 3. ΔΕΙΚΤΕΣ ΠΑΡΑΚΟΛΟΥΘΗΣΗΣ ΤΟΥ ΕΡΓΟΥ ΟΠΩΣ ΕΧΟΥΝ ΚΑΤΑΤΕΘΕΙ ΣΤΟ Online ΕΡΓΑΛΕΙΟ WEBTOOL KPI – ( ΔΕΙΚΤΕΣ KPI)

1					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Area of environmental/climate implementation actions	Estimated Impact (percentage %)
Area of environmental/climate implementation actions (e.g. development, testing, demonstration, application of best practices/innovations)	NECCA	191	YES	191	100%
<b>Comments</b>	In the KPI WebTool a typo error initially stated 200ha of extension (10ha lake Tymfi and 190 the perimeter of the area within Valia Kalnta where the wireless sensors were placed) but it is actually 191 ha (1 ha Tymfi and 190ha the Pilot Areas). All wireless sensors are located within the 190ha of Valia Kalda and in Tymfi lake the water sensors were also placed.				

2					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of persons who changed their behaviour	Estimated Impact (percentage %)
Persons who changed their behaviour or practices due to the project actions	NECCA/GRFU	120	Not Yet	--	--
<b>Comments</b>	From a total of 266 people questioned, 72,5% (193 individuals) answered that they INVEST A LOT OF TIME (ranking 3, 4 and 5) on locating and retrieving scattered/fragmented biodiversity information, leaving a total of 27,5% (73 individuals) believing that they DO NOT INVEST A LOT OF TIME. We expect with the use of EL BIOS by the end of the project, that the number of people who believe that they DO NOT INVEST A LOT OF TIME to retrieve biodiversity information and locate the information fast or faster, will rise up to 45% - a total of 120 individuals. That also gives a 17,5% decrease, in the percentage of people who believe the locate biodiversity information investing a lot of time. The KPI will be achieved by the end of the project.				

3					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of people influenced via dissemination	Estimated Impact (percentage %)
Persons who may have been influenced via dissemination or awareness raising project-actions (reaching)	GRFU	5,000	YES	121,178	2,423%
<b>Comments</b>	This is a cumulative value, calculated since the beginning of the project. It is comprised by the total				



number of website visits, Facebook Reach and YouTube views, Info Days, Capacity Building, media.

4					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of persons with improved capacity	Estimated Impact (percentage %)
Persons with improved capacity or knowledge due to project actions	NECCA/GRFU	450	Not yet		
<b>Comments</b>	<p>It was mentioned initially that 3 Info Days will be realized, expecting 100 participants in each Info Day (summing a total of 300 individuals reached), and one Final Conference where 150 participants are expected (KPI nr 13).</p> <p>Nonetheless, it was decided not to realize open Info Days at the first phase of the project, since all the necessary approaches to attract attention and datasets were realized on more technical bilateral meetings, which were deemed more necessary. The consortium will realize Info Days immediately after the launch of EL BIOS IS, apart the foreseen specialized capacity building sessions, as generic informative Info Days in respect to EL BIOS to the open public.</p> <p>The KPI will be achieved by the end of the project.</p>				

5					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of Institutes that delivered databases to EL BIOS	Estimated Impact (percentage %)
Supervisory/enforcement bodies involved - Institutes	NECCA	2	YES	2	100%
<b>Comments</b>	<p>1) The Atlas of mammals in Greece - <i>Hellenic Zoological Society</i>, 2) Atlas of Reptiles and Amphibians of Greece Hellenic herpetological society database - <i>Hellenic Herpetological Society</i>, 3) Hellenic Forestry Society database - <i>Hellenic Forestry Society</i>, 4) The ALAS database on distribution of invasive species from - <i>University of the Aegean, Department of Oceanography and Marine Life Sciences</i>, 5) The MARISCA database on distribution of marine protected species and sensitive marine habitat types - <i>University of the Aegean, Department of Oceanography and Marine Life Sciences</i></p>				

