



**Prækvalifikation af videregående uddannelser - Globale naturressourcer og
udvikling**

Udskrevet 20. februar 2026

Kandidat - Globale naturressourcer og udvikling - Københavns Universitet

Institutionsnavn: Københavns Universitet

Indsendt: 14/09-2022 09:28

Ansøgningsrunde: 2022-2

Status på ansøgning: Godkendt

[Afgørelsesbilag](#)

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Ansøgningstype

Ny uddannelse

Udbudssted

København

Informationer på kontaktperson for ansøgningen (navn, email og telefonnummer)

Professor Carsten Smith-Hall, cso@ifro.ku.dk, 3533 1963

Er institutionen institutionsakkrediteret?

Ja

Er der tidligere søgt om godkendelse af uddannelsen eller udbuddet?

Nej

Uddannelsesstype

Kandidat

Uddannelsens fagbetegnelse på dansk

Globale naturressourcer og udvikling

Uddannelsens fagbetegnelse på engelsk

Global environment and development

Angiv den officielle danske titel, som institutionen forventer at bruge til den nye uddannelse

Cand.scient. i globale naturressourcer og udvikling

Angiv den officielle engelske titel, som institutionen forventer at bruge til den nye uddannelse

Master of Science (MSc) in Global Environment and Development

Hvilket hovedområde hører uddannelsen under?

Naturvidenskab

Hvilke adgangskrav gælder til uddannelsen?

Foranlediget af uddannelsens interdisciplinære profil er der adgang for ansøgere fra en bred vifte af bacheloruddannelser. Ansøgere med følgende bacheloruddannelser har direkte adgang til uddannelsen:

- Antropologi, biokemi, biologi, bioteknologi, fødevarer og ernæring, geografi og geoinformatik, husdyrvidenskab, miljø- og fødevareøkonomi (tidl. jordbrugsøkonomi), naturressourcer, sociologi, økonomi fra Københavns Universitet.

- Biologi, bioteknologi, geologi, landbrugsvidenskab, økonomi eller anden samfundsvidenskabelig bacheloruddannelse fra Milano Universitet.

- Applied Sociology and Social Antropology, Applied geology, Biology, Biotechnology, Economics, Geography, Geophysics in Geology, Interdisciplinary Economic-Managerial Studies, Psychology, Sociology fra Warszawa Universitet.

- Agrobiologi, agronomi, antropologi, biokemi, biologi, bioteknologi, fødevarevidenskab, ernæring, geografi, husdyrvidenskab, jordbrugsøkonomi, landskabsudvikling, naturressourcer, miljøvidenskab, skovbrugsvidenskab, sociologi eller anden samfundsvidenskabelig bacheloruddannelse, udviklingsstudier, økonomi fra et andet europæisk eller internationalt universitet.

- Der kan desuden optages ansøgere, der efter en individuel faglig vurdering har uddannelsesmæssige forudsætninger, der kan sidestilles med ovenstående.

Ansøgere søger om optagelse gennem KU's ansøgningsportal (DANS).

Ud over eksamensbeviser skal ansøgning indeholde dokumentation for engelsk sprogkundskaber (efter kandidatbekendtgørelsens § 31) i form af TOEFL-test med et testresultat på mindst 83 eller IELTS-test med et testresultat på mindst 6,5. Cambridge English Advanced (bedømmelse A, B og C) samt Cambridge English First (bedømmelse A) accepteres ligeledes, som dokumentation for engelsk sprogkundskab.

Prioritering af ansøgere:

Overstiger antallet af ansøgere antal studiepladser finder prioritering sted som følger:

1. Ansøgere med en relevant bacheloruddannelse fra Københavns Universitet, Milano Universitet, Warszawa Universitet

2. Andre ansøgere

Hvis antallet af ansøgere inden for en kategori overstiger antal studiepladser finder prioritering sted ved karaktergennemsnit opnået i den adgangsgivende bacheloruddannelse, kombineret med vurdering af letter of motivation.

Forventeligt vil 50-75% af de som tilbydes optagelse parallelt blive tilbudt Erasmus Mundus-stipendium – jf. nedenfor.

Er det et internationalt samarbejde, herunder Erasmus, fællesuddannelse el. lign.?

Ja

Hvis ja, hvilket samarbejde?

Erasmus Mundus-kandidatuddannelse. Status: Evalueret til selektion af EACEA (Grant Agreement Preparation (GAP) invitation letter + Evaluation Summary Report (ESR) indgår som bilag 1.3 og 1.4).

For Københavns Universitets vedkommende sker etableringen af den planlagte Erasmus Mundus-kandidatuddannelse i globale naturressourcer og udvikling med afsæt i Det Natur- og Biovidenskabelige Fakultets eksisterende toårige kandidatuddannelse i Environment and Development.

I samarbejdet med de to partneruniversiteter og den planlagte inddragelse af EU's Erasmus Mundus-program suppleres den eksisterende toårige kandidatuddannelse i Environment and Development med struktureret mobilitet og mulighed for gennemførelse af andet studieår i enten Milano (naturvidenskabelig specialisering) eller Warszawa (samfundsvidenskabelig specialisering) for tilsammen 40 studerende årligt.

I henhold til dansk lovgivning skal tilføjelse af disse muligheder via Erasmus Mundus-programmet separat prækvalificeres i Danmark – jf. bekendtgørelse om universiteternes internationale uddannelsesforløb.

Uddannelsen er således en Erasmus Mundus Joint Masters (EMJM) ansøgt i EU's Education and Culture Executive Agency (EACEA) ved deadline den 16. februar 2022.

De tre partneruniversiteter involveret i samarbejdet om uddannelsen er Københavns Universitet, Det Natur- og Biovidenskabelige Fakultet, Institut for Fødevarer- og Ressourceøkonomi; Università degli Studi di Milano, Department of Agricultural and Environmental Sciences; og University of Warsaw, Centre for Environmental Studies and Sustainable Development.

Alle tre universiteter er partnere i 4EU+ European University Alliance, etableret i 2018 med det formål at fremme europæisk og interdisciplinært uddannelsessamarbejde, herunder tilstræbe etablering af fælles Erasmus Mundus-kandidatuddannelser i regi af indsatsområdet Biodiversity and Sustainable Development.

Samarbejdet om Erasmus Mundus-kandidatuddannelsen er iværksat, fordi de tre universiteter hver især er prominente forsknings- og uddannelsesinstitutioner inden for områderne naturressourcer og udvikling. De har kapacitet og relevante fagmiljøer, der bidrager til sikringen af et fælles og tværdisciplinært teoretisk og metodisk grundlag på absolut højeste internationale niveau.

Hvilket sprog udbydes uddannelsen på?

Engelsk

Er uddannelsen primært baseret på e-læring?

Nej, undervisningen foregår slet ikke eller i mindre grad på nettet.

ECTS-omfang

120

Beskrivelse af uddannelsens formål og erhvervssigte. Beskrivelsen må maks. fylde 1200 anslag

Uddannelsens formål er at uddanne internationalt kompetitive kandidater, der arbejder interdisciplinært med naturressourceforvaltning og udvikling, særligt i relation til landbrug og fornybare naturressourcer. Uddannelsen har således et interdisciplinært og obligatorisk forløb samt to tilhørende specialiseringer, orienteret mod henholdsvis naturvidenskab (andet studieår i Milano) og samfundsvidenskab (andet studieår i Warszawa).

Erhvervssigtet omfatter både private og offentlige virksomheder. Uddannelsen er rettet imod senere virke i:

- Private virksomheder, der arbejder med globale produktionsnetværk, herunder landbrugs- og fødevarebranchen.
- Private og offentlige virksomheder samt internationale NGO'er, der arbejder med udvikling, implementering, forvaltning og monitorering af naturressourceorienterede programmer og projekter, herunder certificering og værdikæder.
- Offentlige myndigheder, der arbejder med monitorering og/eller policy-aktiviteter med relation til forvaltning af naturressourcer.
- Universiteter og forskningsinstitutioner, hvor kandidater arbejder med forskning, bl.a. som del af ph.d.-programmer.

Uddannelses struktur og konstituerende faglige elementer

I forbindelse med ansøgningen vælger hver studerende specialisering. Alle studerende tilbringer første år ved Københavns Universitet (60 ECTS), hvor de gennemgår det fælles interdisciplinære forløb (30 ECTS) sideløbende med at de påbegynder deres specialisering (30 ECTS). Hver specialisering har et sæt målrettede begrænset valgfri kurser i København.

Dette efterfølges af andet studieår (60 ECTS) ved enten Milano Universitet eller Warszawa Universitet.

Førstnævnte tilbyder naturvidenskabelig specialisering på linjen Agricultural Development, sidstnævnte tilbyder samfundsvidenskabelig specialisering på linjen Sustainable Environmental Development. En obligatorisk fælles workshop (3 ECTS) på tværs af linjerne fokuserer på udvikling af specialer. Specialer er 30 ECTS uanset universitet (jf. illustration i bilag 1.5).

Udover obligatoriske fag vælger den enkelte studerende mellem begrænset valgfrie kurser, afhængig af specialisering. Der er tværinstitutionel undervisning på begge år (undervisere fra de tre universiteter underviser sammen på udvalgte kurser, herunder fælles feltkursus) og en høj grad af undervisningsdiversitet, hvor teori og praksis kombineres, f.eks. via feltkurser.

Erasmus Mundus-kandidatuddannelsen og det tilknyttede kursusudbud baseres på eksisterende godkendte fagudbud på de samarbejdende universiteter, hvor første studieår på Københavns Universitet udgøres af følgende obligatoriske kurser (fra den toårige kandidatuddannelse i Environment and Development):

- Practising Interdisciplinarity (7,5 ECTS)
- Environment and Development - from Theory to Practice (7,5 ECTS)
- Thematic Course: Interdisciplinary Land Use and Natural Resource Management (15 ECTS)

For studerende på den naturvidenskabelige specialisering på linjen Agricultural Development vælges i København mellem følgende begrænsede valgfrie fag (30 ECTS):

- Plant Nutrition and Soil Fertility (7.5 ECTS)
- Advanced Crop Production (7,5 ECTS)
- Plant Infection and Disease Management (7.5 ECTS)
- Tropical Crop Production (7.5 ECTS)
- Applied Statistics (7,5 ECTS)
- Agroforestry (7.5 ECTS)
- Applied Insect Ecology and Biological Control (7.5 ECTS)
- Climate Management in Plant Production and Research (7.5 ECTS)
- From Plants to Bioenergy (7.5 ECTS)
- Soil Biology (7.5 ECTS)
- Environmental Impact Assessment (7.5 ECTS)
- Life Cycle Assessment within Biological Production Systems (7.5 ECTS)
- Project in practice (15 ECTS)

For studerende på den samfundsvidenskabelige specialisering på linjen Sustainable Environmental Development vælges i København mellem følgende begrænsede valgfrie fag (30 ECTS):

- Applied Ethnobotany (7,5 ECTS)
- Political Ecology (7,5 ECTS)
- Land Use Transitions in the Global South (7,5 ECTS)
- Applied Econometrics (7,5 ECTS)
- Tropical Forests, People, and Policies (7,5 ECTS)
- Livelihoods and Environmental Change (7,5 ECTS)
- Participatory Natural Resource Governance (7,5 ECTS)
- Globalisation and Dynamics in Global Value Chains (7,5 ECTS)
- Human Adaptation to Climate Change and Variability (7,5 ECTS)
- Qualitative Methods: From Interviews and Observation to Analysis (7,5 ECTS)
- Rural-Urban Transformations in the Global South (7,5 ECTS)
- Critical Development Studies (7,5 ECTS)
- Agricultural Value Chains in Developing Countries (7,5 ECTS)
- Environmental Justice (7,5 ECTS)

Det andet studieår (med naturvidenskabelig specialisering) på Milano Universitet består af følgende konstituerende fag, som de studerende på denne specialisering, skal følge:

- Laboratory of sustainability in livestock systems (5 ECTS)
- Laboratory of sustainability in agricultural mechanization (5 ECTS)
- Laboratory of sustainability in water management (5 ECTS)

Yderligere 12 ECTS udgøres af valgfri kurser, selekteret blandt følgende:

- Experimental methodologies in agriculture (6 ECTS)
- Biomass and waste recycling (6 ECTS)
- Environmental impact of agro-food production systems (4 ECTS)
- Agro-environmental analysis and modelling (6 ECTS)
- Energy for agriculture (6 ECTS)
- Plant disease and pest management (6 ECTS)
- Cropping systems (8 ECTS)
- Natural resources economics (6 ECTS)
- International cooperation and crop-livestock systems (6 ECTS)
- Characterization and management of animal and plant genetic resources (6 ECTS)
- Adaptation of livestock systems to climate change (6 ECTS)

Speciale udgør 30 ECTS, inklusive en fælles intra-semester workshop (3 ECTS).

