



PROIECT DE HOTĂRÂRE

privind aprobarea participării Municipiului Tulcea ca partener în cadrul proiectului "Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta - EDAPHIC-BLOOM DANUBE (Redimensionarea ecologică prin acțiuni și dialoguri urbane și rurale pentru atenuarea emisiilor de gaze cu efect de seră în lunca inundabilă a Dunării de Jos și în Delta Dunării)", precum și a cofinanțării proprii

Consiliul Local al Municipiului Tulcea, întrunit în ședința ordinară din data de 17 decembrie 2020, legal constituită;

Examinând documentația întocmită privind aprobarea participării Municipiului Tulcea ca partener în cadrul proiectului "Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta - EDAPHIC-BLOOM DANUBE (Redimensionarea ecologică prin acțiuni și dialoguri urbane și rurale pentru atenuarea emisiilor de gaze cu efect de seră în lunca inundabilă a Dunării de Jos și în Delta Dunării)" precum și a cofinanțării proprii, proiect din inițiativa primarului;

Luând în discuție referatul de aprobare al Primarului Municipiului Tulcea, Ștefan ILIE, înregistrat sub nr. 37815/11.12.2020 și raportul de specialitate nr. 37814/11.12.2020 al Direcției Management Proiecte cu Finanțare Nerambursabilă;

Reținând avizele comisiilor de specialitate ale Consiliului Local al Municipiului Tulcea;

Având în vedere:

- Programul de finanțare EUKI.

- art. 20 și art. 44 din Legea nr. 273/2006 privind Finanțele Publice Locale, cu modificările și completările ulterioare;

În baza dispozițiilor art. 87 alin. (5), art. 129 alin. (2) lit. b), alin. (4), lit. a) și d) și alin. (7) lit. i) din Ordonanța de Urgență a Guvernului nr. 57/2019 privind Codul Administrativ, cu modificările și completările ulterioare;

În temeiul art. 136 alin. (1), art. 139, alin. (1) și (3), art. 196 alin. (1) lit. a), art. 197 alin. (4) și art. 199 din Ordonanța de Urgență a Guvernului nr. 57/2019 privind Codul Administrativ, cu modificările și completările ulterioare;

HOTĂRĂȘTE

ART. 1 Se aprobă participarea Municipiului Tulcea ca partener în cadrul proiectului "Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta - EDAPHIC-BLOOM DANUBE (Redimensionarea ecologică prin acțiuni și dialoguri urbane și rurale pentru atenuarea emisiilor de gaze cu efect de seră în lunca inundabilă a Dunării de Jos și în Delta Dunării)".

ART. 2 Se aprobă cofinanțarea proprie a Municipiului Tulcea pentru proiectul "Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta - EDAPHIC-BLOOM DANUBE (Redimensionarea ecologică prin acțiuni și dialoguri urbane și rurale pentru atenuarea emisiilor de gaze cu efect de seră în lunca inundabilă a Dunării de Jos și în Delta Dunării)" în valoare de 2.000 euro, echivalent a 10.000 lei, la un curs estimat de 5 lei/euro, reprezentând 5% din valoarea totală alocată Municipiului Tulcea.

ART. 3 Consiliul Local al Municipiului Tulcea va asigura rectificarea bugetului local la momentul constituirii surselor de venit, precum și oricând pe parcursul proiectului, în eventualitatea suportării unor cheltuieli conexe sau neeligibile și va asigura toate resursele financiare necesare implementării proiectului în condițiile rambursării/decontării ulterioare a cheltuielilor.

ART. 4 Se împuternicește Primarul Municipiului Tulcea, Ștefan Ilie să semneze toate actele necesare și acordul de parteneriat în numele Municipiului Tulcea.

ART. 5 Secretarul general al Municipiului Tulcea asigură comunicarea prezentei hotărâri autorităților și persoanelor interesate pentru ducerea la îndeplinire a prevederilor sale.

ART. 6 Prezenta hotărâre va fi adusă la cunoștință publică prin afișare la sediul Municipiului Tulcea și publicare pe site-ul propriu al Primăriei Municipiului Tulcea.

Vizat
pentru legalitate,
p. SECRETARUL GENERAL
AL MUNICIPIULUI TULCEA,
Leventh IUSUF

Inițiator,
Ștefan ILIE,
PRIMARUL MUNICIPIULUI TULCEA





ROMÂNIA - JUDEȚUL TULCEA
PRIMARUL MUNICIPIULUI TULCEA



Nr. 37815/11.12.2020

REFERAT DE APROBARE

privind aprobarea participării Municipiului Tulcea ca partener în cadrul proiectului "Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta - EDAPHIC-BLOOM DANUBE (Redimensionarea ecologică prin acțiuni și dialoguri urbane și rurale pentru atenuarea emisiilor de gaze cu efect de seră în lunca inundabilă a Dunării de Jos și în Delta Dunării)", precum și a cofinanțării proprii

Urmare a invitației din partea Institutului Național de Cercetare-Dezvoltare "Delta Dunării" adresată Primăriei Municipiului Tulcea de a-și exprima acordul referitor la depunerea unui proiect în parteneriat, Municipiul Tulcea a acceptat această solicitare și a participat la depunerea ideii de proiect alături de inițiatorii acestuia.

Cererea de finanțare cu titlul "Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta – EDAPHIC-BLOOM DANUBE (Redimensionarea ecologică prin acțiuni și dialoguri urbane și rurale pentru atenuarea emisiilor de gaze cu efect de seră în lunca inundabilă a Dunării de Jos și în Delta Dunării)" a fost depusă în cadrul Programului de finanțare EUKI. Proiectul are ca obiectiv general să consolideze capacitățile de atenuare a gazelor cu efect de seră în regiunea țintă prin conservarea/restaurarea solurilor organice și creșterea eficienței energetice în sectorul mediului construit, iar ca obiectiv specific are drept scop creșterea calității mediului construit în Tulcea și în regiunea Dobrogea, în particular creșterea performanței energetice a clădirilor, conform componentei BLOOM – BuiLt envirOnment perfoRmance: Boosting Capacities for Energy Efficiency in the Built Environment Sector a proiectului.

Programul de finanțare EUKI (Inițiativa Climatică Europeană) a fost instituit la inițiativa Ministerului Mediului, Conservării Naturii și Securității Nucleare (BMU) al Republicii Federale Germania pentru o cooperare și mai strânsă în dezvoltarea și punerea în aplicare a politicii climatice a UE. Prin EUKI (<https://www.euki.de/>), statele membre cooperează pentru atingerea obiectivelor stabilite în Acordul de la Paris. Inițiativa susține dialogul interior european, schimbul de bune practici, conștientizarea și transferul de cunoștințe.

EUKI finanțează proiecte ce au ca scop atenuarea schimbărilor climatice.

Finanțarea se realizează prin Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH (Agenția de Cooperare Internațională a Germaniei).

În urma evaluării cererii de finanțare, proiectul depus de către Institutul Național de Cercetare-Dezvoltare "Delta Dunării" a fost admis la finanțare și a fost semnat contractul de finanțare în data de 25.11.2020.

Urmare a acestui lucru, se va încheia contractul de parteneriat cu toți partenerii implicați în proiect, inclusiv Municipiul Tulcea.

Partenerii și activitățile proiectului sunt prezentate în Fișa de proiect - anexă la raport.

Principalele responsabilități ale Municipiului Tulcea în calitate de partener al acestui proiect sunt:



ROMÂNIA - JUDEȚUL TULCEA
PRIMARUL MUNICIPIULUI TULCEA



- selectarea clădirilor ce urmează a fi auditate energetic, punerea la dispoziție a materialelor necesare studiului (fișe tehnice existente, proiectul clădirii etc.) și asigurarea accesului pentru măsurători;
- centralizarea și transmiterea către parteneri a tuturor certificatelor energetice / auditelor energetice depuse la recepția lucrărilor autorizate pe raza municipiului Tulcea, în vederea populării bazei de date GIS;
- deschiderea unei secțiuni pe website-ul primăriei, unde va fi prezentată harta eficienței energetice creată de către INCDDD în urma georeferențierii informațiilor privind performanța energetică a clădirilor și păstrarea hărții pe website atât pe durata implementării proiectului, cât și după încheierea acestuia;
- asigurarea participării la trainingurile organizate în proiect a personalului relevant din cadrul Serviciului Urbanism și a personalului care organizează achizițiile publice pentru atribuirea contractelor de servicii și lucrări de proiectare/execuție;
- participarea la întâlnirile cu partenerii din țară și din străinătate;
- organizarea unei sesiuni de informare/consultare cu publicul și a unui workshop pentru diseminarea practicilor sustenabile în utilizarea energiei în clădiri (în cooperare cu toți partenerii);
- întocmirea rapoartelor de progres pentru activitățile implementate.

Valoarea totală a proiectului este de 916.135 euro din care, contribuția din partea EUKI este de 863.959 euro (94% din bugetul total al proiectului), iar contribuția proprie a parteneriatului este de 52.176 euro (6% din bugetul total al proiectului).

În vederea implementării activităților din proiect, pentru Municipiul Tulcea s-a alocat un buget de 40.896 euro, din care:

- 38.896 euro reprezintă grantul acordat din partea EUKI, reprezentând 95% din valoarea totală alocată;
- 2.000 euro reprezintă cofinanțarea proprie din partea Municipiului Tulcea, reprezentând 5% din valoarea totală alocată, echivalent a 10.000 lei, la un curs estimat de 5 lei/euro.

Perioada de desfășurare a proiectului: Noiembrie 2020 – Ianuarie 2023.

Având în vedere cele expuse anterior și luând în considerare Raportul de specialitate nr.37814/11.12.2020 întocmit de către Direcția Management Proiecte cu Finanțare Nerambursabilă,

Supunem spre aprobare participarea Municipiului Tulcea ca partener în cadrul proiectului "Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta – EDAPHIC-BLOOM DANUBE (Redimensionarea ecologică prin acțiuni și dialoguri urbane și rurale pentru atenuarea emisiilor de gaze cu efect de seră în lunca inundabilă a Dunării de Jos și în Delta Dunării)" precum și cofinanțarea proprie în cadrul proiectului în valoare de 2.000 euro, echivalent a 10.000 lei, la un curs estimat de 5 lei/euro, reprezentând 5% din valoarea totală alocată Municipiului Tulcea.

