

EKLIPSE 2nd call for requests

(Closing October 2nd 2017)



Table 1: Summary

	Short question	Type of institution	Affiliation	Score	Items for discussion with the SAB	Work package
4	How are European energy policies affecting biodiversity and ecosystem services in countries globally?	Research	Centre for Development and Environment University of Bern	1/2	To our knowledge there is little evidence on this issue - horizon scanning and gap analysis, or knowledge synthesis? Is SAB aware of grey literature/policy reports on this issue? Is SAB aware of existing EU-level SDG activities/relevant stakeholders this request could feed into/support?	WP3 (knowledge synthesis)
12	What are the main knowledge gaps hampering effectiveness and possible integration existing approaches (including different governance systems and approaches) to restore ecosystem biodiversity, function and services?	Research funder	BiodivERsA Coordinator and CEO	1/2	Potential topic for future Biodiversa call - but knowledge gaps relating to restoration is a huge topic: focus on specific ecosystems, or specific approaches? Issue for WP4 rather than WP3? Bill Sutherland currently doing a horizon scan on restoration, IPBES will do a review of degradation. Is SAB aware of other ongoing activities on this issue? What would be the added value of EKLIPSE in this request?	WP3 or WP4 (knowledge synthesis and/or knowledge gap identification)
5	Research and knowledge on biodiversity and ecosystem services: From global to European level, and vice versa	Government	European Commission DG R&I	1/2	What should be the scope of this request? CBD, SBSTTA, IPBES? Currently too broad - what should the priorities be? What aspects of the science-policy links across scales are working, or could work?	Cross WPs?

9	Identify methodologies for the assessment of the effectiveness of measures to protect biodiversity, as required in 6th National Reports under the CBD;	European Institution	European Commission DG ENV	1/2	Is this not covered by the Habitats and Birds Directives reporting measures? Would EKLIPSE be doing what the EC and MSs should be doing, or rather informing MSs on how it should be done?	WP3 (knowledge synthesis)
10	Collect evidence on combined impacts which are reinforcing and further exacerbating the overall impact; eg invasive species impact under changing climate or impact of several invasive species or chemical impact under changing climate etc ...;	European Institution	European Commission DG ENV	1/2	Is SAB aware of other projects/initiatives that have looked at this topic of combined effects (e.g. ECA, IPBES etc)? Could think other processes such as knowledge synthesis followed by Delphi processes?	WP3 (knowledge synthesis)
8	Investigate and gather methodologies (existing and under development) for designing SMART targets or SMART commitments to follow-up on the Aichi Targets, whilst ensuring coherence with the SDGs;	European Institution	European Commission DG ENV	2	Is SAB aware of other processes exploring this issue (e.g. German government)?	? SAB opinion useful
11	Investigate in positive and negative feedback loops of ecosystems contributing to regulating climate;	European Institution	European Commission DG ENV	3	Do the IPCC report and ECA assessment cover this topic sufficiently? What would be the added value of EKLIPSE?	WP3 (knowledge synthesis)

7	What are the ecosystem service benefits of peatland restoration, how a wider range of services be evaluated and effectively communicated, and based on these findings, how best can post-Brexit agricultural and environmental policy support sustainable peatland management and restoration?	NGO	IUCN UK Peatland Programme	3	UK and post-brexit dimension, but could be opened up to the European context to focus on peatlands? Would it make sense to set up an expert group in an already set up framework? What would be the added value, especially after IUCN peatland initiative?	WP3 (knowledge synthesis) or WP6?
2	How can the EU help and motivate the Bulgarian government to establish policies that promote recycling and reuse of Municipal Solid Waste?	Private sector	MD of Kremesti Environmental Consulting Ltd	3	Could this be opened up to European context? What are links with biodiversity and ecosystem services - could be done in scoping? Could strengthen links with Eastern Europe. Doesn't necessarily fit with EKLIPSE focus - but could open to new avenues. Science cafe - but capacity risks with agri science cafes next year.	WP6
1	How can we implement all the recommendations from EKLIPSE reports	Research	CESAM & University of Aveiro	4	Not up to us to ensure our outputs are implemented.	
6	What the short-term effects (genotoxicity) of exposure to mobile-phone radiofrequency radiations (RFR) can be, and what the long-term consequences of exposure to them, both in terms of human health effects and of environmentally exposed organisms.	Research	Università di Roma Tor Vergata	4	Covered by the ongoing EMR request.	