Det andet studieår (med samfundsvidenskabelig specialisering) på Warszawa Universitet består af følgende konstituerende fag, som de studerende på denne specialisering, skal følge:

- Global problems in the contemporary world (4 ECTS)
- Emerging Sustainable Development Law (4 ECTS)
- Sustainable Development Economics (4 ECTS)
- Measuring, Evaluating and Reporting Sustainability and Innovation (3 ECTS)

Yderligere 12 ECTS udgøres af valgfri kurser, selekteret blandt følgende:

- Innovation and knowledge (4 ECTS)
- Global Justice and Human Rights (6 ECTS)
- Challenges of the Social Dimension of Sustainability (3 ECTS)
- Research Study (8 ECTS)
- International Environmental Law (3 ECTS)
- Entrepreneurship, Leadership & CSR (3 ECTS)
- Reclamation, Remediation and Renaturalisation of the Environment (2 ECTS)
- The World at the Crossroads (2 ECTS)
- Communication, Education and Cooperation (3 ECTS)
- Climate Change (3 ECTS)

Speciale udgør 30 ECTS, inklusive en fælles intra-semester workshop (3 ECTS).

Parallelt med de ECTS udløsende kursusaktiviteter tilbydes de studerende på uddannelsen et career management forløb. Kurset er blended learning og består af 6 moduler. Det starter online i forlængelse af optagelsesprocessen inden de studerende er startet på uddannelsen og de resterende moduler afholdes parallelt gennem hele det toårige uddannelsesforløb. Formålet med kurset er, at de studerende udvikler karrierekompetencer og får kontakt til arbejdsmarkedet undervejs på deres uddannelse.

Umiddelbart efter afslutning af Erasmus Mundus-kandidatuddannelsen afholdes endvidere en årlig Career Workshop med henblik på yderligere at fremme arbejdsgiver kontakt.

Begrundet forslag til takstindplacering af uddannelsen

Der ansøges om takst 3.

De obligatoriske kurser, som finder sted på Københavns Universitet, indgår alle i den tilgrundliggende takst-3 kategoriserede kandidatuddannelse i Environment and Development. Tilsvarende takst-3 kategorisering gør sig gældende for hovedparten (23 af 26) af de begrænset valgfri kurser udbudt på Københavns Universitet, som del af Erasmus Mundus-kandidatuddannelsen i Globale naturressourcer og udvikling. Uddannelsen foreslås derfor indplaceret på takst 3, ligesom den tilgrundliggende toårige kandidatuddannelse på KU i Environment and Development.

Forslag til censorkorps

Uddannelsen foreslås tilknyttet Det Jordbrugsvidenskabelige Censorkorps. I henhold til Bekendtgørelse nr. 247 af 13/03/2015 om universiteternes internationale uddannelsesforløb, vil de dele af Erasmus Mundus-kandidatuddannelsen, som finder sted på Milano Universitet og Warszawa Universitet, ligeledes være omfattet af de der gældende retningslinjer for eksamination og censurering.

Dokumentation af efterspørgsel på uddannelsesprofil - Upload PDF-fil på max 30 sider. Der kan kun uploades én fil

MERGED bilag.pdf

Kort redegørelse for det nationale og regionale behov for den nye uddannelse. Besvarelsen må maks. fylde 1800 anslag

Behovet skyldes stigende handel med naturressourcer (fx træ, læder, og fødevarer), der giver et udviklingspotentiale i produktionsområder, og øget efterspørgsel efter bæredygtig producerede produkter og værdikæder. Dette kræver arbejdskraft med bred forståelse (interdisciplinær viden) og specialiseret viden, og behovet herfor er erkendt internationalt i bl.a. OECD rapporten Meeting policy challenges for a sustainable bioeconomy (2018), i Europa Kommissionens meddelelse om en ny dagsorden for videregående uddannelse (2017) og European Green Deal (2019), og i Verdensbankens strategi for Tertiary Education (2021).

Uddannelsen gør brug af undervisningskompetencer på tværs af tre europæiske universiteter med det formål at udvikle mere konkurrencedygtige kandidater til at møde denne udfordring på de europæiske og det danske arbejdsmarked. Arbejdsmarkedshensyn er integreret i uddannelsen, f.eks. er europæiske virksomheder associerede partnere i Erasmus-Mundus samarbejdet om uddannelsen.

I forbindelse med det danske arbejdsmarked har uddannelsen i maj 2019 og maj 2021 været drøftet i Aftagerpanel for Naturressourcer og Miljø, der bl.a. har repræsentanter for Nykredit, Aarstiderne, Solum A/S, VKST I/S, NIRAS, Miljøstyrelsen, Naturstyrelsen, DLF Trifolium, DI, Landbrug & Fødevarer, GEUS, Miljø- og Fødevareministeriet, SEGES, og Food Job Nordic. Panelet anbefalede enstemmigt etablering af Erasmus Mundus-programmet.

I tillæg har beskrivelse af uddannelsen været rundsendt til potentielle danske arbejdsgivere med snævrere tilknytning til uddannelsen: International Woodland Company, PriceWaterhouseCoopers, COOP, Dansk Energi, Ministry of Foreign Affairs, Care Danmark, MS/ActionAid, Preferred by Nature (NEPCON). Dette gav ikke anledning til yderligere justering af uddannelsen.

Uddybende bemærkninger

Uddannelsen tilgodeser såvel det europæiske som det danske arbejdsmarked. Uddannelsen lægger vægt på kontinuerlig og tæt kontakt til relevante erhverv, herunder gennem brug af gæsteforelæsere, ekskursioner, feltkurser, specialesamarbejder og workshops orienteret mod arbejdsgivere. Et vigtigt redskab er Erasmus Mundus-konsortiets inklusion af associerede partnere, herunder netværk af aktører fra det private erhvervsliv. Disse tjener bl.a. til at danne tættere bånd mellem studerende og potentielle arbejdsgivere. Associerede partnere inkluderer f.eks. CCC, en af de største skoproducenter i Europa (bl.a. involveret i globale forsyningskæder der i højere og højere grad skal være bæredygtige, et typisk arbejdsområde for en kandidat fra uddannelsen).

Underbygget skøn over det nationale og regionale behov for dimittender. Besvarelsen må maks. fylde 1200 anslag

Det forventes, at uddannelsen vil uddanne 38-40 kandidater årligt fra 2025 (optag 2023) og de følgende 4 år, som er den periode EU-bevillingen, med de ledsagende 60-80 studiestipendier, vil være gældende.

Det er ikke muligt nøjagtigt at fastslå behovet for dimittender. De involverede partnere og interessenter anslår behovet for at være betragteligt og stigende, og med en årlig produktion af maksimalt 40 dimittender forventes den samlede nationale og europæiske efterspørgsel langt at overstige udbuddet. Det er vanskeligt at anslå hvor mange der vil finde beskæftigelse i Danmark vs det øvrige EU, men uddannelsens struktur sikrer Danmark en rekrutteringsfordel, da alle studerende kommer til at fuldføre første studieår i Danmark.

Det bemærkes, at der i øjeblikket i det øvrige EU ikke tilbydes lignende interdisciplinære kandidatprogrammer orienteret mod naturressourcer og udvikling, mens der i dansk sammenhæng alene udbydes den tilgrundliggende toårige kandidatuddannelse i Environment and Development, der hermed suppleres med mulighed for struktureret mobilitet og specialisering i henholdsvis Italien og Polen.

Hvilke aftagere har været inddraget i behovsundersøgelsen? Besvarelsen må maks. fylde 1200 anslag

Et bredt spektrum af aftagere har været inddraget (via aftagerpanel eller i separat henvendelse), fra det private erhvervsliv, den offentlige sektor, og civilsamfundet, inklusiv:

Poul E Jørgensen, Nykredit, Landbrugsdirektør

Annette H Larsen, Aarstiderne, Adm. Direktør

Niels Bahnsen, NIRAS, Projektchef

Christian S Jensen, DLF Trifolium, Head of Biotech and Turf research, Europe

Karin Klitgaard, DI, Miljøpolitisk chef

Morten A Linnet, Landbrug & Fødevarer, Forskningspolitisk chef

Signe Anthon, Miljø- og fødevareministeriet, Teamleder, Analyse og Digitalisering

Troels Toft, SEGES, Sektordirektør

Peter Ilsøe, Naturstyrelsen, Direktør

Mads K Clemmensen, Food Job Nordic, Director and Founder

Øystein J Nielsen, International Woodland Company, Investment forestry analyst

Mogens Pedersen, PriceWaterhouseCoopers, Senior Manager, CSR

Thomas Roland, COOP, Head of Department, Responsibility

Kristine van het E Grunnet, Dansk Energi, Senior Advisor

Nanna Hvidt, Ministry of Foreign Affairs, Head of Office, Evaluation

Rolf Hernø, Care Denmark, Programme Co-ordinator

Tim Whyte, MS/ActionAid, Secretary General

Peter Feilberg, Preferred by Nature (NEPCON), Director

Hvordan er det konkret sikret, at den nye uddannelse matcher det påviste behov? Besvarelsen må maks. fylde 1200 anslag

Uddannelsen er planlagt og tilrettelagt, så den sigter mod at løse de udfordringer, der er identificeret på det internationale arbejdsmarked (f.eks. af OECD, EU mv., som nævnt ovenfor). Uddannelsen sikrer, at alle dimittender har bred forståelse af problemstillinger i relation til naturressourcer og udvikling (via det interdisciplinære forløb på første år) samt specialiseret viden (via de to specialiseringer på andet studieår). Desuden har uddannelsen etableret et netværk af associerede partnere, der skal sikre løbende feedback, dialog og kvalitetsudvikling.

I forbindelse med det danske arbejdsmarked har uddannelsen været præsenteret og drøftet i Aftagerpanel for Naturressourcer og Miljø (se udvalg af deltagere ovenfor). I tillæg har beskrivelse af uddannelsen tillige været rundsendt til potentielle danske arbejdsgivere med snævrere tilknytning til uddannelsen, inkl. International Woodland Company, PriceWaterhouseCoopers, COOP, Dansk Energi, Aarstiderne, Ministry of Foreign Affairs, Care Danmark, MS/ActionAid, Preferred by Nature (NEPCON).

Beskriv ligheder og forskelle til beslægtede uddannelser, herunder beskæftigelse og eventuel dimensionering. Besvarelsen må maks. fylde 1200 anslag

Bortset fra den tilgrundliggende toårige kandidatuddannelse i Environment and Development, der med nærværende initiativ suppleres med mulighed for struktureret mobilitet og specialisering i Milano eller Warszawa, er der ikke i dansk sammenhæng nærtbeslægtede uddannelser, som kombinerer naturressourcer og udvikling.

Eksisterende relaterede uddannelser i EU har typisk et mere snævert fagligt fokus (f.eks. kun værdikæder i International Master of Science in Sustainable and Innovative Natural Resource Management), er geografisk begrænset (f.eks. European Interdisciplinary Master in African Studies), eller disciplinært begrænset (f.eks. kun samfundsvidenskab som i MSc in Global Development Policy). Det samme gør sig gældende for nationale uddannelser i EU-lande, bl.a. the Master in Sustainable Agriculture at the University of Portalegre and of Santarem (Portugal), the Master in Environment, Agriculture and Resource Management at the University of Zagreb (Croatia), eller the Master in Sustainable Agriculture and Business at the International Hellenic University (Greece).

Uddybende bemærkninger

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Beskriv rekrutteringsgrundlaget for ansøgte, herunder eventuelle konsekvenser for eksisterende beslægtede udbud. Besvarelsen må maks. fylde 1200 anslag

Rekrutteringsgrundlaget er stort, som reflekteret i den tilgrundliggende toårige kandidatuddannelse i Environment and Development på KU, der årligt har 250+ ansøgere. Da der ingen beslægtede tilbud er, har det ingen konsekvenser for beslægtede uddannelser.