Față de cele prezentate mai sus, a fost elaborat proiectul de hotărâre pe care vă rugăm să-l adoptați în forma și conținutul redactat.

Inițiator
Ștefan ILIE,
Primarul Municipiului Tulcea





ROMÂNIA - JUDEȚUL TULCEA
MUNICIPIUL TULCEA

Direcția Management Proiecte cu Finanțare Nerambursabilă



Nr. înreg.37814/11.12.2020

APROB,

Ștefan ILIE,

Primarul Municipiului Tulcea



RAPORT DE SPECIALITATE

privind aprobarea participării Municipiului Tulcea ca partener în cadrul proiectului "Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta - EDAPHIC-BLOOM DANUBE (Redimensionarea Ecologică prin acțiuni și dialoguri urbane și rurale pentru atenuarea emisiilor de gaze cu efect de seră în lunca inundabilă a Dunării de Jos și în Delta Dunării)", precum și a cofinanțării proprii

Urmare a invitației din partea Institutului Național de Cercetare-Dezvoltare "Delta Dunării" adresată Primăriei Municipiului Tulcea de a-și exprima acordul referitor la depunerea unui proiect în parteneriat, Municipiul Tulcea a acceptat această solicitare și a participat la depunerea ideii de proiect alături de inițiatorii acestuia.

Cererea de finanțare cu titlul "Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta – EDAPHIC-BLOOM DANUBE (Redimensionarea ecologică prin acțiuni și dialoguri urbane și rurale pentru atenuarea emisiilor de gaze cu efect de seră în lunca inundabilă a Dunării de Jos și în Delta Dunării)" a fost depusă în cadrul Programului de finanțare EUKI. Proiectul are ca obiectiv general să consolideze capacitățile de atenuare a gazelor cu efect de seră în regiunea țintă prin conservarea/restaurarea solurilor organice și creșterea eficienței energetice în sectorul mediului construit, iar ca obiectiv specific are drept scop creșterea calității mediului construit în Tulcea și în regiunea Dobrogea, în particular creșterea performanței energetice a clădirilor, conform componentei BLOOM – Built environment performance: Boosting Capacities for Energy Efficiency in the Built Environment Sector a proiectului.

Programul de finanțare EUKI (Inițiativa Climatică Europeană) a fost instituit la inițiativa Ministerului Mediului, Conservării Naturii și Securității Nucleare (BMU) al Republicii Federale Germania pentru o cooperare și mai strânsă în dezvoltarea și punerea în aplicare a politicii climatice a UE. Prin EUKI (<https://www.euki.de/>), statele membre cooperează pentru atingerea obiectivelor stabilite în Acordul de la Paris. Inițiativa susține dialogul interior european, schimbul de bune practici, conștientizarea și transferul de cunoștințe.

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Finanțarea se realizează prin Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH (Agenția de Cooperare Internațională a Germaniei).

În urma evaluării cererii de finanțare, proiectul depus de către Institutul Național de Cercetare-Dezvoltare "Delta Dunării" a fost admis la finanțare și a fost semnat contractul de finanțare în data de 25.11.2020.

Urmare a acestui lucru, se va încheia contractul de parteneriat cu toți partenerii implicați în proiect, inclusiv Municipiul Tulcea.

Partenerii și activitățile proiectului sunt prezentate în Fișa de proiect - anexă la raport.

Principalele responsabilități ale Municipiului Tulcea în calitate de partener al acestui proiect sunt:

- selectarea clădirilor ce urmează a fi auditate energetic, punerea la dispoziție a materialelor necesare studiului (fișe tehnice existente, proiectul clădirii etc.) și asigurarea accesului pentru măsurători;
- centralizarea și transmiterea către parteneri a tuturor certificatelor energetice / auditelor energetice depuse la recepția lucrărilor autorizate pe raza municipiului Tulcea, în vederea populării bazei de date GIS;
- deschiderea unei secțiuni pe website-ul primăriei, unde va fi prezentată harta eficienței energetice creată de către INCDDD în urma georeferențierii informațiilor privind performanța energetică a clădirilor și păstrarea hărții pe website atât pe durata implementării proiectului, cât și după încheierea acestuia;
- asigurarea participării la trainingurile organizate în proiect a personalului relevant din cadrul Serviciului Urbanism și a personalului care organizează achizițiile publice pentru atribuirea contractelor de servicii și lucrări de proiectare/execuție;
- participarea la întâlnirile cu partenerii din țară și din străinătate;
- organizarea unei sesiuni de informare/consultare cu publicul și a unui workshop pentru diseminarea practicilor sustenabile în utilizarea energiei în clădiri (în cooperare cu toți partenerii);
- întocmirea rapoartelor de progres pentru activitățile implementate.

Valoarea totală a proiectului este de 916.135 euro din care, contribuția din partea EUKI este de 863.959 euro (94% din bugetul total al proiectului), iar contribuția proprie a parteneriatului este de 52.176 euro (6% din bugetul total al proiectului).

În vederea implementării activităților din proiect, pentru Municipiul Tulcea s-a alocat un buget de 40.896 euro, din care:

- 38.896 euro reprezintă grantul acordat din partea EUKI, reprezentând 95% din valoarea totală alocată;
- 2.000 euro reprezintă cofinanțarea proprie din partea Municipiului Tulcea, reprezentând 5% din valoarea totală alocată, echivalent a 10.000 lei, la un curs estimat de 5 lei/euro.

Perioada de desfășurare a proiectului: Noiembrie 2020 – Ianuarie 2023.

Având în vedere cele expuse anterior, supunem spre aprobare participarea Municipiului Tulcea ca partener în cadrul proiectului **"Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta – EDAPHIC-BLOOM DANUBE (Redimensionarea ecologică prin acțiuni și dialoguri urbane și rurale pentru atenuarea emisiilor de gaze cu efect de seră în lunca inundabilă a Dunării de Jos și în Delta Dunării)"** precum și cofinanțarea proprie în cadrul proiectului în valoare de 2.000 euro, echivalent a 10.000 lei, la un curs estimat de 5 lei/euro, reprezentând 5% din valoarea totală alocată Municipiului Tulcea.

Având în vedere dispozițiile art. 20 și art. 44 din Legea nr. 273/2006 privind Finanțele Publice Locale, cu modificările și completările ulterioare coroborate cu dispozițiile art. 87 alin. (5), art. 129 alin. (2) lit. b), alin. (4), lit. a) și d) și alin. (7) lit. i), art. 136 alin. (1), art. 139, alin. (1) și (3), art. 196 alin. (1) lit. a), art. 197 alin. (4) și art. 199 din Ordonanța de Urgență a Guvernului nr. 57/2019 privind Codul Administrativ, s-a elaborat proiectul de hotărâre alăturat pentru a fi înscris pe ordinea de zi a ședinței ordinare a Consiliului Local al Municipiului Tulcea.

DMPFN,
Gabriela MARINOV



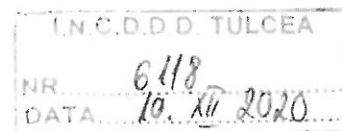
Întocmit,
Măciucă Ștefania





MINISTERUL EDUCAȚIEI ȘI CERCETĂRII
INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE
„DELTA DUNĂRII” – TULCEA

Tulcea - Str. Babadag 165 Cod 820112 tel. (+4 0240) 531520 fax (+4 0240) 533547 e-mail office@ddni.ro web http://www.ddni.ro



Catre:

Primaria Municipiului Tulcea

fax: 0240 - 517.736, e-mail: cabinetprimar@primaria-tulcea.ro

In atentia domnului Primar Ștefan ILIE

Ref. Rezultate evaluare EUKI - propunere de proiect EDAPHIC-BLOOM

Stimate Domnule Primar Ștefan ILIE

În urma colaborării fructuoase între Institutul Național de Cercetare-Dezvoltare “Delta Dunării” în calitate de lider de consorțiu și partenerii de implementare: Primăria Municipiului Tulcea, Ministerul Mediului, Apelor și Pădurilor, Departamentul pentru Dezvoltare Durabilă din cadrul Secretariatului General al Guvernului României, Institutul Național de Cercetare-Dezvoltare în Construcții, Urbanism și Dezvoltare Teritorială Durabilă URBAN-INCERC, București, Institutul Național de Cercetare-Dezvoltare pentru Pedologie, Agrochimie și Protecția Mediului – ICPA București, Universitatea de Științe Aplicate Karlsruhe, Institutul de Tehnologie Karlsruhe (KIT) și Steinbeis Innovation Center, propunerea de proiect **Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta (EDAPHIC-BLOOM DANUBE)** a fost evaluată pozitiv în etapa finală de selecție a proiectelor propuse pentru finanțare în cadrul programului EUKI (European Climate Initiative).

Astfel, proiectul **EDAPHIC-BLOOM DANUBE** a fost selectat pentru finanțare, conform cererii de finanțare depuse, iar în data de 25.11.2020, s-a semnat contractul de finanțare între finanțator (GIZ) și liderul proiectului (INCDDD).

Urmează ca INCDDD să semneze contractul de parteneriat pentru implementarea proiectului cu toți partenerii, păstrând aceleași specificații și anexe din contractul de finanțare.

În urma implementării proiectului, Primăria Tulcea va beneficia instruirea personalului relevant privind eficiența energetică a mediului construit, de participarea la evenimentul de schimb de cunoștințe și bune practici organizat în Germania, precum și de auditarea energetică a 10 clădiri publice și crearea unei hărți interactive a eficienței energetice, integrată într-o platformă online accesibilă tuturor cetățenilor.





MINISTERUL EDUCAȚIEI ȘI CERCETĂRII
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Tulcea - Str. Babadag 165 Cod 820112 tel. (+4 0240) 531520 fax (+4 0240) 533547 e-mail office@ddni.ro web http://www.ddni.ro

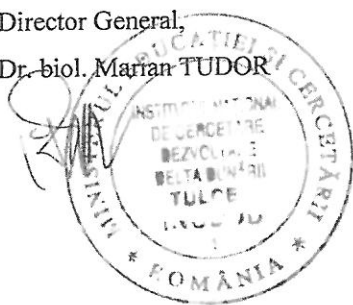
Vă transmitem anexat prezentei cererea de finanțare a proiectului, bugetul proiectului și un rezumat în limba română a principalelor activități din proiect.