3	Are EMF-RF harmful for the ecosystems, and especially the honeybees ?	NGO	Dr. phil. nat. / independent researcher / Ephiscience /President of the non-profit organisation Alerte aux Ondes Electromagnétiques (www.alerte.ch)	4	Covered by the ongoing EMR request.	
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by

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Abstract

Policy and other societal actors are invited to identify topics or evidence needs relating to biodiversity and ecosystem services and of EU policy relevance, requiring in-depth analysis and a consolidated view from science and other knowledge holders. We particularly encourage the building of consortia representing policy, research, NGOs or individual applications from policy or other societal actors.

Please note that EKLIPSE calls for requests relate to in-depth analysis and consolidated views from different actors. For quick responses not requiring in-depth analysis, why not try AskOppla (<http://oppla.eu/ask-oppla>)?

Before starting the application process, please read carefully the call for requests (on the EKLIPSE website: <http://www.eklipse-mechanism.eu/>), the eligibility criteria as well as the following instructions. To answer the call, please fill out this Google form and submit it before 2nd October 2017. Please note that the form does not save your answers after each section has been completed. In order to continue editing your form at a later date, you will need to add text to all mandatory fields and submit the form. Once the form has been submitted, you will be emailed instructions on how to edit your application.

IMPORTANT: please provide us with a working email address on your form, otherwise you will not be emailed details on how to edit your form.

Inquiries: If you need help or more information during the application process, please feel free to contact secretariat@EKLIPSE-mechanism.eu

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1. How can we implement all the recommendations from EKLIPSE reports

Affiliation CESAM & University of Aveiro

Type of institution Research

What type of knowledge does your request relate to? Please refer to the Call for Requests for more information. Scenario building to analyse future events, Seeking understanding of changes in time and space, Seeking measures of anthropogenic impact, Seeking measures of effectiveness of interventions

Short description of your request - this short description will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) NA

Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) local and regional environmental and planning policies

What are the objectives of your request? Science and technical knowledge

What format would be most useful in terms of outputs? reports and GIS

By when would you need the results of your request? end of 2018

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc Maybe

Which sectors and societal groups will be affected by or will benefit from your request and how? local and regional technicians and policy -makers

Is your request controversial in terms of the evidence or perceptions/values/opinions? No

If you have answered yes or maybe, please provide more details here (-)

What is the geographic scale of your request? Specific country or site

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. Portugal

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why? NO

Do you have any initial thoughts on the steps and timeline for your request? NO

What type of information or data is relevant and required to address your request? Qualitative data

What sources of knowledge should be included to answer your request? Scientific knowledge, Technical know-how

1. How can we implement all the recommendations from EKLIPSE reports

What existing knowledge, relevant to your request, are you aware of? Anecdotal, case studies, information presented by stakeholders, Relevant research outputs

Please list any publications or literature relevant to your request (-)

Any other relevant information you would like to share? (-)

Sharing your request on the EKLIPSE Forum - we encourage requesters to allow the EKLIPSE Secretariat to share their request via the EKLIPSE KNOCK Forum to allow forum participants to discuss the topics put forward in the request, find common ground and potentially create consortia. The only information shared on the Forum will be your affiliation, the short description of your request and its policy context. I do not allow the Secretariat to post my affiliation, short description and policy context of my request on the Forum

If you have replied yes or maybe to any resources available, please specify here We have researche assistants that can help/ participate in diferentes task like: literature reviews, work on case-stydies, mapping - GIS support; and policies analysis.

2. How can the EU help and motivate the Bulgarian government to establish policies that promote recycling and reuse of Municipal Solid Waste?

2. How can the EU help and motivate the Bulgarian government to establish policies that promote recycling and reuse of Municipal Solid Waste?

Affiliation MD of Kremesti Environmental Consulting Ltd

Type of institution Private sector

What type of knowledge does your request relate to? Please refer to the Call for Requests for more information. Seeking appropriate methodologies

Short description of your request - this short description will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) Bulgaria is way behind other Eu countries in Recycling and reuse policies at the government and local level. How can the EU help the BG government to modernize its environmental policies to stimulate recycling as well as resource recovery. For example most Municipal Solid Waste in Bulgaria goes to landfill when it can be recycled and its resources recovered.

Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) Environmental Ministry in Bulgaria

What are the objectives of your request? What concrete policies and plans does the BG MOE have to implement recycling and MSW resource recovery technologies in the near future?

What format would be most useful in terms of outputs? word document

By when would you need the results of your request? ASAP

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc Yes

Which sectors and societal groups will be affected by or will benefit from your request and how? Society at large

Is your request controversial in terms of the evidence or perceptions/values/opinions? Yes

If you have answered yes or maybe, please provide more details here The Bulgarian MOE is not very effective in implementing and supporting private environmental initiatives

What is the geographic scale of your request? Specific country or site

2. How can the EU help and motivate the Bulgarian government to establish policies that promote recycling and reuse of Municipal Solid Waste?