Beskriv kort mulighederne for videreuddannelse

Erasmus Mundus-kandidatuddannelsen i Globale naturressourcer og udvikling giver kandidaterne mulighed for forskeruddannelse. De færdige kandidater vil således være kvalificeret til at søge videre som ph.d.-studerende.

Forventet optag på de første 3 år af uddannelsen. Besvarelsen må maks. fylde 200 anslag

Det forventes at optage 40/studerende per år i de første tre år af uddannelsen.

Hvis relevant: forventede praktikaftaler. Besvarelsen må maks. fylde 1200 anslag

Ikke relevant.

Øvrige bemærkninger til ansøgningen

Kandidatuddannelsen i Environment and Development har haft stor variation i beskæftigelsestal, generelt på et for højt niveau. Dette ledte til en omfattende revision af uddannelsen, i såvel navn som indhold, der blev godkendt i efteråret 2018 (med navneskift fra Agricultural Development (AD) til Environment and Development (ED)). Rekruttering af studerende til det nye/reviderede program har været særdeles positiv, med mange ansøgere af høj kvalitet (således var uddannelsen det tredje mest søgte kandidatprogram på SCIENCE ifm studiestart i efteråret 2021). Effekten af disse ændringer kan endnu ikke ses i beskæftigelsesstatistikken, da de første kandidater kun er ved at blive færdige. Forventningen er en markant lavere ledighed for disse nye ED kandidater.

Hermed erklæres, at ansøgning om prækvalifikation er godkendt af institutionens rektor

Ja

Status på ansøgningen

Godkendt

Ansøgningsrunde

2022-2

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Uddannelses- og Forskningsstyrelsen



Bilag 1.1. Vedr. prækvalifikation af Erasmus Mundus Joint Master in Global Environment and Development (MERGED)

13 SEPTEMBER 2022

Det Natur- og Biovidenskabelige Fakultet, Københavns Universitet, ønsker at gøre opmærksom på det særlige forhold, at den planlagte Erasmus Mundus-kandidatuddannelse har sit afsæt i en allerede eksisterende kandidatuddannelse på Københavns Universitet. Det drejer sig om den toårige kandidatuddannelse i Environment and Development.

BÜLOWSVEJ 17
1870 FREDERIKSBERG C

DIR 35 33 26 65
MOB 28 75 26 65

proud@science.ku.dk
www.science.ku.dk

Med selektion i EU som Erasmus Mundus Joint Master, inklusive en allokeret budgetramme på EUR 4.864.800, suppleres denne kandidatuddannelse med to fastlagte muligheder for mobilitet og specialisering, udbudt i samarbejde med Universiteter i Milano og Warszawa, der ligesom Københavns Universitet er partnere i Europauniversitetet 4EU+. Der er altså ikke i reel forstand tale om en "ny" uddannelse, men om indlejring af struktureret mobilitet i en allerede udbudt kandidatuddannelse. I den danske uddannelseslovgivning kræver det imidlertid separat prækvalifikation, når tiltag som dette sker i regi af Erasmus Mundus. Derfor indsendes nærværende prækvalifikationsansøgning.

Mulighederne for struktureret mobilitet og specialisering har i forløbet været forelagt og drøftet med relevant aftagerpanel, som bakker op om initiativet og har tilkendegivet, at også dimittender uden dansk kundskaber vil være relevante på det danske arbejdsmarked.

Det bilagte udkast til samarbejdsaftale for MERGED foreligger endnu ikke i underskrevet stand. Samarbejdsaftalen kan først underskrives når der foreligger Grant Agreement udstedt og underskrevet af EACEA i Bruxelles.

Med venlig hilsen

Grete Bertelsen
Prodekan for Uddannelse

Bilag 1.2. Aftagerbehov/-analyse.

The world is changing, and changing fast. The complex and unprecedented challenges, in Denmark, the European Union, and beyond, include **biodiversity loss, depletion of natural resources, climate change, and unsustainable production systems**. To develop and implement **green transitions**, European universities must come together in new ways to **foster innovation in education and research** to support society and the economy, enabling interdisciplinary understanding and novel specialised approaches. European universities must collaborate to provide solutions. We need to educate tomorrow's leaders to unravel these challenges, find innovative solutions, and accelerate change, including through uncovering new possibilities – while the global demand for environmental resources is increasing, and the associated prospecting, extraction, and appropriation can threaten livelihoods and ecosystems, this development also constitutes an opportunity. Livelihoods, environmental and agricultural resource management, and global developments are intimately linked. This linkage constitutes a possibility to increase human prosperity and enhance sustainable resource use simultaneously. **Strengthening development without sacrificing the prospects of the weakest, or compromising local or planetary limits, is the critical challenge of the 21st century.** We believe in the human capacity to meet this challenge. An example of a challenge is the need to feed more people in the face of declining food production. Given global population increase, estimated to reach 9.1 billion by 2050, and climate change induced crop yield decreases (e.g. global yields of maize and wheat have decreased by 3.8% and 5.5% with further decreases expected, e.g. a 30% yield reduction for maize in South Africa), new measures are needed to minimize the climate impacts on crop production and productivity, diversifying agricultural livelihoods, reconfiguring global production networks, and changing the political ecology of food production. Identifying feasible solutions to fairer food systems, here and in related areas such as the Farm to Fork Strategy in the European Green Deal, requires an interdisciplinary approach.

The Erasmus Mundus Joint Master in Global Environment and Development (MERGED) will train students to start inquiry and act by providing an **in-depth understanding of development opportunities and causal linkages**, thereby providing the building blocks for sustainable, holistic, and value-conscious solutions.

MERGED is thus an intense response to present global challenges, pursuing and combining the best teaching across borders, eliminating obstacles to collaboration, offering the best within the EU to promising students wanting to engage with global environment and development challenges. The green transition requires new ways of collaborating and working – a joint effort by a large number of stakeholders – and this is what MERGED and its global network of Associate Partners offer. MERGED is thus also a combined and collaborative response to the United Nation's resolution on Transforming our world: the 2030 Agenda for Sustainable Development (UN A/RES/70/1) and the European Commission's calls to achieving the European Education Area by 2025 (EC COM (2020) 625 final), on Learning for Environmental Sustainability (EC COM (2022) 11 final), for establishing a European Strategy for Universities (EC COM (2022) 16 final), the Council Resolution on a strategic framework for European cooperation in education and training towards the European Education Area and beyond (2021-2030; CR 2021/C 66/01), and the recommendation on

building bridges for effective European higher education cooperation (EC COM (2022) 17 final). MERGED acknowledges the need for the Green Erasmus+ to boost environment related action and the thinking behind the Marie Skłodowska-Curie Actions Green Charter. MERGED is an explicit example of deepened international cooperation within the EU and beyond, supporting the internationalisation of the participating universities and making them more globally competitive, and boosting EU's attractiveness as a study destination for global environment and development. The MERGED universities have developed and now **share a common long-term structural, sustainable, and systemic educational cooperation**, where students, staff, and researchers benefit from easy mobility across countries and institutions. MERGED ensures full transparency in curricula and qualifications across the participating partner universities. It creates graduates with interdisciplinary knowledge, direct sector exposure, practical field experiences, and specialised abilities to target sustainability problems and solutions.

The *general aim* of the MERGED programme is to create **globally competitive graduates that can identify critical aspects of renewable natural resource management** for economic, environmental, institutional, and societal development in the global north and south and develop appropriate and feasible solutions. MERGED will educate high-quality graduates to become professionals in private companies working with sustainable production and trade of renewable natural resources, such as the food and agro-industry; public companies and I/NGOs involved in developing, implementing, managing, and monitoring renewable natural resource-oriented programs and projects, including certification and value chains; government bodies involved in monitoring and/or policy-related activities; and universities and research institutions where graduates are involved in research, including PhD programmes. Through interdisciplinary and disciplinary, multicultural real-life experiences and laboratory experiments, students will learn to identify, analyse, understand, and forecast complex systems. MERGED was developed with all partners' full participation and is **fully integrated into the participating institutions** while operating jointly, from application assessment through selection to evaluation and graduation. We aim to develop and deliver the **first-ever joint degree across the participating partner universities**, and to build on the European criteria for the **award of a European Degree** label that are presently being developed in the EU.

MERGED encompasses all aspects of **renewable natural resource-related development activities**, from agricultural soil fertility management to rural livelihoods. The learning approach combines field-related experiences, first-hand development and use of data collection instruments in complex real-life situations, and discipline-based theoretical and methodological specialisations. MERGED combines: (i) an **interdisciplinary common part**, which includes training in methods for gathering data under a variety of field conditions combined with training in each step of the research process, (ii) an elective part that facilitates theoretical and methodological **specialisation**, and (iii) the **thesis**, which includes extensive fieldwork.

In general, the EU's EMJM programme aims to enhance the attractiveness and excellence of European higher education in the world and attract talents to Europe, through a combination of: (i) **institutional academic cooperation** to showcase European excellence in higher education, and (ii) **individual mobility** for all students taking part in the EMJM, with EU-funded scholarships for the best students. These aims are fully supported by MERGED. Specifically, MERGED is directly *relevant* to the objectives of the EMJM:

1. MERGED embodies the development of **quality, innovation, excellence, and internationalisation of universities through academic cooperation within the European Higher Education Area (EHEA) and beyond**. This is pursued as described in detail in this application by three universities in Denmark, Poland, and Italy and the global Associate Partner network, at all times emphasising joint goals and cooperation mechanisms. These are included in the Partner Agreement (attached to this text).
2. MERGED **increases the quality and attractiveness of the EHEA**. The three EU university partners are from the 4EU+ European University Alliance (see 4euplus.eu, a collaboration dedicated at the highest levels to increased and improved joint teaching) committed to deepening institutional collaboration – MERGED is the first joint master programme developed in the Alliance. The MERGED emphasis is on high quality teaching and attractive graduate employability.
3. MERGED **increases synergies between teaching, innovation, and research**: the master integrates ongoing research as well as non-educational partners into teaching modules, builds field-based teaching in collaboration with external partners (including from the network of Associated Partners), and requires all thesis work to be conducted with external partners. MERGED also innovates through development and implementation of new pedagogical practices, including using teachers from all partner universities on the same modules (harvesting comparative advantages while exchanging experiences). We also explicitly agree on what constitutes good teaching, e.g. as expressed in the MERGED Joint E-learning Policy. We thus embrace cooperation in innovative learning and teaching as a programme hallmark. We focus on student-centred learning and using diverse teaching and assessment methods.
4. MERGED strives to **improve the competences, skills, and employability of its graduates**. This is pursued through integrating non-educational partners into teaching, continuous build-up of student-employer networking (e.g. through field courses and excursions), balancing practical assignments and theoretical knowledge, and establishing facilitating networks such as the MERGED Alumni Network and implementing the annual End of Programme Employment Workshop.
5. MERGED is a **response to societal and labour market needs**. These were analysed at three levels (macro-level tendencies, employer feedback, and allied graduate tracer survey; see details below) with findings integrated into the programme design (e.g. choice of courses and learning outcomes).

Furthermore, we used **seven joint basic building blocks to construct the integrated MERGED programme**, considering the expertise and priorities of the participating institutions, the need for graduates in the environment-development field, and the visions for the European Higher Education Area as expressed in the Yerevan, Paris, and Rome Communiqués:

1. Innovation through enhancement of the quality and relevance of learning and teaching by closer coordination and collaboration between top universities in the European Union in this field and our global partnership network (our Associated Partners).
2. Innovation through simplicity and transparency, e.g. keeping mobility options clear and using standardised learning outcome descriptions to ensure transparency.
3. Deepening institutional interconnections, including promoting inter-institutional use of transparent learning outcomes, workload, teaching, and assessment methods. This will provide, among other things, uniform module descriptions across partner institutions.

MERGED is also committed to develop and deliver the first joint degree across the participating universities.

4. Increasing the global and European Union visibility and accessibility of higher education in environment and development – through our structured and integrated marketing and our reputation.
5. Increasing transparency and sharing – we adopt and plan to conduct a programme level accreditation in accordance with the European Approach to Quality Assurance of Joint Programmes. We pursue the first 4EU+ European University Alliance joint degree.
6. Acknowledging the need for inclusiveness – MERGED will implement an operational culturally responsive approach to teaching.