Vă mulțumim pentru colaborare,

Cu deosebit respect,

Director General,

Dr. biol. Marian TUDOR



Coordonator proiect EDAPHIC-BLOOM,

Dr. Ing. Iulian NICHERSU

European Climate Initiative (“EUKI”) 2020

Project proposal

Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplains & Danube Delta (EDAPHIC-BLOOM DANUBE)

submitted by

Danube Delta National Institute for Research and Development (DDNI)

Please enclose the following attachments:

<input checked="" type="checkbox"/>	Annex 1: Timeline/Gantt chart on the project schedule (see template)
<input checked="" type="checkbox"/>	Annex 2: Schedule of Estimated Expenditures (see template)
<input checked="" type="checkbox"/>	Annex 3: Letter of support/demonstration of interest on the part of the partner government or, if applicable, another suitable body in the target country
<input type="checkbox"/>	Annex 4: Written confirmation (incl. amount of co-financing) from each further third-party donor
<input checked="" type="checkbox"/>	Annex 5: Order form for registration of a creditor (see template)
<input checked="" type="checkbox"/>	<p>Annex 6: Proof of legal form/non-profit status of the institution/organization <i>To be handed in by the implementer as well as implementing partners! All documents should be submitted in the original language and a translation into English/German</i></p> <ul style="list-style-type: none"> - <u>Proof of legal form of the institution/organisation:</u> Evidence of legal form and registration in accordance with the legal provisions that apply in the country in which the institution/organisation is based. Please attach extracts from the appropriate register / formation documents showing the location of the institution/organisation's registered office and the year of formation (if not shown in the register entry) / Tax number or other forms of substantiating documentation generally required in the country as well as your statute and a translation of the relevant sections. - <u>Proof of non-profit status:</u> <i>in the case of German recipients:</i> (Provisional) certificate of exemption or Annex to the corporation tax assessment of the tax office (section 5 (1) no. 9 of the German Corporation Tax Act (= assessment for 'corporations, associations of persons and bodies of assets which, under their statutes, act of foundation or other constitution and under their de facto management, pursue exclusively and directly charitable, benevolent or other religious objects') <i>in the case of non-German recipients:</i> Articles of association and register entry or comparable documents in German/English or French as evidence of the use of the funds to achieve the tax-privileged purposes of the foreign corporation, i.e. an activity that would have tax-privileged status if it were performed in Germany. According to Section 52 (2) of the German Fiscal Code, tax privileges are granted for the 'advancement of upbringing, adult education and vocational training' (no. 7); the 'advancement of nature conservation and environmental protection (no. 8); the 'advancement of development cooperation' (no. 15) and the 'advancement of equal rights for women and men' (no. 18).
<input checked="" type="checkbox"/>	<p>Annex 7: Audited annual financial statements for the past three years <u>or</u> annual financial statements and a declaration about that your annual financial statements are not relevant for auditing purposes under national law <i>Please only submit for the implementer! All documents should be submitted in the original language and a translation into English/German</i></p>
<input checked="" type="checkbox"/>	<p>Annex 8: Audit report(s) by external auditing bodies (external audits) <i>Please only submit for the implementer! All documents should be submitted in the original language and a translation into English/German</i></p>
<input checked="" type="checkbox"/>	Annex 9: Internal audit reports for the past three years (if available) and internal control/ accounting guidelines

1 Project master data			
1.1 Project	Project number (if given to you)	20_074	
	Project title	Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta	
	Country/countries of implementation	Romania	
	Project duration	01.11.2020 - 31.01.2023	
	Sector	Agriculture, soils and forestry Energy	
1.2 Implementer	Name	Danube Delta National Institute for Research and Development (DDNI)	
		Danube Delta Technological Information Center	
	Department	Technology Development, Transfer and Spatial Planning	
	Street, No.	165 Babadag Street	
	Postal Code, town/city	820112, Tulcea	
	Country	Romania	
	Contact Persons	Dr. Eng. Iulian Nichersu	
	Telephone	Arch. Madalina Sbarcea	
	Telefax	+40240531520; +40756810712	
	Email	iulian.nichersu@ddni.ro	
		madalina.sbarcea@ddni.ro	
	Website	www.ddni.ro	
	Institution	Academic/Research Institution	
	Legal structure	Legal entity of its own	
	Deduction of input tax according to § 15 UStG (if registered in Germany)	Not Applicable	
	Total staff	104	
	Staff for the project	22	
	Year established	1970	
	Experience in the target region [years]	50	
	Experience in activities relevant to the project [years]	36	
<u>Role/function of the implementer in the project proposed</u>	Leader – Coordination of all project activities Scientific research and technical input in all project deliverables Dissemination and communication activities		
1.3 Implementing partner			

	<p>Experience in the target region 30 [years]</p> <p>Experience in activities relevant to the project 25 [years]</p>	
3 rd Implementing partner	<p>Name Primăria Municipiului Tulcea / Tulcea Municipality</p> <p>Department Infrastructure and Environment Project Management Service</p> <p>Additional address</p> <p>Street No. Păcii, 20</p> <p>Postal code, town/city 820033, Tulcea</p> <p>Country România</p> <p>Institution Public Administration</p> <p>Website www.primariatulcea.ro</p> <p>Legal structure Legal entity of its own</p> <p>Gabriela Marinov</p> <p>Contact person Filip Raicu</p> <p>Telephone number +40744376943; +40755851977</p> <p>Email address proiecte@primaria-tulcea.ro</p> <p>Total staff 320</p> <p>Staff for the project 20</p> <p>Year established 1993</p> <p>Revenue [EUR/year] 2019: 34,921,551 EUR</p> <p>Experience in the target region 52 [years]</p> <p>Experience in activities relevant to the project 5 [years]</p>	
4 th Implementing partner	<p>Name University of Applied Sciences, Karlsruhe</p> <p>Department Center of Applied Research (CAR)/Geo Information Management</p> <p>Additional address</p> <p>Street No. Moltkestr. 30</p> <p>Postal code, town/city 76133 Karlsruhe</p> <p>Country Germany</p> <p>Institution University</p> <p>Website www.hs-karlsruhe.de</p> <p>Legal structure Public University</p> <p>Contact person Prof. Dr. Detlef Günther-Diringer</p> <p>Telephone number +49 721 9252922</p> <p>Email address detlef.guenther-diringer@hs-karlsruhe.de</p> <p>Total staff 200</p> <p>Staff for the project 2</p> <p>Year established 1878</p>	Karlsruhe

	Experience in the target region [years]	22
	Experience in activities relevant to the project [years]	22
7 th Implementing partner	Name Department Additional address Street No. Postal code, town/city Country Institution Website Legal structure Contact person Telephone number Email address Total staff Staff for the project Year established Revenue [EUR/year] Experience in the target region [years]: Experience in activities relevant to the project [years]	National Institute for Research and Development in Construction, Urban Planning and Sustainable Spatial Development "URBAN-INCERC" INCERC Laboratory for Applied Research and Testing in Constructions 266 Pantelimon Sos. 021652 Bucharest Romania Academic/Research Institution www.incd.ro Legal entity of its own Dr. Eng. Horia Petran +40212550835 hp@incd.ro 131 15 2009 2019: 2,768,488 EUR 20 18
8 th Implementing partner	Name Department Additional address Street No. Postal code, town/city Country Institution Website Legal structure Contact person Telephone number Email address Total staff	Steinbeis Innovation gGmbH Steinbeis-Innovations zentrum / Steinbeis-Donau-Zentrum Willi-Bleicher-Str. 19 70174 Stuttgart Germany Non-profit enterprise www.steinbeis.de Legal entity of its own Juergen Raizner +491703314333 raizner@danube-center.com 453

4. Hochschule Karlsruhe / University of Applied Sciences, Karlsruhe
 - Capabilities and experiences relevant to the project
Project experience in the Danube Region since 1998 as well as more than 30 years experience in GIS-applications
 - Function/role in the project proposed
Set up and installation of a Web-based Geo Information System for all relevant spatial data of the project partners.
5. Karlsruher Institut für Technologie (Karlsruhe Institute of Technology - KIT)
 - Capabilities and experiences relevant to the project
Experience in mapping and quantifying biomass
 - Function/role in the project proposed
Mapping and quantifying biomass and net primary productivity of higher plants in their contribution to organic soil carbon
6. Institutul Național de Cercetare-Dezvoltare pentru Pedologie, Agrochimie și Protecția Mediului – ICPA București (National Research and Development Institute for Soil Science, Agrochemistry and Environment - ICPA Bucharest)
 - Capabilities and experiences relevant to the project
ICPA Bucharest is a modern institute, with several facilities and an updated research infrastructure (<https://www.erris.ro>). For the project purpose, ICPA will use the Erris infrastructure "Digital soil mapping (GIS) - Laboratory for soil sciences and rural development.
ICPA has relevant experience in soil survey and mapping on wetlands especially in the Danube Delta. ICPA has conducted a challenging soil survey of the Danube Delta for more than 15 years (1980-1996). The soils of the delta were surveyed on a scale of 1:50,000. Soil survey and database entry and interpretation resulted in a soil map on a scale of 1:100.000 and a scientific report (Munteanu, 1996)
 - Function/role in the project proposed
ICPA has the role of building knowledge on climate change impact on soil carbon sequestration in the Lower Danube Plains and Danube Delta. Also takes part in capacity building to improve local assessment of GHG emissions from organic soils.
7. Institutul National de Cercetare-Dezvoltare in Constructii Urbanism si Dezvoltare Teritoriala Durabila / National Institute for Research and Development in Construction, Urban Planning and Sustainable Spatial Development "URBAN-INCERC"
 - Capabilities and experiences relevant to the project
URBAN-INCERC has experience in research and development activities in the fields of construction, urbanism, sustainable territorial development and housing. Their studies are related to fundamental and applied research, elaboration of technical and economic regulations in order to ensure the essential quality requirements imposed on constructions and related installations with emphasis on increasing the energy performance of buildings, elaboration of studies for substantiating national strategies, policies, programs and regulations in the field of territorial and urban development. URBAN-INCERC will apply the experience gained during the implementation phase of ENERFUND Project, where the final product was an online tool based on a set of parameters such as Energy Performance Certificates (EPCs), number of certified installers, governmental schemes running, etc., which rates and scores deep renovation opportunities for the built environment.
Another important role in the project will be to organize the training courses that will include the curricula developed under the European BUILD UP Skills Initiative and will make use of the Building Knowledge Hubs created in "Train-to-NZEB".
 - Function/role in the project proposed