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. Bulgaria

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why? We need to stimulate public discussion and knowledge of recycling and resource recovery technologies in Bulgaria

Do you have any initial thoughts on the steps and timeline for your request? 1 year. Initial step is meeting with the MOE. Followed by contacts with media to stimulate roundtable discussions on technologies for recycling and resource recovery.

What type of information or data is relevant and required to address your request? Quantitative data

What sources of knowledge should be included to answer your request? Scientific knowledge, Indigenous and local knowledge

What existing knowledge, relevant to your request, are you aware of? Anecdotal, case studies, information presented by stakeholders, Data from surveys and/or monitoring etc

Please list any publications or literature relevant to your request published private research on kremesti.com site on local recycling and recovery activities in Bulgaria

Any other relevant information you would like to share? (-)

Sharing your request on the EKLIPSE Forum - we encourage requesters to allow the EKLIPSE Secretariat to share their request via the EKLIPSE KNOCK Forum to allow forum participants to discuss the topics put forward in the request, find common ground and potentially create consortia. The only information shared on the Forum will be your affiliation, the short description of your request and its policy context. I allow the Secretariat to post my affiliation, short description and policy context of my request on the Forum

If you have replied yes or maybe to any resources available, please specify here I am self funded

3. Are EMF-RF harmful for the ecosystems, and especially the honeybees ?

Affiliation	Dr. phil. nat. / independent researcher / Ephiscience /President of the non-profit organisation Alerte aux Ondes Electromagnétiques (www.alerte.ch)
Type of institution	NGO

What type of knowledge does your request relate to? Please refer to the Call for Requests for more information. Seeking measures of anthropogenic impact

Short description of your request - this short description will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) Mobile phone companies and policy makers point to studies with contradictory results and usually claim that there is a lack of scientific proof of adverse effects of electromagnetic fields on animals. I am suggesting to perform an experiment on bees, which clearly shows the adverse effects of electromagnetic fields on these insects' behavior. The experiment should be reproduced by other researchers so that the danger of manmade electromagnetism (for bees, nature and thus humans) ultimately appears evident to anyone.
<https://www.jscimedcentral.com/Behavior/behavior-2-1010.php>

Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) No idea, yet

What are the objectives of your request? To provide proofs that the non-thermal effects on living organisms of EMF-RF are effective.

What format would be most useful in terms of outputs? No idea, yet

By when would you need the results of your request? As soon as possible

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc No

Which sectors and societal groups will be affected by or will benefit from your request and how? The society as a whole will be affected

Is your request controversial in terms of the evidence or perceptions/values/opinions? Yes

If you have answered yes or maybe, please provide more details here Some mobile phone companies and policy makers won't be very happy to let perform such experiments.

What is the geographic scale of your request? All of Europe

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. (-)

3. Are EMF-RF harmful for the ecosystems, and especially the honeybees ?

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why? An other practical approach would be the following one :

<https://www.jscimedcentral.com/Behavior/behavior-2-1006.php>

Do you have any initial thoughts on the steps and timeline for your request? No

What type of information or data is relevant and required to address your request? Qualitative data, Quantitative data, Statistical analyses

What sources of knowledge should be included to answer your request? Scientific knowledge, Indigenous and local knowledge, Technical know-how, Opinions and values

What existing knowledge, relevant to your request, are you aware of? Data from surveys and/or monitoring etc, Research outputs that may be limited in scale, scope or relevance, Relevant research outputs

Please list any publications or literature relevant to your request

<https://link.springer.com/article/10.1007%2Fs13592-011-0016-x>
and references therein.

<http://www.sciencedirect.com/science/article/pii/S0160412012002334?via%3Dihub>
and references therein.

https://www.researchgate.net/publication/241538484_BEES_BIRDS_AND_MANKIND
and references therein.

<https://www.hindawi.com/journals/bmri/2015/234098/>
and references therein.