Applied interdisciplinary Living Lab thinking – in our teaching, students and faculties cooperate with sector stakeholders in the application of knowledge to real-world problems to solve societal challenges. This is at the heart of our joint first-year field course, in the requirement that all theses be conducted with host institutions, and in our general approach to developing and implementing our teaching, e.g. in integrating non-educational actors into teaching.

Following from the above analysis, the MERGED project rationale is thus a **tertiary education response to global and societal challenges**, pursuing and combining the best teaching across borders, eliminating obstacles to collaboration, offering the best within the EU to promising students wanting to engage with global environment and development challenges.

MERGED is a match between the changing environment-development labour market and the associated graduate skills, enabling private and public companies to acquire the people they need to address existing and emerging challenges. The MERGED needs analysis is four-tiered: (i) **macro-level tendencies** identified in large-scale employment assessments and calls for responses to these, (ii) **employer-level** feedback generated by the partners as part of the present proposal preparation – i.e., needs drawn from the employment ecosystem into which MERGED graduates will flow, (iii) **tracer survey** results on employment of graduates from allied programmes (parts of which MERGED is built upon), and (iv) an assessment of the existing allied **educational landscape** (what similar programmes are found). The findings of the four-tiered needs analysis:

1. **Macro-level tendencies.** We distinguish demand (employment forecasts) and supply (calls for educational responses) issues. Consider these in turn:
 - a. Demand-side issues. The employment consequences of the above outlined changes have been subject to a string of high-level analyses. The International Labour Organization (World Employment and Social Outlook 2018: Greening with jobs) estimates a rapidly increasing number of jobs related to sustainable environmental management, e.g. that implementing the Paris Agreement on Climate Change creates a net gain of 18 million jobs by 2030. In the European Union alone, there are about 15 million jobs linked to the protection of biodiversity and rehabilitation of natural resources. According to Eurostat (Environmental economy – statistics on employment and growth, 2022), employment in areas related to the environmental economy has increased 11.8% in all EU27 countries since 2010, with faster growth than in the overall economy. This excludes environment-development green jobs in related sectors (e.g. energy, agriculture, and tourism). The EC has pointed out that moving towards a more circular economy will increase GDP in the EU by an additional 0.5% in 2030 compared to the baseline case, a net increase of 700,000 jobs (report to DG Environment: The number of Jobs dependent on the Environment and Resource Efficiency). The Organisation for Economic Co-operation and Development

(OECD Environment Working Papers No 167) recently estimated a global generation of one million new jobs per year to 2040 in the environment-development sector from a transition to a more resource-efficient and circular economy. It is also noted that the European Commission's priorities until 2024 will create more environment-development jobs, in particular 'A European Green Deal' and 'An economy that works for people'. For instance, in line with the former, the European Commission has committed to transform the EU into a modern, resource-efficient and competitive economy with zero net greenhouse gas emissions by 2050. In addition, according to the international consultancy company Deloitte (2021, The most important trends shaping the ESG agenda), new EU regulations (the EU Taxonomy 2020/852 Regulation and the Non-Financial Reporting Directive 2014/95/EU) on corporate sustainability reporting will significantly increase the demand for specialists working with sustainability, socially responsible trade, the green economy including verified supply chains, and diversity officers.

- b. **Supply-side issues.** There is substantial international high-level calls for new university-level programmes that respond to the above challenges and their employment consequences. These include calls from the OECD (2018, Meeting policy challenges for a sustainable bioeconomy), the EU (e.g. 2017, On a renewed EU agenda for higher education; 2019, strengthening sustainable competitiveness, as set out in the European Green Deal), and the World Bank (2021, Steering Tertiary Education, reforms needed given the crucial role of universities in achieving equal, innovation-based, and green growth).
2. ***Employer-level feedback.*** To complement the above macro-level analysis, the MERGED university partners conducted surveys and discussion with national-level employers. These took place through face-to-face meetings with employer panels and using structured surveys. In total, 47 private and public employer companies and organisations (n=18 in Denmark, 14 in Poland, and 15 in Italy) participated. Their inputs were incorporated into the MERGED design and learning outcomes, including the demand-driven focus on increased and operational understanding of sustainability. The MERGED future employers were unanimous in their (i) recognition of the need for new graduates able to work interdisciplinarily at the environment-development interface, and (ii) support to the development and implementation of MERGED. The latter included a string of offers and commitments to contribute to specific teaching (e.g. on certification in sustainable trade chains) and providing student opportunities (e.g. hosting field courses and supplying topics for theses). Thus, the interdisciplinary MERGED curriculum has been co-designed with external stakeholders.
3. ***Graduate tracer survey.*** In order to gain further insights into employability, in January 2022 we conducted a tracer survey of recent graduates (n=93) in the most similar programme (the Danish MSc in Environment and Development). We found relevant employment for 98.9% of graduates, spanning the private (39%), public (49%), and international (10%) sectors. Private sector jobs are typically in trading companies and consultancy agencies with titles such as supply chain account manager and certification manager. Public sector jobs are either in ministries/departments or universities, e.g. as environmental specialists or policy officers, or PhD students and assistant professors. International sector jobs are in global organisations like FAO and the World Bank, e.g. as technical advisors. Interestingly, career paths were flexible across sectors, e.g. moving from public to private sector job (such as moving from the Ministry of Agriculture in Croatia to working for large consultancy company in Denmark). Some older graduates also end in key positions, e.g. Director at the World Resources Institute or Head of Programme at the European Environment Agency. The survey confirmed solid and wide graduate demand, and flexible and attractive careers.

4. ***Existing educational landscape.*** The aim of this survey was to assess the degree to which universities in the EU has already responded to the above challenges and calls – what similar master programmes exist? We online surveyed national-level programmes and international programme collaboration using combinations of search terms (development studies, international development, sustainable development, environmental studies, agricultural science) as well as established portals (including masterstudies.com, mastersportal.com, and the EMJMD catalogue) and focusing on two-year programmes offered in English. We found 15 programmes with some semblance of MERGED but all with distinctive differences: they typically focused on a subtopic (e.g., soils in the EMJM International Master of Science in Soils and Global Change, or value chains in the EMJM International Master of Science in Sustainable and Innovative Natural Resource Management), a narrow discipline (e.g., policy analysis such as the EMJM in Global Development Policy), a specific geographical area (e.g., the EMJM on European Interdisciplinary Master African Studies), or one field (e.g. social science while not integrating natural science such as the EMJM International Master of Science in Rural Development and the EMJM International Master's Programme on Circular Economy). In terms of academic content, the most similar programmes are the one-year master in Environment and Resource Management at the Vrije Universiteit Amsterdam and the MSc in Environmental Change and Global Sustainability at the University of Helsinki. However, these are structurally different from MERGED: the Vrije course is only one year and does not explicitly teach interdisciplinarity at the module level, while the Helsinki course is mono-institutional with no international mobility tracks or global network of partners. The most similar EMJM course is the Joint International Master in Sustainable Development; this course differs from MERGED in having much less focus on interdisciplinarity as a compulsory start component and by not focusing explicitly on issues at the environment-development nexus. **In conclusion, no other programme offers an interdisciplinary focus with natural and social sciences specialisation choices focused on the environment-development nexus and benefitting from the expertise of multiple partners.**

There is a need for knowledge, analytical rigour, and scholarly qualifications to address the above challenges, and MERGED aims to contribute by educating the next generation of committed professionals that will use their ideas and skills to create a tomorrow without unsustainable resource use. MERGED is one of very few MSc programmes in the European Union that recruits across disciplines and explicitly provides students with knowledge and skills to collaborate across the natural/social sciences. **MERGED is unique in educating graduates who can deal with interdisciplinary challenges at the nexus of renewable environmental resources and sustainable development.** The programme provides students with a theoretically sophisticated and empirically grounded understanding of the dynamic relations at this nexus.

We emphasise the importance of **interdisciplinary knowledge** and the ability to exercise it in practice. While natural science is essentially cumulative and universal, social science is inherently historical and contextual. This difference has produced countless misunderstandings. The mutual ignorance about the values of each other's knowledge standards, analytical perspectives and data, has been counter-productive. MERGED will train students in understanding how evidence is generated in social and natural sciences, using data from different scientific knowledge regimes, and developing solid methodological awareness, essential for their future interdisciplinary work. The programme will facilitate dialogue between researchers and practitioners concerning contemporary environment and development issues. Our initiative is COVID-19 robust: experiences from all three partner

universities demonstrate the ability of the involved teaching groups and administrations to develop new and feasible solutions in the face of rapid change.

We also note that **sustainability** is at the heart of MERGED. We build on the European idea of Enlightenment as recently expressed in connection to environmental resources by thinkers and doers such as Edward Wilson, Amartya Sen, and Hans Rosling.

Thus, the programme will produce graduates willing and able to engage with the challenges related to international production and trade of environmental and agricultural goods. As noted above, such graduates will find work in Danish, European, and international companies that source products, establish production, or invest in renewable natural resources, including in the global south – a graduate demand likely to increase with the globalisation of sourcing, particularly in end markets such as the European Union with a large and rising share of political consumers. Graduates will also find employment in European (and international) public and private institutions engaged in natural resources and environmental stewardship, national and international development organisations, and research institutions and universities.



EUROPEAN EDUCATION AND CULTURE EXECUTIVE AGENCY (EACEA)

EACEA.A – Erasmus+, EU Solidarity Corps
A.3 – Erasmus Mundus, Sport

Carsten SMITH HALL
KOBENHAVNS UNIVERSITET
NORREGADE 10
1165 KOBENHAVN
DENMARK

Subject: Erasmus+ Programme (ERASMUS)
Call: ERASMUS-EDU-2022-PEX-EMJM-MOB
Project: 101082117 — MERGED
GAP invitation letter

Dear Applicant,

I am writing in connection with your proposal for the above-mentioned call.

Having completed the evaluation, we are pleased to inform you that your proposal has passed this phase and that we would now like to start grant preparation.

Please find enclosed the evaluation summary report (ESR) for your proposal.

Invitation to grant preparation

Grant preparation will be based on the following:

1. **Project:**

Project number and name: 101082117 — MERGED

Topic: ERASMUS-EDU-2022-PEX-EMJM-MOB — Erasmus Mundus Joint Masters

Type of action: ERASMUS EMJM Unit Grants

Requested grant amount (proposal): 4 864 800.00 EUR

Maximum grant amount (after evaluation): 4 864 800.00 EUR

Project duration: 74 months

2. **Timetable and deadlines:**

Preparation of grant data and annexes: 3 weeks after receiving this letter

Declaration of honour (DoH): 3 weeks after receiving this letter

Signature: within 6 weeks after receiving this letter (planned date)

The grant agreement data and annexes (description of the action, estimated budget, etc.) must be based on the

proposal you submitted and the clarifications we requested (if any). You may normally NOT make changes to the project/project budget/consortium composition (except if required by us). Please immediately inform your project officer if you need to make a change (*e.g. bankruptcy, etc.*).

Once we have checked the information you have encoded, you will have 2 weeks to submit your final version — to bring it in line with our comments.

3. Participant Register

All partners participating as beneficiaries or affiliated entities must be registered and validated in the Participant Register.

Please note that some of your legal and financial data in this Register is read-only and can be updated only by a [LEAR](#) (via the Portal My Organisation(s) page). If you do not already have one, we will contact you soon for their nomination.

4. How to contact us

Project officer: Franz Thomas STEIDELE
Erasmus Mundus, Sport

Grant preparation and grant signature will be done exclusively through the Funding & Tenders Portal (login via your [Portal account](#)). The Portal allows you to upload documents, send Messages and Formal Notifications. Avoid contacting us via other means (email, letter, etc.); this will allow us to keep the full project file all in the same place.

Please note that affiliated entities cannot directly access the Portal Grant Management System; grant preparation will therefore have to be done by their beneficiaries for them.


5. Other

With regard to accreditation, we could not verify the start and end dates of the validity period for the degree awarded by “Uniwersytet Warszawski” (P3). Please provide any official supporting documents confirming the validity of this degree.

Furthermore, the Agency detected an inconsistency in the title of the master course offered by “Università degli Studi di Milano” (P3). In fact, the declaration of accreditation refers to “Laurea Magistrale in Scienze Agroambientali”, whereas in the list of magisters LM-73 refers to “Scienze et tecnologie forestali ed ambientali”. Please clarify which is the correct title of this master course.