	<p>Does the software-based accounting system meet the national standard in the country you are registered in? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Do you have dedicated accounting staff? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>In what function and qualification/degree? Yes Years of experience? Economic Director - 29 years experience Economist IA – 24 years experience Economist IA – 24 years experience Economist IA – 8 years experience</p> <p>Do you have an electronic or manual time recording system where hours worked can be assigned to different projects?</p> <p><input type="checkbox"/> electronic <input checked="" type="checkbox"/> manual <input type="checkbox"/> will be implemented</p> <p><i>An electronic or manual time recording system is necessary. If no traceable time recording exists, the recipient must submit with this project proposal a self-declaration in which they commit to creating one for the project (Annex 12).</i></p>
<p>2.2 Revenue and financial statements</p>	<p>Financial revenue in the last three years:</p> <p>Year : 2019 revenue: 3,394,844 EUR Year : 2018 revenue: 3,292,063 EUR Year : 2017 revenue: 2,226,415 EUR</p> <p>Average revenue: 2,971,107 EUR</p> <p>Please submit your audited annual financial statements for the last three years (Annex 7) and note that the revenues entered above must be traceable to these documents.</p> <p><i>Important note:</i> If your annual financial statements are subject to an external audit according to your national standards, the audited financial statements, including the audit certificate, must be submitted and attached to the documents above. If not, please attach the annual financial statements and a declaration that your financial statements are not subject to auditing as well as the legal basis.</p>
<p>2.3 Internal control and internal audit reports</p>	<p>Please submit your internal control/accounting guidelines (English translation of the relevant sections) and internal audit reports for the past three years (Annex 9) or if not available, previous ones.</p> <p><input checked="" type="checkbox"/> Yes, it is available</p> <p><input type="checkbox"/> No, it is not available. We declare to establish and implement internal control mechanisms incl. corruption prevention before the start of the project, considering the following criteria (a-d):</p> <p><i>We regard the following principles as important parts of an internal control system:</i></p> <p>a) <i>The principle of transparency: For processes, process-concepts (or process plan) must be established that enable an outsider to assess the extent to which participants work in conformity with this process-concept. At the same time, the process-concept represents the expectations of higher management.</i></p> <p>b) <i>The principle of four eyes: This principle states that in a well-functioning control system no essential process should remain without (counter) control.</i></p> <p>c) <i>The principle of functional separation: This principle states that executive tasks (e.g. processing purchases), booking tasks (e.g. financial accounting, stock records)</i></p>

	<p>We hereby confirm compliance with the environmental and social standards described above:</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
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3 Brief description	
3.1	<p>Structured brief description</p> <p>EDAPHIC-BLOOM DANUBE aims to boost capacities for GHG mitigation in the target region, through organic soils conservation/restoration and enhancing energy efficiency in the built environment sector.</p> <p>The emissions from organic soils are among the largest GHG sources from the agriculture and LULUCF sector and yet these areas of land in the Lower Danube Floodplain and Danube Delta are increasingly reduced with repercussions on the Carbon balance and climate change. As a consequence, the consortium aims to create an updated (reambulated) map of organic soil types in the area and to subsequently investigate biomass and plant productivity in their contribution to organic soil formation and carbon sequestration. As a result, a Master Plan for GHG reduction in the Lower Danube Floodplain and Danube Delta will be developed, with realistic land use scenarios for restoration of organic soils in the area. Through an effective dissemination plan that will integrate organizing researches and stakeholders meetings, workshops and training, this Master Plan will be communicated to the authorities to support the decision related to the rehabilitation of the degraded lands and improve coordination on organic soils reporting bodies in Romania.</p> <p>EDAPHIC Danube initiates a consortium of relevant partners from Romania and Germany (authorities, universities, national institutions for research & development, NGO-s) with the following goals:</p> <ul style="list-style-type: none"> • Capacity building to improve national GHG reporting on organic soils, • Assessing the climate change impact on carbon sequestration in terrestrial vegetation and soils in the Lower Danube Plains & Danube Delta, • Development of the Master Plan (MP), a Guide to good practices for reducing the GHG emissions in the mentioned area and a Guide for analysis of GHG emissions from organic soils and decision making, • Setting up a Cluster for Sustainable Development of the Lower Danube Plain and Danube Delta (involving Romanian central and local authorities, universities and research institutes from Romania and Germany, SME-s and NGO-s), • Dissemination of Master plan & Guide to good practices to the stakeholders for an efficient dialogue, exchange of good practices, awareness raising and knowledge transfer between cluster members. <p>The BLOOM component aims to enhance energy efficiency in the built environment sector in Dobrudja region, Romania and support municipalities align with EU energy directives, by increasing capacities of public officers and built environment professionals to design /evaluate /tender /build in a sustainable way; by preparing a platform that will widen the access to energy information and support the development of future retrofit projects and by raising public awareness and influencing energy practices and behaviours.</p> <p>BLOOM brings an overview of the status quo and assesses potential for renovation, as an important phase of a future deep retrofitting action plan at municipal level. Practitioners and evaluators in the constructions field will be trained in buildings sustainability focusing on energy efficiency in accordance with the international PassivHaus and EnerPHit standards developed in Germany and the civil society will be empowered for action and behaviour change towards energy savings.</p>

4 Problem analysis	
<p>If several target countries are involved in projects, please list the information in the following categories separately for the different target countries.</p>	

established a consortium to the purpose of monitoring and reporting on the GHG emissions and removals from LULUCF sector, defining hereby the role and contribution of each authority, institution or research institute to this task. *Inter alia*, the Ministry of Environment, Waters and Forests and ICPA, which are partners in this project, are also part of the GD 590/2019 consortium, the Ministry having the Beneficiary role, whereas ICPA being entrusted to assess and report the GHG emissions and CO₂ sequestration for organic and mineral soils, i.e. for Cropland and Grassland areas excepting the forested, deforested and afforested land.

The Ministry of Agriculture is implementing a project regarding the soil Carbon sequestration according to 4% Paris initiative. In previous national projects, ICPA developed Guides of Good Practices for Climate Change Mitigation.

In the long term, a complete halt to the drainage of peatlands is required if we are to achieve the main objective of the Paris Agreement - zero emissions by 2050. The EU and all its member states have unanimously affirmed this objective.

These problems can be solved largely by reinstatement. However, renaturation makes conventional land use impossible. If we want to continue the use of productive land on rehabbed peatlands, a paradigm shift involving new concepts, cultures and techniques, as well as adjustments to the current framework of agricultural policy is required (Hanganu J., 2019).

The funds necessary to update (reambulate) the organic soils types map, produce the necessary recommendations to improve the political, legislative and technical framework related to monitoring and reporting GHG emissions and removals from a more sustainable and climate-responsible land use management in the Lower Danube Plains and Danube Delta, and to increase the local communities ability to adapt and become more resilient to climate change, that will be covered through EUKI financing mechanism, will ensure that the technical means and the necessary expertise of the partners is properly employed so as to develop the specific project activities and produce a long-lasting result, that will tackle the GHG emissions in the project area, will enhance the GHG removals, and will increase the adaptation ability to the climate change impacts at local and regional level.

According to the study findings, the project should have significant replicative potential, given the European characteristics of the Danube, the 2nd largest river of Europe, connecting 10 states, having tributaries from other 7 states and flowing into the Black Sea through the Danube Delta Biosphere Reservation and Ramsar site.

In the last 30 years, we have started to protect the environment by creating a Green Danube Corridor (1990s). By combining with the purposes of implementing the Flood Risk Management Framework Directive, we have created a synergistic model between the Green Corridor and the Danube FloodRisk projects.

At this time we will develop the synergy between this model and GHG reduction by protecting the organic soils in this very valuable area in the conditions of dramatic climate change. Under the Paris Agreement, many countries have agreed to set a target to reduce greenhouse gas emissions sufficiently to keep the average global temperature rise below 2°C above pre-industrial levels. Keeping global temperatures above 2°C requires limiting greenhouse gas concentrations in the Earth's atmosphere to about 450 ppm of CO₂ equivalent emissions. The time left to complete this change is very short. A massive effort to decarbonize is absolutely necessary over the next three decades. Forecasts show that in order to achieve reductions under the proposed 2°C target, CO₂ emissions from the electricity sectors of OECD countries, for example, should be reduced by 90% by the middle of the century.

By protecting organic soils whether they are in an undisturbed or man-made natural environment - these are the subject of negotiation for rehabilitate them in order to respond to this Carbon sequestration function.

As an example, the scenarios elaborated within the Master Plan will propose solutions for sustainable management of these situations. They will estimate the development of lands with organic soils and the benefits produced through the prism of two scenarios: one with intensive agriculture and the other will show that through the sustainable capitalization of these lands with organic soils will obtain more long-term benefits.

The owners and administrators of these lands will thus have a scientific tool that will help them to choose correctly the variant of their sustainable capitalization.