6					
Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of National Authorities	Estimated Impact (percentage %)
Supervisory/enforcement bodies involved – National Authorities	NECCA/AUTH/UTH	2	YES	2	100%
<b>Comments</b>	<p>During the project's lifetime, the project will be launched and applied with innovative techniques that will incorporate data in EL BIOS Information System, in 2 Pilot Areas, which fall under the jurisdiction of 2 discrete Management Units of Protected Areas,</p> <ul style="list-style-type: none"> <li>- the Management Unit of Northern Pindus National Park,</li> <li>- the Management Unit of Strofylia and Protected Areas of Western Peloponnese.</li> </ul> <p>In both MU's in-situ biodiversity measurements, UAV flights, wireless sensors, have been realized</p>				



7

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of systems implemented	Estimated Impact (percentage %)
Risk based compliance/enforcement systems implemented	AUTH	1	Not yet	--	--
<b>Comments</b>	During the project's lifetime, one (1) Information System (EL BIOS) will be produced and delivered to NECCA for long term use, operation and deployment in the whole Natura 2000 network. It is still under construction and it will be launched soon.				

8

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of Public Bodies aware/trained/involved	Estimated Impact (percentage %)
Involvement of non-governmental organisations (NGOs) and other stakeholders in project activities / Public Bodies	NECCA/AUTH	4	Not yet	--	--
<b>Comments</b>	<p>In central government in Greece, in the Ministry of Environment and Energy, there is</p> <ul style="list-style-type: none"> <li>- one General Directorate of Forest and Forest Environment</li> <li>and there are 4 sub-directorates,</li> <li>- Directorate of Programming and Forest Policy</li> <li>- Directorate of Forest Protection</li> <li>- Directorate of Forest Works and Infrastructure</li> <li>- Directorate of Forest Management</li> </ul> <p>By the end of the project's lifetime, all 4 Forest Directorates will have received outreach, information/awareness actions, as well as training of personnel.</p> <p>The KPI will be achieved by the end of the project.</p>				

9

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of NGOs aware/trained/involved	Estimated Impact (percentage %)
Involvement of non-governmental organisations (NGOs) and other stakeholders in project activities	NECCA/AUTH	10	Not yet	--	--
<b>Comments</b>	During the project's lifetime, both the outreach, information/awareness actions, as well as training of personnel, will include 10 major environmental NGO's of the country. The KPI will be achieved by the end of the project.				





**10**

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of official website unique visits realized	Estimated Impact (percentage %)
Official website number of unique visits	GRFU	2,500	YES	3,000	120%
<b>Comments</b>	It is expected that 2,500 discrete users will connect and deliver 2,500 unique website visits during the project's lifetime. Up to the moment 3,000 unique visits have been realized.				

**11**

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of articles in print media	Estimated Impact (percentage %)
Number of articles in print media (e.g. newspaper and magazine articles)	GRFU	10	Partially Complete	1	10%
<b>Comments</b>	During the project's lifetime, a total of 10 articles will be diffused in websites and journals related to conservation. 1 article was published so far in ECOTEC magazine.				

**12**

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of other distinct media products created	Estimated Impact (percentage %)
Other distinct media products created (e.g. different videos/broadcast/leaflets)	GRFU	5	Partially Complete	2	40%
<b>Comments</b>	During the project's lifetime, 1 30min radio spot will be produced, 3 videos (1 video short introductory, and 2 more videos showcasing the natural capital of Greece), 1 leaflet (in 3,000 copies). Up to the day 1 radio spot and one video have been produced so far.				



**13**

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of different displayed information created	Estimated Impact (percentage %)
Number of different displayed information created (posters, information boards)	GRFU	4	Partially Complete	3	75%
<b>Comments</b>	During the project's lifetime the following will be created: 1 Poster (in 100 copies), 1 Noticeboard (in 7 copies), 1 banner (in 4 copies), 1 User Guide. Up to the day all have been created except the User Guide which is foreseen to be realized in 2024.				