You are requested to submit this additional information via the Project Communication Centre, once you are invited to initiate the Grant Agreement Preparation (GAP).

For more information on grant preparation, see the [Online Manual](#).

 Please note that this letter does **NOT** constitute a **formal commitment for funding**. The final decision on your project (including the grant amount to be awarded) can be taken only later, when we have finalised grant preparation and the checks that still need to be done (*LEAR appointment, legal entity validation, financial capacity assessment, non-exclusion check, ethics review, security review, etc.*).

We will try to proceed as swiftly as possible, but we rely on your good cooperation. If you do not reply to our requests or repeatedly miss grant preparation deadlines, we will consider that you are no longer interested in our grant (and reject your proposal).

Further technical information will follow in a separate communication, including recommendations on how to prepare your grant agreement.

The Executive Agency organizes a kick-off meeting for newly selected projects every year. We

would like to inform you that the 2022 EMJM Coordinators' kick-off will be organized around early December 2022. As coordinator, you are expected to participate. Additional information will follow in due time.

I would be grateful if you could inform everyone involved in your proposal of this letter.

For any questions, please contact us via your [Funding & Tenders Portal account](#).

Yours faithfully,

Yves LE LOSTECQUE
Head of Unit

Proposal Evaluation Form



EUROPEAN COMMISSION

Erasmus+ Programme (ERASMUS)

Evaluation Summary Report

Call: ERASMUS-EDU-2022-PEX-EMJM-MOB
 Type of action: ERASMUS-EMJM-UN
 Proposal number: 101082117
 Proposal acronym: MERGED
 Duration (months): 74
 Proposal title: Master of Science (MSc) in Global Environment and Development
 Activity: ERASMUS-EDU-2022-PEX-EMJM-MOB

N.	Proposer name	Country	Total Cost	%	Grant Requested	%
1	KOBENHAVNS UNIVERSITET	DK	0	-	4,864,800	100.00%
2	UNIWERSYTET WARSZAWSKI	PL	0	-	0	0.00%
3	UNIVERSITA DEGLI STUDI DI MILANO	IT	0	-	0	0.00%
4	Tribhuvan University, Institute of Forestry	NP	0	-	0	0.00%
5	Cambodia Development Resource Institute	KH	0	-	0	0.00%
6	BAHIR DAR UNIVERSITY	ET	0	-	0	0.00%
7	FUNDACAO UNIVERSIDADE DE BRASILIA	BR	0	-	0	0.00%
8	CSIR-FORESTRY RESEARCH INSTITUTE OF GHANA	GH	0	-	0	0.00%
9	Ziemia i Ludzie	PL	0	-	0	0.00%
10	Fundacja Planet / Planet Foundation	PL	0	-	0	0.00%
11	CCC	PL	0	-	0	0.00%
12	ISTITUTO COOPERAZIONE ECONOMICA INTERNAZIONALE ASSOCIAZIONE	IT	0	-	0	0.00%
13	NARODOWA FUNDACJA OCHRONY SRODOWISKA	PL	0	-	0	0.00%
14	MUZEUM PALACU KROLA JANA III W WILANOWIE	PL	0	-	0	0.00%
15	UNIVERSIDAD MAYOR DE SAN SIMON	BO	0	-	0	0.00%
16	McGill University-Macdonald Campus	CA	0	-	0	0.00%
17	Université de Thiès	SN	0	-	0	0.00%
18	4EU+ EUROPEAN UNIVERSITY ALLIANCE E.V.	DE	0	-	0	0.00%
19	ROYAL UNIVERSITY OF BHUTAN	BT	0	-	0	0.00%
20	NEPCON FMBA	DK	0	-	0	0.00%
Total:			0		4,864,800	

Abstract:

The general aim is to create globally competitive graduates who can identify critical aspects of renewable natural resource management for economic, environmental, institutional, and societal development and develop appropriate and feasible solutions. MERGED graduates will become professionals in private and public companies, I/NGOs, government bodies, and research institutions. They benefit from interdisciplinary knowledge, direct sector exposure, practical field experiences, specialised abilities to target sustainability problems, and thus high employability. MERGED is unique in educating graduates who can deal with interdisciplinary challenges at the nexus of renewable environmental resources and sustainable development. MERGED was developed with all partners' full participation and fully integrated into the participating institutions while operating jointly, from application assessment through selection to evaluation and graduation. We aim to deliver the first-ever joint degree across the partner universities and the 4EU+ European University Alliance.

MERGED is offered by the University of Copenhagen, Faculty of Science; the University of Warsaw, Centre for Environmental Studies and Sustainable Development; and the Università degli Studi di Milano, Department of Agricultural and Environmental Sciences. All are partners in the 4EU+ Alliance and are committed to simultaneously deepening teaching collaboration, enhancing teaching quality, and increasing collaboration. We collaborate with a strong global Associate Partner network. MERGED acts globally to promote a European vision of the environmental-development nexus, enhancing EHEA attractiveness through the programme's reputation, innovative teaching approaches, integrated cross-country and cross-institutional collaboration, and the career profiles of graduates. Experiences are directly available to others through programme-level tools and explicit documentation and sharing of collaboration lessons learned.

Evaluation Summary Report

Evaluation Result

Total score: 87.00 (Threshold: 70)

Criterion 1 - RELEVANCE

Score: **27.00** (Threshold: 22/30.00 , Weight: -)

The detailed criteria are set out in the call conditions (see Call document).

The rationale for this proposal is clearly described and convincingly justified. The general objectives of the proposed Joint Master of the Global Environment and Development are well defined. The specific objectives are properly elaborated with clear milestones and deliverables. This master programme is well designed to encompass, in an integrated way, all aspects of renewable natural resource-related development activities. The uniqueness of this EMJM is properly demonstrated however only compared to master programmes undertaken in European universities and not around the world, which is minor shortcoming. Clear information is presented to demonstrate how this project will work towards achieving the policy objectives of the EHEA and promote the European vision of the environmental-development nexus. Societal and

labor market needs for proposed profile of graduates are convincingly presented by providing results of a very professionally performed needs analysis, based on strategic goals in the field, tendencies observed, interviews of employers and surveys. High demand on educational profile is confirmed and high employability is expected.

The proposed programme will promote innovation in the field and increase the EHEA competitiveness and attractiveness. However, specific support to modernisation and internationalisation strategies of the partner HEIs is not sufficiently developed, although effects for all HEIs in general are well identified.

Criterion 2.1 QUALITY — PROJECT DESIGN AND IMPLEMENTATION

Score: **25.00** (Threshold: 0/30.00 , Weight: -)

The detailed criteria are set out in the call conditions (see Call document).

The proposed EMJM convincingly demonstrates high level of jointness. The EMJM curriculum is clearly-articulated around the partner universities' existing master's programmes, and the HEIs' complementary high skills are well demonstrated. The teaching approach is well conceived and contains innovative elements, including the combination of theory and joint fieldwork and using new technologies in teaching and learning practices. The organisation of the study periods and student mobility is well developed around different specialisation tracks. Methods for assessing the achievement of learning outcomes are well described, and fieldwork is considered appropriate during all phases of the programme. The mutual recognition of the learning outcomes and credits is well described and formalised in the partnership agreement. The programme will issue double degrees signed by the two involved HEIs, but also commitment to establish a joint degree is expressed. The joint selection and the admission procedure are well defined. The mechanisms for performance assessment, methods of examination and thesis defence are well described and based on the national regulations of the concerned HEIs. The project provides a concise outline of the Student Agreement governing the course rules and the student rights and obligations for academic, administrative, and financial aspects. All relevant information is provided to students in advance and during their mobility periods. The proposal has set up adequate administrative support through local international offices and local coordinators. However, the proposal does not go into enough detail on how invited scholars will contribute to the design and development of the programme, some courses, and create new collaborations, which is a minor shortcoming. Special arrangements for students with special needs are stated at each HEI, but they are not specified. Both internal and external quality assurance measures are well designed. The curriculum fully adheres to the Standards for Quality Assurance of Joint Programmes in EHEA. The project team consists of highly qualified and effective academic and non-academic staff able to ensure the success of the programme. Potential risks are well defined and convincing mitigation measures are proposed.

Criterion 2.2 QUALITY — PARTNERSHIP AND COOPERATION ARRANGEMENTS

Score: **17.00** (Threshold: 0/20.00 , Weight: -)

The detailed criteria are set out in the call conditions (see Call document).

The partners have previous experience in Erasmus Mundus programmes, and all of them are members of the 4EU+ European University Alliance, which is positive for improving teaching collaboration and enhancing the teaching quality of the EMJM. The partner institutions' expertise is sufficiently described and their academic complementarity is well demonstrated. The benefits of the programme on the consortium partners are convincingly demonstrated, notably in terms of teaching, expanding funding, and networking through engagement and interaction with non-educational actors. Cooperation arrangements, governing bodies and management tools are well designed and expected to be effective. The roles and responsibilities of these bodies, as well as their operational functions, have been thoroughly explained. However, the direction for project implementation decision-making has not been sufficiently clarified. Despite the institutional commitment to the EMJM's implementation, the draft Partnership Agreement for the EMJM's effective management does not entirely align with the information presented in the proposal, which is a shortcoming.

Criterion 3 - IMPACT

Score: **18.00** (Threshold: 0/20.00 , Weight: -)

The detailed criteria are set out in the call conditions (see Call document).

The consortium has identified credible impacts at the system, institutional, and individual levels, with a particular focus on employability, which is positive. Measures to promote employability within the scope of the project and in collaboration with the associated partners are well defined and potentially rigorous. Student projections during the period of funding are clearly explained. However, the rationale behind the number of students to be enrolled under the different categories is not sufficiently addressed.

The promotion strategy of the EMJM to attract excellent students worldwide is adequately explained. The dissemination measures are sufficiently described and the role of each partner, including associated partners and students, in the promotion of the programme is clearly explained. Suitable measures are proposed to ensure that EU financing is visible and recognised, which is positive.

The modalities of financial management in the consortium are adequately described. The partners' contribution to the programme implementation and sustainability at mid/long-term is significant and diverse. To support the proposed programme, valuable potential opportunities to mobilise complementary funding are addressed.

Scope of the proposal

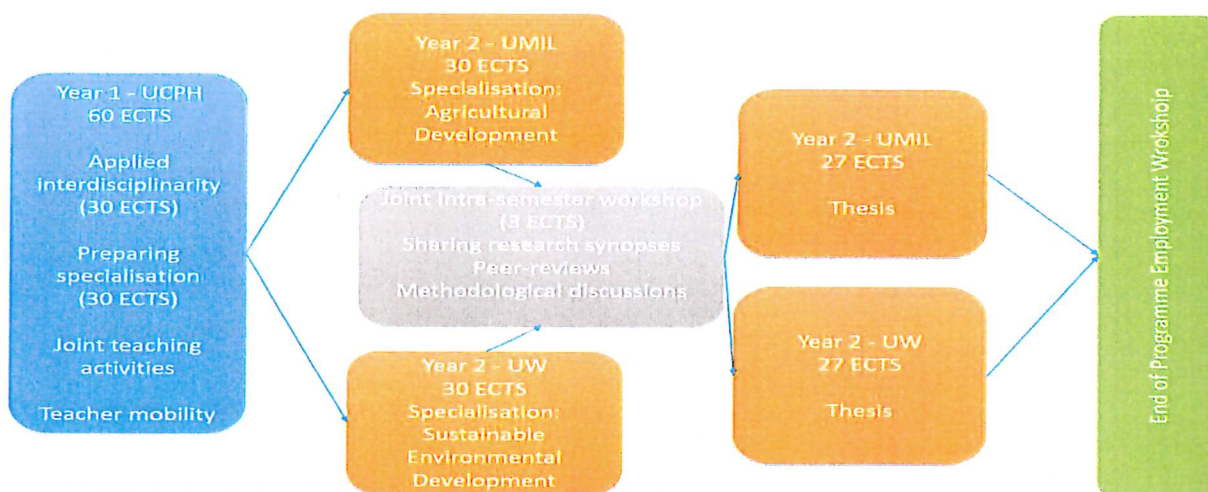
Status: **Yes**

Comments (in case the proposal is out of scope)

Not provided

Bilag 1.5: Grafisk Illustration af Erasmus Mundus Joint Master in Global Environment and Development.