	<p>One of the targets of RSDS 2030 is to intensify the efforts, to identify and integrate measures concerning adapting to climate change in vulnerable economic, social, and environmental sectors, in keeping with EU policies.</p> <p>Romania set itself to improve the conservation status of peatland through the national strategy on climate change (2020). Measures were set to reduce soil carbon loss and improve its absorption capacity: maintaining soil organic matter, esp. in carbon-rich soils from peatland; restoration were possible and transition to paludiculture as an alternative to land drainage.</p> <p>The results of the project will be proposed to be integrated into the development of the country climate policies, as part of the climate change adaptation and GHG emissions mitigation strategies being currently under development, or, where the case may be, during their implementation and monitoring of the implementation phases.</p> <p>Should the local authorities take this decision or under the development of new circumstances, such as the implementation of the European Green Deal, the results of the project also serve to the development of local climate action strategies, and as a replicable example / reference to regions with similar characteristics. National long-term renovation strategies are a requirement of the Energy Performance of Buildings Directive for member states. LTRS go hand-in-hand with local building renovation initiatives, and both are essential to accelerating the transition towards climate targets. Romanian Law 372/2005 Regarding Energy Efficiency of Buildings transposes the provisions of EPBD; it aims to increase the energy performance by designing nearly zero energy buildings; retrofitting existing buildings; informing the managers of buildings through energy audits as actions of general public interest. Assessment of Romanian strategies shows that improvements are needed to meet the requirements. Capacities and knowledge of public administrations and built environment practitioners as well as behaviour of final buildings users are paramount.</p> <p>EDAPHIC-BLOOM supports capacity building and bottom-up initiatives that can feed into local/regional or national policies and assists municipalities in aligning with climate targets.</p>
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5 Project concept

Please comply with the instructions in the document 'Guidelines on results-based project planning and monitoring in the European Climate Initiative (EUKI)', particularly with regard to drawing up project-specific indicators. Ensure that this is consistent with the bar chart on the steps of the project (Annex 2).
If several countries are involved in projects, please choose a suitable method of presenting the information to allow a distinction to be made between the different countries.

5.1 Target group	<p>Taking in account the land segregation in the proposed study area, the main target group will consist of central and local authorities, private land owners, small and medium business developers (SMEs) which carry activities with direct impact on the carbon rich soil lands, research institutes and universities, NGOs.</p> <p>Decision makers at regional and national level (Ministry of Environment, Waters and Forests of Romania, also Department for Sustainable Development of the Government of Romania) are to be involved as they represent important actors in the climate change mitigation.</p> <p>At rural level (EDAPHIC component), efforts to protect the natural environment in the area of the Danube Floodplain and the Danube Delta began in the 1990s with the declaration of the Danube Delta Biosphere Reserve (DDBR) within the Green Danube Corridor project. By affecting the activities and residential areas in this area due to climate change, it was necessary to make hazard and risk maps in the 2000s and economic and ecological resizing.</p> <p>At this moment, we consider necessary the synergy of the Green Corridor and Danube FloodRisk programs with GHG reduction through the protection of organic soils. This approach will be achieved through cooperation between stakeholders and possibly the extension of the DDBR throughout this area in order to be managed at an integrated level.</p> <p>The Danube Delta Biosphere Reserve Authority (DDBRA) will be involved, being subordinated to the Ministry of Environment, Waters and Forests, which is a partner in the project.</p>
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	the process in which optimal energy savings lead to financial, health and comfort benefits for all.
5.3 Results logic and capacity development	<p>EDAPHIC component:</p> <p>The scope of the project is mitigating climate change through the conservation of organic soils in the Lower Danube Plain and Danube Delta.</p> <p>The main outcome of the project is to elaborate the Master Plan for reducing the GHG emissions with relevant and realistic land use scenarios.</p> <p>All the dialogues and actions that represent the dissemination plan will lead to conservation and rehabilitation of organic soils fields and land use change if appropriate. This purpose of the project will in turn lead to mitigation of GHG and will contribute to limit global warming.</p> <p>Lower Danube Floodplain and Danube Delta is just a small part of Romania with so much potential in carbon sequestration and this project is just a be-ginning which will be replicated in time to other areas of the country and also will lead as an example for other state members.</p> <p>BLOOM component:</p> <p>In order to generate best results, BLOOM operates on different levels of society and builds on knowledge and capacities of all partners to ignite systemic change for built environment sustainability – change that encompasses not just the technical and material, but regulation, governance structures, values and mindsets.</p> <p>BLOOM supports capacity development at public administration level, by offering the necessary tools for municipalities to further develop energy efficiency projects and action plans.</p> <p>The Energy Efficiency Map will support integrated action based on the status quo and at least 3 project outlines will be structured for future applications for the Energy Efficiency Priority Axis of the Regional Operational Programme of Romania. The map will also support informed decision making in the real estate sector and motivate building owners to act for improving their efficiency according to the provided guidance. Capacity development will also reflect in new policies comprising incentives for private investors to develop energy efficient buildings, certified according to internationally recognized standards.</p> <p>By training at least 50 built environment professionals and public officers, BLOOM increases the capacity to deliver nZEBs in the target area - a capable workforce towards transformational change. This will contribute to the quality and the scale of deep energy building renovations.</p>

The sustainability of the project is based on the involvement of the environmental authorities in the development of the Master Plan and its subsequent implementation.

Inertia is possible from some private stakeholders in applying the provisions of the Master Plan, but this potential obstacle can be overcome by the scenarios that will reveal the benefits through the conservation / rehabilitation of organic soils and, where appropriate, by changing the land uses.

The EDAPHIC component has as outcome to mitigate climate change by decreasing the GHG emissions through organic soils conservation / restoration in the Lower Danube Floodplain and Danube Delta area. The EDAPHIC component aims to highlight the role of organic soils in GHG reduction, to assess organic soils quality and cumulative impact balance, and to support a Master Plan as a useful tool to develop relevant & realistic land use scenarios for conservation / restoration of organic soils in the Lower Danube Plains.

One of the most important outputs proposed towards achieving this goal is Output II: Revealing the GHG balance in soil and vegetation through the development of a C-sequestration model and Work package II (WP II): Assessing the climate change impact on carbon sequestration in soils and terrestrial vegetation in the Lower Danube Floodplain & Danube Delta.

The activities of this WP refer mainly on cultivated organic soils, by refining the existing soil maps where will be necessary, by harmonizing different soil and land use geo-referenced datasets, by assessing soil respiration as an indicator for carbon emissions from organic soils and comparing sequestered organic carbon under different agricultural land-uses versus wetlands.

The project doesn't propose to develop a new soil map for the entire studied area, but to update (reambulate - reambulierung) the organic soil areas. The existing soil maps and studies (some of them more recent than 30 years) will be refined through the field trips (ICPA & DDNI).

As a result of these field trips in the relevant areas, a number of cases of organic soils will be differentiated. These cases will be the basis for establishing the carbon emission / sequestration balance and for the conservation / rehabilitation scenarios of these organic soils.

The resulting layer will be completed and overlaid with the other 2 layers: mapping and quantifying biomass and net primary productivity of higher plants in their contribution to organic soil carbon (KIT) and set up and installation of a Web-based Geo Information System for all relevant spatial data of the project partners (Univ. Karlsruhe).

There is the Digital Terrain Model, developed with the LIDAR method for the entire study area, respectively the Danube floodplain and the Danube Delta. The model was created by DDNI Tulcea (leader of the consortium) for the developing of the ecological and economic resizing project of the area. This model also served as the basis for hydraulic modeling in order to protect against floods, respectively **Danube FloodRisk** (https://ddni.ro/wps/ro/project/danube-floodrisk_ro/) in which hazard and risk maps were developed.

Obviously, in order to develop rewetting measures, a flood map is needed, and we have this possibility to correlate soil maps with flood maps.

A very important component is the *socio-anthropological study* that we carry out in parallel with the field research of soil and biodiversity specialists. The socio-anthropological survey starts from the identification of the stakeholders and their role in the protection of organic soils. Also, interviews with local inhabitants and focus groups will complete this socio-anthropological picture. A *Cumulative Impact Balance* analysis will be performed based on these investigations in order to create a *Causal Loop Diagram* chart. The meetings that will be organized at local level will disseminate the need and importance of protecting organic soils in reducing GHG.

By including two government bodies in the consortium (Ministry of Environment and Department of Sustainable Development of the Romanian Government), and developing the *Sustainable Development Cluster of the Danube Floodplains and Danube Delta*, we will build a bridge between the three categories involved: research - citizen/private entities/NGOs - authorities.

Means of verification:

Minute of the kick-off meeting where Management structure (Steering Committee & Scientific Board) is set up based on partner's representatives.

Indicator I.2:

Organizing monthly teleconferences (internal meetings) for efficient management
No. of teleconferences in the implementation period

Unit: Tele- confer- ences	Baseline (start of project) 0	Target value and planned date of attainment 25; (by the end of the project)
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Means of verification:

Minutes of the teleconferences, which will be part of the quarterly reports to EUKI

Indicator I.3:

Actions of Edaphic-Bloom Management Plan [research protocol (1), organizational calendar (2), strategy for integrating BLOOM and EDAPHIC activities (3), ethical research – GDPR, research authorization permits (4), audit plan (5).]

Actions	Baseline (start of project) 0	Target value and planned date of attainment 5; (by the end of the project)
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Means of verification:

These deliverables will be part of the reports to EUKI.