**14**

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of discrete Project Reports drafted	Estimated Impact (percentage %)
Number of discrete Project Reports drafted	GRFU	5	Partially Complete	1	20%
<b>Comments</b>	During the project's lifetime, 2 Progress Reports, 1 Mid-term Report, 1 Final Report and 1 Layman's report will be published. Up to the day 1 Progress Report has been completed and submitted.				

**15**

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of individuals surveyed who are aware of the environmental and/or climate action issue addressed	Estimated Impact (percentage %)
Number of individuals surveyed	GRFU	266	Not yet	---	--
<b>Comments</b>	In the PDF Deliverable of the project -Revised final table with the Key Project Indicators (KPIs) for the project EL BIOS, Indicators nr from 5 to 8 (page 7 of Deliverable) measure through survey questionnaires, the DEGREE OF DATA FRAGMENTATION, DATA VALIDITY & UPDATES, TIME INVESTED IN SEARCH, DIFFICULTY IN COMBINING MULTIPLE SOURCES. The Indicators were formulated and based in preparatory Action A.1.3 results. In specific a total of 266 individuals were interviewed with different percentages of answers in each discrete indicator. NOTE: The pool of 266 people questioned, may not be the same when asked again by the end of the project, or additionally surveyed people may be added to the process. In that case, percentages will be more representative of the process, and not absolute values. The KPI will be achieved by the end of the project				

16

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of members of interest groups / lobby organizations with whom networking was realized	Estimated Impact (percentage %)
Networking with members of interest groups / lobby organizations	GRFU	12	YES	18	150%
<b>Comments</b>	<p>LIFE Prowhibit – 4 people – Georgios Velegrakis, Eleni Glypti, Konstantina Mitsiou, Panagiotis Tsolakidis</p> <p>LIFE IP4Natura – 2 people – Katerina Kotsovoulou, Georgios Mallinis</p> <p>LIFE AdaptInGr – 1 person – Spyridoula Ntemiri</p> <p>LIFE IP CEI Greece – 2 people – Zoi Gaitanarou, Dimitrios Homatidis</p> <p>Spanish Ministry for Ecological Transition &amp; Demography – 5 people - Gabriel Martorelli, Belen Fierro, Carmen Izquierdo, Maria Jose, Sylvester Zapzala</p> <p>LIFE Profile – 4 people - Aristeidis Parmakelis, Stavroula Pouli, Athanasios Rentizelas, Ioanna Pothitaki</p>				

17

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of trained professionals - experts in the field	Estimated Impact (percentage %)
Training of professionals - experts in the field	NECCA/GRFU/EKBY/AUTH	285	Not Yet	--	--
<b>Comments</b>	<p>A number of discrete Bodies/Organizations/Services personnel will be trained during the project s lifetime to use EL BIOS in various levels. In specific:</p> <p>NECCA headquarters central agency and the 24 MU personnel: 55 5 central headquarters NECCA personnel trained as first-end users, and 50 NECCA MU personnel that will receive training as second/third level users.</p> <p>MINISTRY OF ENVIRONMENT, Directorates and public servants: 50</p> <p>FOREST DIRECTORATES &amp; FOREST SERVICES personnel trained as second/third end users: 100</p> <p>NGO's personnel: 30</p> <p>UNIVERSITIES, RESEARCH INSTITUTES personnel trained as second/third end users: 50</p> <p>The KPI will be achieved by the end of the project</p>				



18

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Number of job positions created during the project	Estimated Impact (percentage %)
Job positions created during the project <b>Comments</b>	All Consortium GREEN FUND – 3 / OLYMPUS – 1 / EBKY – 1 / NECCA – 2 / AUTH – 6 / UTH - 6	19	YES	19	100%

19

Indicator Description	Responsible Beneficiary	KPI goal	KPI Complete?	Total operating costs for the project so far	Estimated Impact (percentage %)
Running cost/operating costs during the project <b>Comments</b>	All consortium The total cost/budget of EL BIOS project during the project s lifetime for its full implementation is estimated at 2,571,132.00 Euros.	2,571,132.00 Euros	Partially Complete	541,809 (to be corrected)	21%