Uddannelsens struktur er angivet i nedenstående figur:



Bilag 1.6: Uddannelsens generelle kompetenceprofil

Som beskrevet i Erasmus Mundus-ansøgning til EU vil kandidaterne tilegne sig og kunne demonstrere følgende "specific learning outcomes:

Knowledge about:

Key theories and current debates related to environment and development; Key field data collection methods (in both natural and social science fields); Critical aspects of working at the environment-development nexus; A philosophy of science basis for interdisciplinary and intercultural research and work across the social and natural sciences.

Skills in/to:

Apply and assess own knowledge, skills, and competencies in relation to complex, interdisciplinary problems; Work in interdisciplinary and intercultural groups; Apply selected methods in the field; Analyse the validity and reliability of different types of natural and social science data; Explore, understand, and challenge their disciplinary boundaries; Identify, analyse, and communicate a research question from a complex setting to broader audiences, both professionals and non-professionals, at a variety of levels, using modern and appropriate information and communication tools; Apply intellectual, practical, numeracy, communication, information and communication technology, interpersonal/teamwork, self-management and professional development skills; Analyse and interpret different forms of data to generate consistent conclusions.

Competencies in/to:

Critically reflect on and discuss approaches to environment and development questions; Reflect on the benefits and challenges related to practising interdisciplinarity; Reflect on case-level results and generalise these to broader discussions and issues; Display the competence, behaviour, and attitudes required in professional working life, including the ability to work in interdisciplinary and intercultural teams in both the private and public sectors; Communicate clearly, concisely, and confidently in spoken and written format, including field-based reports to meet the objectives of multitudinous stakeholders; Develop the independent learning skills necessary for the foundation of lifelong learning.

Additional learning outcomes for students completing the second year natural science specialisation at the University of Milano:

Knowledge about:

Current research and advanced theories in relation to agriculture and development; Natural science approaches to describe and characterise agricultural- and ecological systems and analyse key aspects in relations to productivity, resilience, and sustainability.

Skills in/to:

Research planning, data collection, and using a range of field methods and data analysis techniques; Link and harmonise agricultural activities with environmental conditions; Critically identify sustainability issues in relation to agricultural development.

Competences in/to:

Plan and implement agricultural interventions in a professional capacity in private sector companies, government bodies, non-governmental organisations, research institutions, or development agencies; Display independence and integrity, as well as awareness of ethical and moral questions related to agriculture and ecology and take these into account when working in different cultural settings; Continuously acquire new skills and knowledge when working in complex field settings as well as in interdisciplinary teams in intercultural environments.

Additional learning outcomes for students completing the second year social science specialisation at the University of Warsaw:

Knowledge about:

Social science theories and concepts related to analysing and understanding challenges at the nexus of environment and development at micro and macro levels; The theoretical basis of qualitative and quantitative data collection methodology, including interviews, questionnaires, surveys, and rapid appraisal techniques.

Skills in/to:

Undertake high quality quantitative and qualitative data collection on the environment and sustainable development; Apply principles, theories, and frameworks to case studies and critically engage in research and debates related to environmental resource governance and sustainable development.

Competences in/to:

A thorough and interdisciplinary ability to analyse processes of change in relation to environmental resources and sustainable development; The skills to identify, formulate, and operationalise interventions that are relevant to environmental resources and sustainable development in particular locations.”

Bilag 1.7.

**AGREEMENT
for the
Erasmus Mundus Joint Master (EMJM)
in
Global Environment and Development
(MERGED)**

(Herein after called the Agreement)

1. Parties to the Agreement

- 1.1. This Agreement is relating to the setting up of an Erasmus Mundus Joint Master (EMJM) programme in Global Environment and Development (MERGED) by a Consortium made of three of the Universities participating in the 4EU+ University Alliance (www.4eu+.org).
- 1.2. The Merged Consortium is made of the following 4EU+ Partner Universities:
 - The University of Copenhagen (UCPH), Faculty of Science, Department of Food and Resource Economics, Denmark
 - Università degli Studi di Milano (UMIL), Department of Agricultural and Environmental Sciences - Production, Landscape, Agroenergy, Italy
 - The University of Warsaw (UW), University Centre for Environmental Studies and Sustainable Development, Poland
- 1.3. This Agreement is established under the general framework of the Parties' policies and procedures for joint programmes and sets out the nature of the relationship between the Parties and their respective obligations. It is based on the Grant Agreement No xxxx-xxxx signed between the Parties and EACEA representing the European Commission.

2. Collaboration and responsibilities of the MERGED Consortium

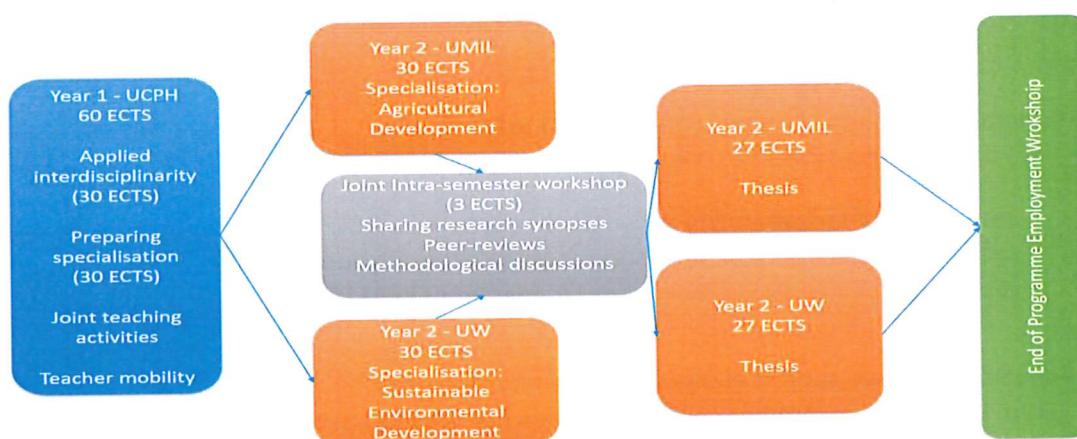
- 2.1. Starting from the academic year 2023-2025, the Partner Universities agree to offer the MERGED EMJM in accordance with their national legislation and general requirements of the Erasmus+ EMJM action.
- 2.2. Responsibility for implementation of the two-year (120 ECTS) Master of Science programme rests with Partner Universities.
- 2.3. In the event of a Partner university withdrawing from the MERGED Consortium, the MERGED Commission (see section 6) shall manage a phased withdrawal, respecting the interests of all enrolled students.

3. Academic programme and structure

- 3.1. The MERGED Programme comprises a first year of study (60 ECTS) at UCPH followed by a second year of study (60 ECTS) at either UMIL or UW.
- 3.2. All students are admitted at UCPH, subject to the University capacity.
- 3.3. The agreed capacity for the EMJM in Global Environment and Development is 40 students annually. With a planned equal distribution between specialisations.
- 3.4. For the second year of studies (60 ECTS), each student chooses a specialisation to be completed at either UMIL or UW.
- 3.5. The following specialisations are available: UMIL: Agricultural Development; UW: Sustainable Environmental Development.
- 3.6. All students start together and complete their first year in Copenhagen, learning interdisciplinarity (30 ECTS) and preparing for their Agricultural Development (natural science) or Sustainable Environmental Development (social science) specialisation (30 ECTS).

In the first year, each partner institution's relative teaching and research expertise is brought into play through joint teaching on modules totaling 30 ECTS: all partner institutions jointly participate in module design, development, and delivery. This includes students and academic staff from all partner institutions getting together in data collection during the field module (15 ECTS).

The students then split into the two lines of specialisation: the Agricultural Development in Milano and the Sustainable Environmental Development in Warsaw. The first half of the second year is module work, while a combination of a joint intra-semester workshop focused on peer-reviewing thesis synopses and joint reflection on method choices and the thesis work constitutes the second half before the graduates are together for the final time at the two-day End of Programme Employment Workshop (non-credit giving).



3.7. The study plan of the MERGED Programme is as follows:

Agricultural Development (with the second year of study at UMIL)

The specialisation is set at 120 ECTS and consists of the following:

- Compulsory subject elements, 45 ECTS.
- Restricted elective subject elements, 45 ECTS.
- Intra-semester workshop and thesis, 30 ECTS.

Compulsory subject elements (University of Copenhagen)

All of the following subject elements are to be covered (30 ECTS):

- Practising Interdisciplinarity (7,5 ECTS)
- Environment and Development - from Theory to Practice (7,5 ECTS)
- Thematic Course: Interdisciplinary Land Use and Natural Resource Management (15 ECTS)

Restricted elective subject elements (University of Copenhagen)

30 ECTS are to be covered as subject elements from the following list:

- Plant Nutrition and Soil Fertility (7.5 ECTS)
- Advanced Crop Production (7,5 ECTS)
- Plant Infection and Disease Management (7.5 ECTS)
- Tropical Crop Production (7.5 ECTS)
- Applied Statistics (7,5 ECTS)
- Agroforestry (7.5 ECTS)
- Applied Insect Ecology and Biological Control (7.5 ECTS)
- Climate Management in Plant Production and Research (7.5 ECTS)
- From Plants to Bioenergy (7.5 ECTS)
- Soil Biology (7.5 ECTS)
- Environmental Impact Assessment (7.5 ECTS)
- Life Cycle Assessment within Biological Production Systems (7.5 ECTS)
- Project in practice (15 ECTS)

Compulsory subject elements (University of Milano)

All of the following subject elements are to be covered (15 ECTS):

- Laboratory of sustainability in livestock systems (5 ECTS)
- Laboratory of sustainability in agricultural mechanization (5 ECTS)
- Laboratory of sustainability in water management (5 ECTS)

Restricted elective subject elements (University of Milano)

15 ECTS are to be covered by subject elements from the following list:

- Experimental methodologies in agriculture (6 ECTS)
- Biomass and waste recycling (6 ECTS)
- Environmental impact of agro-food production systems (4 ECTS)
- Agro-environmental analysis and modelling (6 ECTS)
- Energy for agriculture (6 ECTS)
- Plant disease and pest management (6 ECTS)
- Cropping systems (8 ECTS)
- Natural resources economics (6 ECTS)
- International cooperation and crop-livestock systems (6 ECTS)
- Characterization and management of animal and plant genetic resources (6 ECTS)
- Adaptation of livestock systems to climate change (6 ECTS)

Thesis

The EMJM Programme in Global Environment and Development with a specialisation in Agricultural Development includes a thesis corresponding to 30 ECTS, including an intra-semester workshop (3 ECTS). The thesis must be written within the academic scope of the

programme. The thesis must be based on empirical field work. The fieldwork can be combined with an internship at international organisations, NGOs, universities, or similar.

Sustainable Environmental Development (with the second year of study at UW)

The specialisation is set at 120 ECTS and consists of the following:

- Compulsory subject elements, 45 ECTS.
- Restricted elective subject elements, 45 ECTS.
- Intra-semester workshop and thesis, 30 ECTS.