Activities corresponding to output I:

Work package (WP I): Project management: organization, coordination and financial management

Activity (A I.1)

A I.1 Creating management structure: Steering Committee, Scientific Board

Activity (A I.2)

A I.2 Organizing and preparing monthly teleconferences (internal meetings)

Activity (A I.3)

A I.3 Internal & external audit of the project

Activity (A I.4)

A I.4 Actions of Edaphic-Bloom Management Plan & Reports to EUKI (quarterly, half-yearly, annually, final)

Output II: Revealing the GHG balance in soil and vegetation through the development of a C-sequestration model

Indicator II.1:

1 Soil respiration dataset

Unit: dataset	Baseline (start of project) 0	Target value and planned date of attainment 1; (3 rd quarter, 2022)
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Milestone 3 Updated map of cultivated organic soil
Milestone 4 Geo-database draft
Milestone 5 Geo-database final

Activity A II.3

A II.3 Assessing soil respiration as an indicator for carbon emissions from organic soils

Activity A II.4

A II.4 Assessment of sequestered organic carbon under different agricultural land-uses versus wetlands

Milestone 1 Microbiological soil dataset (draft)

Milestone 2 Microbiological soil dataset (final)

Milestone 3 Soil organic carbon dataset (draft)

Milestone 4 Soil organic carbon dataset (final)

Activity A II.5

A II.5 Geo Information Management: processing and web-based dissemination

Activity A II.6

A II.6 Mapping and quantifying biomass and net primary productivity of higher plants in their contribution to organic soil carbon & predicting C-sequestration and C-stocks in the vegetation of the Danube Delta in times of climate change

II.6.1 Review of literature

II.6.2 Vegetation classification through remote sensing

II.6.3 Ground truthing and field inventories

Milestone 1 Vegetation map produced

Milestone 2 Field inventories established

II.6.4 Field inventories (vegetation plots)

II.6.5 Upscaling of biomass and C-stocks to the Danube Delta

Milestone 1 Biomass and C-stocks in vegetation plots determined

Milestone 2 Biomass and C-stocks in the Danube Delta estimated

II.6.6 Field work (dendrochronology in vegetation plots)

II.6.7 Analyses (dendrochronology)

II.6.8 Upscaling of Net Primary Productivity to the Danube Delta

Milestone 1 Growth models of dominant tree species constructed

Milestone 2 Net Primary Productivity of the Danube Delta estimated

Activity II.7

A II.7 Geodata research

Activity II.8

A II.8 Survey among project partners

Activity II.9

A II.9 Draft of the technical structure

Milestone Concept of the future GI-System

Activity A II.10

A II.10 Local setup of the GI-System

Activity A II.11

A II.11 Integration of available Geodata

Activity A II.12

A II.12 Development of interfaces for individual data integration of project partners

Milestone 1 Setup of the GI-System

Milestone 2 Interface for data integration of project partners

Activity A II.13

A II.13 Dissemination of System interfaces to all project partners

	Unit Recommendation set	Baseline (start of project) 0	Target value and planned date of attainment 1; (4 th quarter, 2022)
	Means of verification: Recommendations will be a deliverable of the WP IV and available on the Web Platform of the project.		
	Indicator IV.3: No. of roundtables of discussions on the recommendations		
	Unit roundtable (meetings)	Baseline (start of project) 0	Target value and planned date of attainment 4; (4 th quarter, 2022)
	Means of verification: Lists of participant; Photo documentation		
Work package (WP IV): Environmental regulations, strategies, policies & Guide to good practices for reducing the GHG emissions in the Lower Danube Plain & Danube Delta			
Activity IV.1 A IV.1 Develop a Guide to good practices in the studied area			
Activity IV.2 A IV.2 Developing synergies between public policies and Master Plan			
Activity IV.3 A IV.3 Recommendations for improving regulations, incentives, environmental policies and strategies			
Activity IV.4 A IV.4 Roundtables and discussions on the proposals of regulations, proposal of incentives, environmental policies and strategies IV.4.1 Recommendations to improve the existing relevant legislative and policy framework - based on the previous work packages results, a set of recommendations will be produced, in order to: (a) integrate and consolidate the capacity of organic soils to CO ₂ sequestration; (b) contribute to the update of Climate Change National Strategy / Long-term Strategy on Climate Action and its Action Plan for 2021-2030 and onwards for the corresponding LULUCF subdomain, and the implementation of European Green Deal in Romania, taking into due consideration its specificities; (c) contribute to the improvement of the financial framework to support and incentivize the conversion and change of practices that provide for an increased CO ₂ sequestration into the soils IV.4.2 Facilitation of discussions, dissemination and consultations on the basis of the recommendations, using the following formats: - agenda point for information / discussion - National Commission on Climate Change meeting, taking into consideration its replicability potential; - agenda point for information/ discussion - Department of Sustainable Development meeting, taking into consideration its replicability potential; - agenda point for discussion in the consortium established by the GD 590/2019 on the institutional framework for LULUCF management			
Output V: Master Plan for reducing the GHG emissions in the Lower Danube Floodplain & Danube Delta			

Constitutive act including information on founding members; Memorandum of Understanding signed by legal representatives of cluster members;

Indicator VI.3:

No. of sustainable businesses in the area as members of SDC (Cluster Capacity Building)

Unit Sustainable Businesses	Baseline (start of project) 0	Target value and planned date of attainment 10, (4 th quarter, 2022)
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Means of verification:

Constitutive act including information on founding members; Memorandum of Understanding signed by legal representatives of cluster members;

Indicator VI.4:

No. of empowered local communities by the SDC to the purpose of increasing their resilience to climate change effects / impacts

Unit people attending SDC trainings	Baseline (start of project) 0	Target value and planned date of attainment 20 people attending 2 trainings, (4 th quarter, 2022)
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Means of verification:

Lists of participants; Photos from the trainings;

Work package (WP VI): Setting up a Sustainable Development Cluster of the Lower Danube Floodplain and Danube Delta

Activity VI.1

A VI.1 Organizing meetings for discussion with stakeholders

Activity VI.2

A VI.2 Elaboration the constitutive SDC legal documents

Activity VI.3

A VI.3 Training and capacity building activities for the SDC members to strengthen their abilities / knowledge to develop and promote mitigation and adaptation to climate change-related activities: businesses, practices, awareness, education, research and innovation

Activity VI.4

A VI.4 Facilitate access to financing opportunities for the climate actions (mitigation, adaptation and awareness / education activities)

Activity VI.5

A VI.5 Promotion of the role and importance of the Cluster for Climate Action in the decision-making at local and regional level, including by supporting local / regional authorities to implement climate actions or climate projects

Output VII: Increased competence of the public administration bodies, with expected future impacts in projects development, green public procurement and energy policy making and increased capacities of all stakeholders for evidence-based decision making in the built environment sector

Partners' contribution: Both DDNI and URBAN-INCERC gather data to populate the GIS database, DDNI is responsible for the 10 new energy audits with input from Tulcea Municipality and with support of external certified auditors, and

Milestones

M VII.1 Completed GIS Database, by 31.03.2021

M VII.2 WebGIS Energy Efficiency Map, Beta version, by 31.12.2021

M VII.3 WebGIS Energy Efficiency Map, Final version, by 30.06.2022

Output VIII:

Local and Regional policy makers empowered to take action for sustainable energy transitions

Indicators for output VIII:

Indicator VIII.1:

1 Action Plan for enhanced Energy Efficiency presented and made available to decision makers and regional stakeholders (including status quo assessment, Recommendations Report and 3 project outlines)

Unit Action Plan document	Baseline (start of project) 0	Target value and planned date of attainment 1; (3 rd quarter of 2022)
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Means of verification:

Minutes of delivery and receipt from local and regional policy makers

Indicator VIII.2:

60 stakeholder representatives participating in project workshops where the Action Plan is presented

Unit Number of stakeholders supported for energy efficiency action	Baseline (start of project) 0	Target value and planned date of attainment 60; (by the end of the project)
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Means of verification:

Attendance sheet from workshops and RSG meetings, Feedback forms on the Action Plan; Photos

Activities corresponding to output VIII:

Work package VIII (WP VIII): Sustainable Energy Transitions (DDNI & URBAN-INCERC)

Activity (A VIII.1)

Collecting an international best practice in energy retrofit inventory and highlighting potential for adaptation in target area

Activity (A VIII.2)

Elaborating a Status Quo and Recommendations Report for improvement of Energy Efficiency in the built environment at municipal/regional level as a base for future plans and strategies

Activity (A VIII.3)

Work package IX (WP IX): Knowledge Transfer and Capacity Building (URBAN-INCERC & STEINBEIS)

Activities of WPX are focused on increasing competence in the practice and evaluation of buildings projects, construction tendering and financing and execution works.

Activity (A IX.1)

Trainings for built environment professionals and public officers with responsibilities in approving projects/plans and in organizing tenders and evaluating offers for construction works.

Two training sessions will be organized in the second half of 2021.

Activity (A IX.2)

Training and examination for Certified Passive House Tradesperson (PHTP), according to the Passiv Haus Standard developed in Germany, with the recognition of Passiv Haus Institute. Minimum 20 professionals in the built environment will attend.

Activity (A IX.3)

Exchange of experience / Learning Interaction Event, organized in Stuttgart with the support of Steinbeis Network. The event will be attended by project partners and by relevant stakeholders in the target region.

URBAN-INCERC and STEINBEIS co-lead WPX Knowledge Transfer and Capacity Building, ensuring the trainings logistics and infrastructure, while Steinbeis Danube Center is responsible for the learning interaction, exchange of experience and project outreach. DDNI and Tulcea Municipality ensure the participation of the target groups to the trainings and learning interaction event.

Milestone

M IX.1 Report on completed trainings and learning interaction event, by 31.12.2021

Output X: Increased awareness of stakeholders on sustainable energy practices and behaviors

Indicators for output X:

Indicator X.1:

15 stakeholders forming the Regional Stakeholder Group of the project

Unit	Baseline (start of project)	Target value and planned date of attainment
No of stakeholders in the Regional Stakeholder Group	0	15; (end of 2020)

Means of verification:

Written confirmation of agreement to be part of the Regional Stakeholder Group and support project activities (Confirmation by email or other formal means of communication)

Indicator X.2:

60 participants in the dedicated energy efficiency workshops/ULLs

Indicator XI.3: No of scientific publications in peer-reviewed journals		
Unit articles published on the project findings	Baseline (start of project) 0	Target value and planned date of attainment 4; (by the end of the project)
Means of verification: Articles available in the respective journals, archived by the implementer		

Indicator XI.4: No. of online WEB platforms		
Unit web platform	Baseline (start of project) 0	Target value and planned date of attainment 1; (4 th quarter, 2022)
Means of verification: Link to online Web platform		

Indicator XI.5: No. of online questionnaires gathering event participants' feedback		
Unit Questionnaires	Baseline (start of project) 0	Target value and planned date of attainment 4; (Jan, 2023)
Means of verification: Available on the Web platform, and in the digital project archive of the imple- menter		

Indicator XI.6: No. of online newsletter issues		
Unit Newsletter issues	Baseline (start of project) 0	Target value and planned date of attainment 6; (Jan, 2023)
Means of verification: Newsletters available on the Web Platform and on implementer's website		

Indicator XI.7: No. of Social Media posts (Facebook, Twitter)		
Unit social media posts	Baseline (start of project) 0	Target value and planned date of attainment 28, (by the end of the project)
Means of verification: Posts available online on the project Facebook page and on the implementer's FB page		