Compulsory subject elements (University of Copenhagen)

All of the following subject elements are to be covered (30 ECTS):

- Practising Interdisciplinarity (7,5 ECTS)
- Environment and Development - from Theory to Practice (7,5 ECTS)
- Thematic Course: Interdisciplinary Land Use and Natural Resource Management (15 ECTS)

Restricted elective subject elements (University of Copenhagen)

30 ECTS are to be covered as subject elements from the following lists:

- Applied Ethnobotany (7,5 ECTS)
- Political Ecology (7,5 ECTS)
- Land Use Transitions in the Global South (7,5 ECTS)
- Applied Econometrics (7,5 ECTS)
- Tropical Forests, People, and Policies (7,5 ECTS)
- Livelihoods and Environmental Change (7,5 ECTS)
- Participatory Natural Resource Governance (7,5 ECTS)
- Globalisation and Dynamics in Global Value Chains (7,5 ECTS)
- Human Adaptation to Climate Change and Variability (7,5 ECTS)
- Qualitative Methods: From Interviews and Observation to Analysis (7,5 ECTS)
- Rural-Urban Transformations in the Global South (7,5 ECTS)
- Critical Development Studies (7,5 ECTS)
- Agricultural Value Chains in Developing Countries (7,5 ECTS)
- Environmental Justice (7,5 ECTS)

Compulsory subject elements (University of Warsaw)

All of the following subject elements are to be covered (15 ECTS):

- Global problems in the contemporary world (4 ECTS)
- Emerging Sustainable Development Law (4 ECTS)
- Sustainable Development Economics (4 ECTS)
- Measuring, Evaluating and Reporting Sustainability and Innovation (3 ECTS)

Restricted elective subject elements (University of Warsaw)

15 ECTS are to be covered as subject elements from the following list:

- Innovation and knowledge (4 ECTS)
- Global Justice and Human Rights (6 ECTS)
- Challenges of the Social Dimension of Sustainability (3 ECTS)
- Research Study (8 ECTS)
- International Environmental Law (3 ECTS)
- Entrepreneurship, Leadership & CSR (3 ECTS)
- Reclamation, Remediation and Renaturalisation of the Environment (2 ECTS)
- The World at the Crossroads (2 ECTS)
- Communication, Education and Cooperation (3 ECTS)
- Climate Change (3 ECTS)

Thesis

The MSc Programme in Global Environment and Development with a specialisation in Sustainable Environmental Development includes a thesis corresponding to 30 ECTS, including and intra-semester workshop (3 ECTS). The thesis must be written within the academic scope of the programme. The thesis must be based on empirical field work. The fieldwork can be combined with an internship at international organisations, NGOs, universities, or similar.

4. Joint admission, enrolment and registration

4.1. The application procedure for MERGED will be made through an online application platform operated by the Coordinating Institution, UCPH.

4.2. Admission requirements:

Applicants with a Bachelor's degree in the following are directly academically qualified for admission to the EMJM in Global Environment and Development:

- Agricultural Economics, Animal Science, Anthropology, Biochemistry, Biology, Biotechnology, Economics, Food and Nutrition, Geography and Geoinformatics, Natural Resources, Sociology or within the fields of natural or social science from the University of Copenhagen.
- Professional Bachelor's degree in Forestry and Landscape Engineering from the University of Copenhagen.
- Biology, biotechnology, geology, agronomy, economy or other natural or social science bachelor's from the University of Milano.
- Applied Sociology and Social Anthropology, Applied geology, Biology, Biotechnology, Economics, Geography, Geophysics in Geology, Interdisciplinary Economic-Managerial Studies, Psychology, Sociology from University of Warsaw.
- Agrobiology, Agriculture, Agricultural Economics, Animal Science, Anthropology, Biochemistry, Biology, Biotechnology, Development Studies, Economics, Environmental Science, Food Science, Forestry, Nutrition, Geography, Natural

- Resources, Natural Science, Rural Development, Sociology or within the fields of natural or social science from other Danish, Italian, Polish or international universities.
- Bachelor's degree in related areas from international universities.

4.3. Language requirements:

Applicants must as a minimum document English language proficiency via an IELTS overall test score 6.5, TOEFL IBT 83, Cambridge Advanced (CAE) or Cambridge Proficiency (CPE) passed at level C1 or C2.

4.4. Students shall be subject to the general rules and regulations (including any disciplinary regulations) of the Partner Universities for elements (courses, modules, etc.) of the MERGED Master Programme delivered by them.

5. Diploma awarded

5.1. The MERGED EMJM Programme leads to the award of a double degree.

5.2. Degrees to be awarded by Partner Universities respectively are as follows:

- UCPH: Cand. Scient. i globale naturressourcer og udvikling/MSc in Global Environment and Development
- UMIL: Laurea Magistrale in Global Environment and Development.
- UW: Magisterium na Kierunku Global Environment and Development/MSc in Global Environment and Development

6. MERGED Commission

6.1. To secure coordination of administrative and academic procedures, the Consortium partners agree to establish a MERGED Commission as the executive body of the Consortium.

6.2. The MERGED Commission is made up of one member of staff per Partner University and one elected non-voting student representative. One administrative (support) staff from each Partner University will participate in MERGED Commission meetings.

6.3. The member of staff representing the Coordinator (UCPH) is chair of the MERGED Commission.

6.4. In its decision making the MERGED Commission shall seek consensus. In the event that consensus is not possible decisions shall be made by simple majority, and in the event of a tie vote the Coordinator's vote shall prevail.

6.5. The MERGED Commission shall meet at least twice a year to review the effectiveness of the MERGED EMJM implementation and to propose further actions.

6.6. The MERGED Commission will work in close relation with the Coordinator and both will work closely with administrative staff at all Partner Universities.

6.7. The MERGED Commission will also work in close relation with relevant local bodies, e.g., Study Board at UCPH, Collegio Didattico at UMIL and any local bodies in Warsaw.

6.8. The MERGED Commission is responsible for all aspects of the MERGED Programme including but not limited to academic quality, programme integration issues, course management, all financial issues, student selection and distribution of scholarships.

6.9. The MERGED Commission may also invite guest-participants to its meetings to represent local interests and constraints if deemed necessary.

- 6.10. The MERGED Commission may appoint sub-committees and delegate tasks such as quality assurance to a sub-committee.

7. Academic standards and quality assurance

- 7.1. The Parties have overall responsibility for the academic standards and quality of the MERGED Programme delivered under this Agreement; this responsibility is exercised through the MERGED Commission.
- 7.2. The Parties recognize the equivalence of each Party's quality assurance (QA) procedures.
- 7.3. The Parties are responsible for the quality of the whole MERGED Programme and will therefore apply their quality assurance procedures fully to the overall MERGED Programme; recognising the results of the quality assurance protocols applied by each Party to the parts of the MERGED Programme that are executed at that Party's site.
- 7.4. In order to ensure that the high quality of the MERGED Programme is maintained and enhanced to the satisfaction of the Parties it is agreed that the outcomes of the MERGED Programme will be evaluated on a regular basis.
- 7.5. The MERGED Commission will monitor the Party-specific evaluation practices and analyze them with respect to their implications for the MERGED Programme.
- 7.6. The MERGED Commission may also develop improvements to the curriculum.

8. Financial Management

- 8.1. The MERGED economy is based on the following three components:
- A. EU Erasmus Mundus student scholarships to be awarded throughout the duration of the Grant Agreement between EACEA and the University of Copenhagen.
 - B. EU Erasmus Mundus contribution to institutional costs for the implementation of the MERGED programme
 - C. Student participation cost
- 8.2. Based on these three components, the following financial distribution principles apply for the MERGED consortium:

A. EU Erasmus Mundus student scholarships

EU Erasmus Mundus student scholarships are distributed to students accepting a MERGED offer for admission and are selected for a MERGED Erasmus Mundus student scholarship.

The distribution of the EU Erasmus Mundus student scholarships is performed in compliance with Erasmus Mundus student scholarship regulations set by EU.

B. EU Erasmus Mundus contribution to institutional costs

EU's contribution to institutional costs for the implementation of the EMJM MERGED programme takes the form of a unit cost.

The maximum contribution to the institutional cost is: 750 Euros/month x DR x NRES
Where:

- DR = max. duration in months of the Master Programme (i.e. 24 months)
- NRES = number of enrolled students (scholarship and non-scholarship holders) foreseen for the entire duration of the grant agreement.

Note that for the calculation of the MERGED grant, NRES will be capped at 118 (including earmarked scholarships for targeted regions of the world).

The unit cost contribution includes staff costs (teaching, travel), invited guest lecturers, promotion, dissemination, organisational costs, insurance coverage for enrolled students, student services, coordination and administrative costs, and all other costs necessary to implement the MERGED programme successfully – cf. Erasmus+, Erasmus Mundus programme guide 2022.

From the institutional contribution from EU UCPH/UW/UMIL have agreed to allocate 250 Euros/month x DR x capped NRES to the MERGED consortium (budget cf. annex A). Whereas 500 Euros/month x DR x the capped NRES is allocated to UCPH/UW/UMIL respectively, in accordance with set students' enrolment in first and second year study components as registered in ECTS.

Funds in EURO will be distributed to the MERGED consortium and to UCPH/UW/UMIL annually (in October/November) according to the following principle:

	1st year study (60 ECTS)		2nd year study (60 ECTS)			
	UCPH		UW		UMIL	
Student category	EU	Non-EU	EU	Non-EU	EU	Non-EU
EU funds to be distributed to partner institutions	6000	6000	6000	6000	6000	6000
EU funds to be allocated to the MERGED Consortium	3000	3000	3000	3000	3000	3000

C. Student participation cost

In compliance with EU's Erasmus Mundus regulation Erasmus Mundus student scholarship holders cannot be charged participation costs.

Subject to formal approval by the coordinator (UCPH) and partner institutions (UW/UMIL), the MERGED Commission shall annually set the level of participation costs to be charged from Erasmus Mundus non-student-scholarship holders.

The price setting of participation costs for Erasmus Mundus non-student scholarship holders must reflect individual institutions national legal framework vis-à-vis participation cost/tuition fee policy.

For the edition 2023-2025, the participation costs for Non-EU (Erasmus+ Partner Country) students for the two-year MERGED programme is set at € 9,000/year. For the edition 2023-2025, the participation costs for EU (Erasmus+ Programme Country) students for the two-year MERGED programme is set at € 0/year.

From the MERGED Consortium an amount corresponding to the **official** annual tuition fee/participation cost will be distributed annually (in October/November) to each partner institution, in accordance with set students' enrolment in first and second year study components as registered in ECTS.

The official tuition fee in Euro per student for the 2023-2025 student intake at UCPH/UW/UMIL respectively is as follows:

	1st year study (60 ECTS)		2nd year study (60 ECTS)			
University	UCPH		UW		UMIL	
Student category	EU	Non-EU	EU	Non-EU	EU	Non-EU
Official tuition fee/participation cost	0	14780	0	4000	0	4000

The level of tuition fee/participation cost can be adjusted annually (in October) by suggestion of the MERGED Commission to the relevant authorities of UCPH/UW/UMIL or by suggestion of the relevant authority at UCPH/UW/UMIL to the MERGED Commission.

9. Intellectual Property

- 9.1. Any and all Intellectual Property Rights belonging to any of the Parties created prior to the commencement date of this Agreement shall continue to vest in that Party. Any and all Intellectual Property Rights created by or on behalf of any Party from the commencement date arising during the performance of this Agreement shall belong to the Party or such third party creating the Intellectual Property Rights on behalf of that Party.

10. Dispute resolution

- 10.1. Day-to-day operations will be conducted between staff of each Party and their counterparts within the other Parties. It is in these interactions that disputes may initially become apparent. All disputes which shall at any time arise between any of the Parties which cannot be resolved by the staff concerned shall be referred to the signatories of this Agreement or their successors and they shall seek to resolve the dispute.
- 10.2. If any dispute arises out of this Agreement which is not settled within 60 days of the referral mentioned in Clause 10.1 the Parties involved will attempt to settle the dispute by arbitration.
- 10.3. To initiate arbitration a Party must give notice in writing to the other Party or Parties of the dispute requesting arbitration in accordance with Clause 10.2.
- 10.4. Any disputes arising under or in connection with this Agreement shall be referred by the Parties to arbitration by an arbitrator jointly appointed by the Parties involved. In the event that there is no agreement on the choice of arbitrator, each Party involved in the dispute shall select a member of professorial staff from a university of their choice, which university shall not be a Party to this Agreement. These professors will agree upon an independent chairman willing to act. The arbitrators will seek a solution acceptable to the Parties involved and failing that will make a recommendation which the Parties may accept or reject.
- 10.5. No Party may commence any court proceedings in relation to any dispute arising out of this Agreement until they have attempted to settle it by arbitration and that arbitration has terminated.