	<p>A XI.4 Making a documentary film about the guide to good practices for reducing the GHG emissions</p> <p>Activity XI.5 A XI.5 Involvement of citizens and stakeholders (Citizen Science) in the elaboration of the Master Plan and of the specific environmental Strategies</p> <p>Activity XI.6 A XI.6 Organizing the kick-off meeting (Nov-Dec. 2020)</p> <p>Activity XI.7 A XI.7 Organizing scientific symposium. Scientific networking for the preparation & elaboration of the Master Plan (May, 2021)</p> <p>Activity XI.8 A XI.8 Organizing Lower Danube Floodplain stakeholders meeting (Oct. 2021)</p> <p>Activity XI.9 A XI.9 Organizing Danube Delta stakeholders meeting (events community - May, 2022)</p> <p>Activity XI.10 A XI.10 Organizing all stakeholders meeting (Lower Danube Floodplain & Danube Delta). Communicating Master Plan scenarios to the stakeholders & dissemination to the civil society (Oct. 2022)</p> <p>Activity XI.11 A XI.11 Organizing the Final Meeting/Conference. Closure of the project (Jan. 2023)</p>
5.6 Technical, political and economic risks	<p>Risk 1: Type/name of risk: Offline trainings, workshops, ULL's may be affected by the worldwide pandemic of COVID-19 Extent of risk and degree to which it can be influenced: High</p> <p>Strategy to minimise risk: Trainings, Workshops, meetings will be organized online, according to the WHO and local authority regulations.</p> <p>Risk 2: Type/name of risk: A slow start-up phase may endanger the timing of outcomes expected. Extent of risk and degree to which it can be influenced: Medium</p> <p>Strategy to minimise risk: A kick-off meeting held early in the project. Shorter duration milestones to make project manageable. In case risk occurs, tasks split into smaller more manageable sub-tasks to push project developments and aid project be on schedule</p> <p>Risk 3: Type/name of risk: Inertia regarding stakeholders involvement Extent of risk and degree to which it can be influenced: Medium</p> <p>Strategy to minimise risk: Financial motivation (proposal of incentives) of the acceptance of the recommendations formulated in the guide of good practices / strategies / environmental policies and of the Master Plan with scenarios of sustainable land use</p> <p>Risk 4:</p>

	measures to strengthen knowledge and raise awareness in the field of climate change mitigation									
Please indicate <u>sources of verification</u> for assessing the target value and list activities from 4-5 which contribute to fulfilling this indicator. Participation lists, Feedback forms, Photos										
<input checked="" type="checkbox"/> <i>Capacity development and networking for key state, civil society, economic, education, scientific and municipal actors to support transformative processes in partner countries</i>										
<table border="1"> <thead> <tr> <th data-bbox="469 723 845 790">Unit</th> <th data-bbox="845 723 1465 790">Target value</th> </tr> </thead> <tbody> <tr> <td data-bbox="469 790 845 1037">Number of trainings / coachings / networking events</td> <td data-bbox="845 790 1465 1037">5; (3 training sessions will be organized for 50 built environment professionals and public officers to increase their competence in energy efficiency of buildings + 2 trainings on the capacity of the organic soils to mitigate the GHG emissions and on institutional capacity building for climate change mitigation)</td> </tr> <tr> <td data-bbox="469 1037 845 1317">Number of key state, civil society, economic, education policy, academic and/or local stakeholders that - as a result of the project and its measures - support or initiate transformative processes for climate change mitigation</td> <td data-bbox="845 1037 1465 1317">25 relevant stakeholders form a Sustainable Development Cluster and commit to climate change action through sustainable land use and energy efficiency of the built environment</td> </tr> <tr> <td colspan="2" data-bbox="469 1317 1465 1473"> Documentation of joint working groups or workshops with, or courses/coaching sessions held by, key actors Constitutive document of the Sustainable Development Cluster; Memorandum of Understanding </td> </tr> </tbody> </table>			Unit	Target value	Number of trainings / coachings / networking events	5; (3 training sessions will be organized for 50 built environment professionals and public officers to increase their competence in energy efficiency of buildings + 2 trainings on the capacity of the organic soils to mitigate the GHG emissions and on institutional capacity building for climate change mitigation)	Number of key state, civil society, economic, education policy, academic and/or local stakeholders that - as a result of the project and its measures - support or initiate transformative processes for climate change mitigation	25 relevant stakeholders form a Sustainable Development Cluster and commit to climate change action through sustainable land use and energy efficiency of the built environment	Documentation of joint working groups or workshops with, or courses/coaching sessions held by, key actors Constitutive document of the Sustainable Development Cluster; Memorandum of Understanding	
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Documentation of joint working groups or workshops with, or courses/coaching sessions held by, key actors Constitutive document of the Sustainable Development Cluster; Memorandum of Understanding										
<input checked="" type="checkbox"/> <i>Dissemination and/or transfer of good practices on climate action from one Member State to another, while ensuring the practices are prepared appropriately for the given target group.</i>										
Transfer of knowledge and good practices between Germany and Romania are ensured within the project through: <ul style="list-style-type: none"> - Exchange of experience / Learning interaction event - Trainings certified under the Passiv Haus standard developed in Germany 										
<table border="1"> <thead> <tr> <th data-bbox="469 1798 845 1865">Unit</th> <th data-bbox="845 1798 1465 1865">Target value</th> </tr> </thead> <tbody> <tr> <td data-bbox="469 1865 845 2123">Number of specific examples of good practices from a member state that are taught in an appropriate way for the target group in at least one other member state and are disseminated</td> <td data-bbox="845 1865 1465 2123"> 1 Learning interaction event between experts and stakeholders of Romania and Germany (attended by minimum 20 people) 1 training for min. 20 built environment professionals with PTHP certification (Passiv Haus standard) </td> </tr> </tbody> </table>			Unit	Target value	Number of specific examples of good practices from a member state that are taught in an appropriate way for the target group in at least one other member state and are disseminated	1 Learning interaction event between experts and stakeholders of Romania and Germany (attended by minimum 20 people) 1 training for min. 20 built environment professionals with PTHP certification (Passiv Haus standard)				
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	<p>Please (1) state the rational for the applicability of the standard indicator and its target value, as well as (2) the possible means of verification:</p> <p>(1) Rational:</p> <p>(2) Verification:</p> <p>Please indicate <u>sources of verification</u> for assessing the target value and list activities from 5.5, which contribute to fulfilling this indicator. For the calculation, please use recognized methods, f.e. the <u>GHG Protocol for Project Accounting</u>.</p>
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7 Mainstreaming/ Interaction with European cooperation projects and other relevant aspects	
7.1 Networking and synergies	<p>EDAPHIC-BLOOM builds on past and ongoing research of project partners, and on results of various projects, which ensures state-of-the-art capture at EU level.</p> <p>EDAPHIC component:</p> <p>There are complementarities and synergies between this component and the following projects: SAPS (RO): Contribution of soil functions to ecosystem services in relation to local pedo-geo-climatic conditions and current and past land use as support for agri-environment policies</p> <p>REELD: Ecological and economic resizing in the Romanian sector of the Danube floodplain</p> <p>RePeat: REstoration and prognosis of PEAT formation in fens – linking diversity in plant functional traits to soil biological and biogeochemical processes</p> <p>Cooperation OECD-RO/DSD: Linking policy planning and budgeting to support the implementation of the SDGs in Romania</p> <p>SIPOCA 613 - Sustainable Romania: Development of the strategic and institutional framework for the implementation of the National Sustainable Development Strategy of Romania 2030</p> <p>BMBF-DLR <i>“Verbundprojekt ATTO: Pilotprojekte-Teilprojekt 6: Index zur Vulnerabilität amazonischer Baumarten auf veränderte hydrologische Regime im Zuge des Klimawandels“</i>.</p> <p>This ongoing project focuses on the water use efficiency of both floodplain and up-land tree species in the Amazon rainforest. Functional traits, tree growth, and biomass of most abundant tree species within each ecosystem are analyzed in dependence of hydro-regimes. Our research plan to investigate biomass and tree growth in the Danube Delta will thus benefit from the experience of the observed patterns in the Amazon.</p> <p>BLOOM component:</p> <p>Synergies will be established with OUR BUILDINGS (EUKI, Accelerating Climate Action for Buildings in Romania and Bulgaria), TRAIN-TO-NZEB (improving skills in the construction sector and providing trainings, demonstrations and comprehensive services for design and construction of nZEB, based on the Passive House concept) and its follow-up FIT-TO-NZEB focused on energy retrofit), START2ACT (increasing energy efficiency through behavior change; providing free-of-charge knowledge and know-how transfer on implementing energy measures), ENER-FUND (H2020, a tool that rates and scores deep renovation opportunities and enhances awareness in building retrofit potential), CREATING INTERFACES (H2020, capacity building for the urban food-water-energy nexus, making linkages understandable to the stakeholders, and facilitating cooperation and knowledge exchange).</p> <p>The training courses provided in BLOOM will include the curricula developed under the European BUILD UP Skills Initiative and will make use of the Building Knowledge Hubs created in “Train-to-NZEB”. Also, synergies with the „Roadshow nZEB” H2020 project (starting in June 2020) will be supported.</p>