11. Notices

- 11.1. Any notices given under this Agreement must be in writing in the English language and shall be delivered personally or sent by first-class prepaid post (or airmail, in the case of notices to or from overseas) or facsimile, or other electronic means.
- 11.2. Notices shall be deemed to have been received:

- if delivered by hand, on the day of delivery if it is the recipient's business day and otherwise on the first business day of the recipient immediately following the day of delivery;
 - if sent by first class prepaid post (or airmail, if appropriate), on the third business day (or on the tenth business day, in the case of airmail) after the day of posting;
 - if sent by facsimile or other electronic means, if transmitted between 09.00 and 17:00 hours on a business day (recipient's time) on completion of receipt by the sender of verification of the transmission from the receiving instrument or if transmitted at any other time, at 09.00 on the first business day (recipient's time) following the completion of receipt by the sender of verification of the transmission from the receiving instrument.
- 11.3. Notices shall be sent to the following postal address or to the following e-mail:

Coordinator: EMJM in Global Environment and Development (MERGED)
 Att.: Carsten Smith-Hall
 Department of Food and Resource Economics
 Rolighedsvej 23
 1958 Frederiksberg C

MERGED@ifro.ku.dk

12. Counterparts

- 12.1. This Agreement may be executed in any number of counterparts all of which taken together shall constitute one and the same instrument. Any Party to this Agreement may enter into the agreement intended to be evidenced by this Agreement by executing any such counterpart. The agreement intended to be evidenced by this Agreement shall only take effect when a counterpart has been executed by all the Parties to this Agreement.

13. Language, applicable law and venue

- 13.1. The proper language for this Agreement is English. All notices, demands or communications, under or in connection with this Agreement shall be in English and any legal proceedings shall be conducted in English.
- 13.2. The settlement of any difference or conflict arising from or in connection with this Agreement shall be attempted by an amicable effort of the Parties, cf. Clause 10.
- 13.3. This Agreement shall be construed in accordance with and governed by the laws of Belgium excluding its conflict of law provisions.
- 13.4. All disputes arising out of or in connection with this Agreement, which cannot be solved amicably, shall be finally settled by the competent courts of Brussels, Belgium.

14. Terms and Termination

- 14.1. This Agreement shall commence on 1 December 2022 and shall end on 1 December 2028
- 14.2. The MERGED Commission may require a Partner University to terminate its commitment to this Agreement if a Partner University persistently does not fulfil its obligations and requirements outlined in this Agreement.
- 14.3. The Partner Universities shall each be entitled to terminate their commitment to this Agreement through a phased withdrawal, for any reason, by giving at least a 12 month notice in writing to the MERGED Commission prior to 31 August of any year.
- 14.4. Any party wishing to terminate its commitment shall agree upon a phased withdrawal plan, during which its legal obligations to each student must be analysed and assessed. If the party cannot honour its commitment to students, arrangements must be made to transfer the obligations to another Partner University. This might involve a transfer of funds.

15. Processing of personal data by parties to this agreement

- 15.1. The three Partner Institutions must process personal data in compliance with applicable EU (i.e. the General Data Protection Regulation – GDPR) and national law on data protection (including authorisations or notification requirements).
- 15.2. They may grant their personnel access only to data that is strictly necessary for implementing, managing and monitoring the agreement.
- 15.3. They must adopt appropriate technical and organisational security measures having regard to the risks inherent in the processing and to the nature of the personal data concerned.
- 15.4. This, in order to:
- prevent any unauthorised person from gaining access to computer systems processing personal data, and especially:
 - unauthorised reading, copying, alteration or removal of storage media;
 - unauthorised data input as well as any unauthorised disclosure, alteration or erasure of stored personal data;
 - unauthorised use of data processing systems by means of data transmission facilities;
 - ensure that authorised users of a data processing system can access only the personal data to which their access right refers;
 - record which personal data have been communicated, when and to whom;
 - ensure that personal data processed on behalf of third parties can be processed in compliance with data protection requirements;
 - ensure that, during communication of personal data and transport of storage media, the data cannot be read, copied or erased without authorisation;
 - design their organisational structure in such a way that it meets data protection requirements.
- 15.5. Each party is considered separate datacontroller. However, where two or more controllers jointly determine the purposes and means of processing, they shall be joint

controllers. They shall in a transparent manner determine their respective responsibilities for compliance with the obligations under the general data protection regulation, in particular as regards the exercising of the rights of the data subject and their respective duties to provide the necessary information under Article 13 or 14 of the said Regulation by means of an arrangement between them unless, and in so far as, the respective responsibilities of the controllers are determined by Union or Member State law to which the controllers are subject. The arrangement may designate a contact point for data subjects.

- 15.6. The arrangement referred to in paragraph 15.5 shall duly reflect the respective roles and relationships of the joint controllers vis-à-vis the data subjects. The essence of the arrangement shall be made available to the data subject.
- 15.7. Irrespective of the terms of the arrangement referred to in paragraph 15.5, the data subject may exercise his or her rights under the general data protection Regulation in respect of and against each of the controllers.
- 15.8. Where a Party processes any Personal Data under this Agreement on behalf of another Party, the parties shall enter into a legally binding data processing agreement.

16. Signatures

Date:

Name: Katrine Krogh Andersen
Dean, Faculty of Science, University of Copenhagen

Date:

Name: Sambor Grucza
Vice-rector for cooperation and human resources, University of Warsaw

Date:

Name: Elio Franzini
Rector, University of Milano

Rektor Henrik C. Wegener

Kære Henrik C. Wegener

På baggrund af gennemført prækvalifikation af Københavns Universitets ansøgning om godkendelse af ny uddannelse er der truffet følgende afgørelse:

Godkendelse af Erasmus+ kandidatuddannelse i Global Environment and Development (København)

Afgørelsen er truffet i medfør af § 20, stk. 1, nr. 1, i bekendtgørelse om akkreditering af videregående uddannelsesinstitutioner og godkendelse af videregående uddannelser (nr. 1558 af 2. juli 2021 med senere ændring).


Det er en forudsætning for godkendelsen, at uddannelsen og dennes studieordning skal opfylde uddannelsesreglerne, herunder bekendtgørelse nr. 247 af 13. marts 2015 om universiteternes internationale uddannelsesforløb (international uddannelsesbekendtgørelse) og bekendtgørelse nr. 35 af 13. januar 2022 om adgang til universitetsuddannelser tilrettelagt på heltid (universitetsadgangsbekendtgørelsen).

Da Københavns Universitet er positivt institutionsakkrediteret, gives godkendelsen til umiddelbar oprettelse af uddannelsen.

Ansøgningen er blevet vurderet af Det rådgivende udvalg for vurdering af udbud af videregående uddannelser (RUVU). Vurderingen er vedlagt som bilag.

Vedlagt i bilag er desuden uddannelsens grundoplysninger. Ved spørgsmål til afgørelsen eller de vedlagte grundoplysninger kan Uddannelses- og Forskningsstyrelsen kontaktes på pkf@ufm.dk.

Med venlig hilsen



Christina Egelund

17. januar 2023

**Uddannelses- og
Forskningsministeriet**

Børsgade 4
Postboks 2135
1015 København K
Tel. 3392 9700
ufm@ufm.dk
www.ufm.dk

CVR-nr. 1680 5408

Ref.-nr.
22/42640-5

Bilag: 1 – RUVU's vurdering af ansøgningen
2 – Følgrebrev fra Uddannelses- og Forskningsstyrelsen med
uddannelsens grundoplysninger

**Uddannelses- og
Forskningsministeriet**

Bilag 1. RUVU's vurdering af ansøgningen

Nr. A5 – Ny uddannelse – prækvalifikation (Efterår 2022)		Status på ansøgningen: Godkendt	
Ansøger og udbudssted:	Københavns Universitet (København)		
Uddannelsestype:	Erasmus+ kandidatuddannelse		
Uddannelsens navn (fagbetegnelse):	Global Environment and Development		
Den uddannedes titler på hhv. da/eng:	<ul style="list-style-type: none">- Cand.scient. i globale naturressourcer og udvikling- Master of Science (MSc) in Global Environment and Development		
Hovedområde:	Naturvidenskab	Genansøgning: (ja/nej)	Ja
Sprog:	Engelsk	Antal ECTS-point:	120 ECTS-point
Link til ansøgning på pkf.ufm.dk:	https://pkf.ufm.dk/flows/b01924ab75899bf4a6015764780ffcdb		
RUVU's vurdering på møde d. 24. oktober 2022:	<p>RUVU vurderer, at ansøgningen opfylder kriterierne som fastsat i bilag 4 i bekendtgørelse om akkreditering af videregående uddannelsesinstitutioner og godkendelse af videregående uddannelser (nr. 1558 af 2. juli 2021 med senere ændring).</p> <p>RUVU har bemærket, at der er tale om en Erasmus Mundus uddannelse, og at der er tale om en genansøgning fra efteråret 2021.</p> <p>I den indsendte ansøgning er der vedlagt en egentlig aftager- og behovsanalyse, hvilket der ikke fremgik af den tidligere ansøgning. RUVU finder, at undersøgelsen dokumenterer et behov for dimittender både nationalt og internationalt.</p> <p>RUVU bemærker dog, at den ansøgte uddannelse er tæt beslægtet med en uddannelse, som KU i forvejen udbyder, og at denne uddannelse er ledighedsbaseret dimensioneret. RUVU hæfter sig ved, at der er tale om en Erasmus Mundus uddannelse, som forventes primært at optage internationale studerende, og at internationale studerende på Erasmus Mundus uddannelser er undtaget fra reglerne om dimensionering. Derudover noterer RUVU sig, at KU peger på, at den ansøgte uddannelse vil bidrage til at skabe muligheder for international mobilitet og specialisering på den allerede eksisterende kandidatuddannelse.</p>		

**Uddannelses- og
Forskningsministeriet**

Bilag 2 – Uddannelses- og Forskningsstyrelsens grundoplysninger

Hovedområde:

Uddannelsen hører under det naturvidenskabelige hovedområde.

Titel:

Efter reglerne i uddannelsesbekendtgørelsens § 29 fastlægges uddannelsens titel til:

- **Engelsk:** Master of Science (MSc) in Global Environment and Development

Udbudssted:

København.

Sprog:

Ministeriet har noteret sig, at uddannelsen udbydes på engelsk.

Uddannelses- og
Forskningsministeriet

Normeret studietid:

Efter reglerne i uddannelsesbekendtgørelsens § 28, fastlægges uddannelsens normering til 120 ECTS-point.

Takstindplacering:

Uddannelsen indplaceres til: Takst 3

Aktivitetsgruppekode: 5400

Koder Danmarks Statistik:

UDD: 5612

AUDD: 5612

Censorkorps:

Ministeriet har noteret sig, at uddannelsen tilknyttes censorkorps for Jordbrugsvidenskab.

Adgangskrav:

Jf. § 28 i bekendtgørelse nr. 35 af 13. januar 2022 om adgang til universitetsuddannelser tilrettelagt på heltid (adgangsbekendtgørelsen) er følgende bacheloruddannelser adgangsgivende til uddannelsen:

- Antropologi, biokemi, biologi, bioteknologi, fødevarer og ernæring, geografi og geoinformatik, husdyrvidenskab, miljø- og fødevareøkonomi (tidl. jordbrugsøkonomi), naturressourcer, sociologi, økonomi fra Københavns Universitet.
- Biologi, bioteknologi, geologi, landbrugsvidenskab, økonomi eller anden samfundsvidenskabelig bacheloruddannelse fra Milano Universitet.
- Applied Sociology and Social Antropology, Applied geology, Biology, Biotechnology, Economics, Geography, Geophysics in Geology, Interdisciplinary Economic-Managerial Studies, Psychology, Sociology fra Warszawa Universitet.

- Agrobiologi, agronomi, antropologi, biokemi, biologi, bioteknologi, fødevarevidenskab, ernæring, geografi, husdyrvidenskab, jordbrugsøkonomi, landskabsudvikling, naturressourcer, miljøvidenskab, skovbrugsvidenskab, sociologi eller anden samfundsvidenskabelig bacheloruddannelse, udviklingsstudier, økonomi fra et andet europæisk eller internationalt universitet.

Efter en konkret faglig vurdering kan der desuden optages ansøgere, hvis bacheloruddannelse indeholder mindst 60 ECTS inden for et af følgende fagområder: Antropologi, biologi, fødevarevidenskab, geografi, landbrugsvidenskab, miljø, naturressourcer, sociologi, skovbrug, udviklingsstudier, økonomi.

Sprogkrav:

Ud over eksamensbeviser skal ansøgning indeholde dokumentation for engelsk sprogkundskaber (efter universitetsadgangsbekendtgørelsens § 36) i form af TOEFL-test med et testresultat på mindst 83 eller IELTS-test med et testresultat på mindst 6,5. Cambridge English Advanced (bedømmelse A, B og C) samt Cambridge English First (bedømmelse A) accepteres ligeledes, som dokumentation for engelsk sprogkundskab.

Uddannelses- og
Forskningsministeriet