	DDNI		2002 - 2018	CORINE Land Cover	National Coordinator
	DDNI	Romanian Ministry of Environment and Sustainable Development	2006 - 2007	REELD - Ecological and economic resizing in the Romanian sector of the Danube floodplain	Leader
	ICPA	FP7	2013-2018	RECARE: Preventing and Remediating degradation of soils in Europe through Land Care	Partner
	ICPA	Horizon 2020	2016-2021	SOILCARE: Soil Care for profitable and sustainable crop production in Europe	Partner
	ICPA	Horizon 2020	2015-2020	iSQAPER: Interactive Soil Quality assessment in Europe and China for Agricultural productivity and Environmental Resilience	Partner
7.3 Knowledge management	<p>The research institutes and universities involved in the implementation of the project will work together and will share their experience and results in order to be integrated and obtain new results.</p> <p>The scientific experience of the partners will be completed with field trips to take new data that will be analysed, processed and integrated into common results.</p> <p>These will allow the creation of thematic maps of the soils and vegetation in the analysed area and of the scenarios regarding the balance of GHG sequestration or emission. The results obtained will be integrated in a Master Plan on GHG sequestration and 2 Good Practice Guides.</p> <p>These results (knowledge) will be transferred to stakeholders and civil society (which will be involved through Citizen Science) to optimize GHG sequestration by conserving land with organic soils and promoting sustainable activities in the study area.</p> <p>The training courses provided in BLOOM will include the curricula developed under the European BUILD UP Skills Initiative and will make use of the Building Knowledge Hubs created in "Train-to-NZEB".</p> <p>Synergies with Roadshow to NZEB (H2020 project) will be supported by URBAN INCERC that is one of the implementing partners of both projects.</p> <p>The knowledge created and centralized in the BLOOM component will be visualized in the Energy Efficiency Map, publicly available on the website of Tulcea Municipality and on the DDNI Website</p> <p>A dedicated Knowledge transfer & Learning Interaction Event will be organized in Stuttgart by Steinbeis, that will make use of its infrastructure of centers and affiliated experts</p> <p>The project results will be used as tools for proposing recommendations for optimizing existing environmental regulations, policies, strategies and existing financial incentives.</p> <p>The results of the project will also be used to facilitate the attraction of new funding for the same purpose (climate adaptation through mitigation of GHG). The project can be considered a pilot project and can be replicated by the current consortium or one expanded in other regions of Romania or the EU. The Ministry of Environment is having a specialised department for Project Management, in which the Project are being elaborated and developed. There are 21 experts working in this Department.</p>				
7.4 Dissemination and visibility of the project	<p>A Dissemination Plan will be developed that includes conferences, workshops, trainings, roundtables and other awareness meetings for the involvement of the relevant authorities, NGO-s and SME-s, a documentary film to raise awareness among stakeholders, a dedicated WEB Platform for them, newsletters, Social Media actions, articles in national and local press, EUKI channels etc.</p>				

FIȘĂ DE PROIECT

Titlul proiectului:

Ecological resizing through urban and rural actions & dialogues for GHG mitigation in the Lower Danube Floodplain & Danube Delta (EDAPHIC-BLOOM DANUBE)

Traducerea titlului:

Redimensionarea ecologică prin acțiuni și dialoguri urbane și rurale pentru atenuarea emisiilor de gaze cu efect de seră în lunca inundabilă a Dunării de Jos și în Delta Dunării

Acronim proiect: EDAPHIC-BLOOM DANUBE

Programul de Finantare: EUKI

Ministerul Mediului, Conservării Naturii și Securității Nucleare (BMU) al Republicii Federale Germania a instituit Inițiativa Climatică Europeană (EUKI) pentru o cooperare și mai strânsă în dezvoltarea și punerea în aplicare a politicii climatice a UE. Prin EUKI (<https://www.euki.de/>), statele membre cooperează pentru atingerea obiectivelor stabilite în Acordul de la Paris. Inițiativa susține dialogul interior european, schimbul de bune practici, conștientizarea și transferul de cunoștințe.

EUKI finanțează proiecte ce au ca scop atenuarea schimbărilor climatice.

Finanțarea se realizează prin Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH (Agenția de Cooperare Internațională a Germaniei).

Lider consorțiu: Institutul Național de Cercetare-Dezvoltare "Delta Dunării"

Parteneri: Institutul Național de Cercetare-Dezvoltare în Construcții, Urbanism și Dezvoltare Teritorială Durabilă URBAN-INCERC, București
Primăria Municipiului Tulcea
Ministerul Mediului, Apelor și Pădurilor
Departamentul pentru Dezvoltare Durabilă din cadrul Secretariatului General al Guvernului României
Institutul Național de Cercetare-Dezvoltare pentru Pedologie, Agrochimie și Protecția Mediului – ICPA București
Steinbeis Innovation gGmbH
Universitatea de Științe Aplicate Karlsruhe
Institutul de Tehnologie Karlsruhe / Karlsruhe Institute of Technology (KIT)

2. Acțiuni privind creșterea competenței în proiectarea / execuția clădirilor conform criteriilor de sustenabilitate a mediului construit – transfer de cunoștințe din Germania;

2.1. Training-uri pentru profesioniștii în proiectarea și execuția clădirilor (arhitecți, ingineri, diriginți de șantier etc.) – certificare proiectant / consultant clădiri "verzi"/ clădiri pasive

2.2. Training-uri pentru funcționarii publici care verifică documentațiile pentru autorizarea execuției clădirilor (Serviciul Urbanism) și pentru cei care întocmesc caiete de sarcini pentru atribuirea contractelor de servicii și lucrări;

3. Acțiuni de informare/conștientizare în rândul populației locale;

- Workshop-uri, focus grupuri, laboratoare urbane care să contribuie la diseminarea practicilor sustenabile în utilizarea energiei în clădiri (rezidențial, office etc).

Perioadă desfășurare proiect complex: Noiembrie 2020 – Ianuarie 2023 (27 luni)

Buget estimat:

Pentru implementarea activităților din proiect, s-a estimat un buget de **40.896 euro** aferent partenerului Primăria Tulcea – din care **38.8960 euro grant EUKI** și **2000 euro cofinanțare Primăria Tulcea**.

Modalitate de finanțare:

Proiectele EUKI se finanțează în avans, la fiecare 3 luni, pe baza unei scheme de plată care ține cont de activitățile desfășurate și care se stabilește la începerea proiectului. O tranșă de 10% din valoarea proiectului va fi rambursată la final, după încheierea tuturor activităților.

Bugetul fiecărui partener este alcătuit din cheltuieli cu personalul, cheltuieli pentru deplasări interne și externe, cheltuieli cu organizarea de evenimente, subcontractări și cheltuieli administrative.

Linia bugetară „Cheltuieli administrative” se calculează ca 11% din cheltuielile directe.

Co-finanțarea așteptată de la partenerii de implementare este de 5% din totalul bugetului, restul de 95% reprezentând fonduri nerambursabile.

Reponsabilitățile partenerului:

Pentru implementarea cu succes a activităților proiectului, principalele responsabilități ale Primăriei Tulcea sunt:

- selectarea clădirilor ce urmează a fi auditate energetic, punerea la dispoziție a materialelor necesare studiului (fișe tehnice existente, proiectul clădirii etc.) și asigurarea accesului pentru măsurători;

Obiectiv general: EDAPHIC-BLOOM DANUBE își propune să consolideze capacitățile de atenuare a gazelor cu efect de seră (GES) în regiunea țintă, prin conservarea / restaurarea solurilor organice și creșterea eficienței energetice în sectorul mediului construit.

Impact proiect EDAPHIC-BLOOM DANUBE

EDAPHIC- BLOOM vizează o serie complexă de părți interesate care vor fi împuternicite să contribuie la reducerea gazelor cu efect de sera (GES) prin instrumente de sprijinire a deciziilor pentru gestionarea durabilă a utilizării terenurilor și pentru atingerea obiectivelor energetice și să obțină beneficii suplimentare în acest proces.

Până la sfârșitul proiectului, autoritățile din zona țintă primesc instrumente de sprijin pentru luarea deciziilor legate de planurile de utilizare a terenurilor și de eficiență energetică; profesioniștii relevanți își vor crește în mod semnificativ competența în modelarea mediului construit conform criteriilor de construcții cu energie aproape zero, iar societatea civilă și părțile interesate își vor crește rolul în procesul de dezvoltare durabilă.

Rezultat

Capacități sporite pentru atenuarea GES prin conservarea / restaurarea solurilor organice și creșterea eficienței energetice în sectorul mediului construit

- **Componenta BLOOM – BuilT enviroNment perFOrmance:** Boosting Capacities for Energy Efficiency in the Built Environment Sector.

Obiectiv principal: Creșterea calității mediului construit în Tulcea și în regiunea Dobrogea, în particular creșterea performanței energetice a clădirilor.

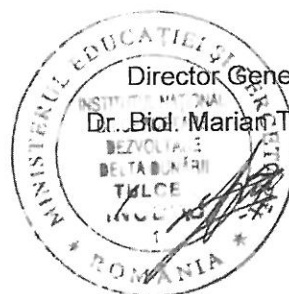
Principalele activități ale componentei BLOOM:

1. Acțiuni privind sprijinirea municipalității în creșterea eficienței energetice a clădirilor și alinierea la directivele naționale și europene privind eficiența energetică;
 - 1.1. Crearea unei baze de date GIS care să cuprindă toate atributele privind performanța energetică a clădirilor ce au fost deja certificate / auditate energetic la nivelul municipiului / județului Tulcea și crearea unei hărți a eficienței energetice disponibile online.0
 - 1.2. Auditarea energetică a unui număr de aprox.10 clădiri publice din municipiul Tulcea, aflate în administrarea primăriei .
 - 1.3. Raport cu recomandări pentru creșterea performanței energetice, în funcție de rezultatele auditărilor și de concluziile rezultate din crearea hărții energetice – livrabil utilizabil pentru viitoare proiecte privind eficientizarea energetică a unor clădiri prin POR.

- centralizarea și transmiterea către parteneri a tuturor certificatelor energetice / auditelor energetice depuse la recepția lucrărilor autorizate pe raza municipiului Tulcea, în vederea populării bazei de date GIS
- deschiderea unei secțiuni pe website-ul primăriei, unde va fi prezentată harta eficienței energetice creată de către INCDDD în urma georeferențierii informațiilor privind performanța energetică a clădirilor și păstrarea hărții pe website atât pe durata implementării proiectului, cât și după încheierea acestuia
- asigurarea participării la trainingurile organizate în proiect a personalului relevant din cadrul Serviciului Urbanism și a personalului care organizează achizițiile publice pentru atribuirea contractelor de servicii și lucrări de proiectare/execuție.
- participarea la întâlnirile cu partenerii din țară și din străinătate
- organizarea unei sesiuni de informare / consultare cu publicul și a unui workshop pentru diseminarea practicilor sustenabile în utilizarea energiei în clădiri (în cooperare cu toți partenerii)
- întocmirea rapoartelor de progres pentru activitățile implementate

Întocmit,

Coordonator componenta BLOOM,
Arh. Mădălina SBARCEA



Director General,
Dr. ~~Biol.~~ Marian TUDOR

[illegible]