Any other relevant information you would like to share? Not yet

Sharing your request on the EKLIPSE Forum - we encourage requesters to allow the EKLIPSE Secretariat to share their request via the EKLIPSE KNOCK Forum to allow forum participants to discuss the topics put forward in the request, find common ground and potentially create consortia. The only information shared on the Forum will be your affiliation, the short description of your request and its policy context. I allow the Secretariat to post my affiliation, short description and policy context of my request on the Forum

If you have replied yes or maybe to any resources available, please specify here No, because I am an independent researcher

4. How are European energy policies affecting biodiversity and ecosystem services in countries globally?

4. How are European energy policies affecting biodiversity and ecosystem services in countries globally?

Affiliation Centre for Development and Environment University of Bern

Type of institution Research

What type of knowledge does your request relate to? Please refer to the Call for Requests for more information. Horizon scanning, Seeking understanding of changes in time and space, Seeking measures of anthropogenic impact, Seeking measures of effectiveness of interventions, Seeking appropriate methodologies, Seeking optimal management, Understanding public opinions and/or perceptions, Seeking people's understanding of an issue

Short description of your request - this short description will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) The scientists mandated to draft the Global Sustainable Development Report 2019 (GSDR) seek a better understanding of the telecoupling effects of the EU's low carbon energy policy on biodiversity and ecosystem services in countries globally, from an SDG perspective through two questions.

1- What are the SDG targets that the EU energy policy tries to pursue (also indirectly) and what are the systemic trade-offs and co-benefits that are created beyond the territorial boundaries, where, at what scale, and who are the affected winners and losers?

2- What policies and governance mechanisms could remedy these impacts; or in hindsight, how could one have chosen pathways to more sustainable development? This information will be used to feed the science-policy interface of the GSDR to inform policy.

Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) EU 2030 Energy Strategy

What are the objectives of your request? 1. To produce synthesized knowledge on the effect of a low-carbon energy policy on biodiversity and ecosystem services beyond the EU boundaries

2. To better understand the mechanisms by which energy policy interconnects with biodiversity and ecosystems services in an unforeseen way

3. To inform policy makers, scientists, UN state members on the above issues and provide policy-oriented solutions to anticipate and mitigate these issues

What format would be most useful in terms of outputs? 1- Expert judgements, opinions and accounts supported as much as possible by scientific publications

2- When possible, taking an SDG interaction perspective based on the ICSU guide to

4. How are European energy policies affecting biodiversity and ecosystem services in countries globally?

interactions <https://www.icsu.org/publications/a-guide-to-sdg-interactions-from-science-to-implementation>, identifying SDG targets directionality, scale, type of countries (OECD, transitioning, developing, LDCs)

3- Providing a transformative pathway for policy, when solutions exist

By when would you need the results of your request? 31 August 2018 (but intermediary results that could be provided as soon as possible would be welcome)

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc Yes

Which sectors and societal groups will be affected by or will benefit from your request and how? EU policy makers, societies and local communities in the countries affected, scientific communities needing synthesised knowledge on EU energy policy impacts on biodiversity and ecosystems services.

Is your request controversial in terms of the evidence or perceptions/values/opinions? Yes

If you have answered yes or maybe, please provide more details here Low carbon energy policy supporting renewable energy raises questions on tradeoffs impacts such as:

-Biofuels vs. land use for biodiversity, food

-Windmills vs. land use, birds

-Biomass fuel vs. deforestation

-Solar energy vs. manufacturing hazards, land use and habitat loss, concentration of thermal solar plants

While these tradeoffs are widely acknowledged, the weight of their impact and consequences on decision making remains poorly understood.

What is the geographic scale of your request? Specific country or site

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. The impact of EU's energy policy may affect several countries globally.

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why?

Expert judgements, opinions and short accounts supported by scientific publications. We need a scientific validation of the knowledge we will process.

Do you have any initial thoughts on the steps and timeline for your request? An open call may be published first, out reaching to scientific and policy communities. Their contributions could be received and treated until the end of August 2018. However, to absorb as many contributions for the GSDR, we would appreciate a dialogue with the research teams on any intermediate results as soon as possible.

What type of information or data is relevant and required to address your request? Economic information, Qualitative data, Quantitative data

What sources of knowledge should be included to answer your request? Scientific knowledge, Indigenous and local knowledge, Opinions and values

4. How are European energy policies affecting biodiversity and ecosystem services in countries globally?

What existing knowledge, relevant to your request, are you aware of? Research outputs that may be limited in scale, scope or relevance

- Please list any publications or literature relevant to your request**
1. Gabrielle, B., Bamiere, L., Caldes, N., De Cara, S., Decocq, G., Ferchaud, F., Loyce, C., Pelzer, E., Perez, Y., Wohlfahrt, J., Richard, G., 2014. Paving the way for sustainable bioenergy in Europe: Technological options and research avenues for large-scale biomass feedstock supply. *Renew. Sustain. Energy Rev.* 33, 11-25. doi:10.1016/j.rser.2014.01.050
 2. Lupp, G., Steinhäusser, R., Bastian, O., Syrbe, R.-U., 2015. Impacts of increasing bioenergy use on ecosystem services on nature and society exemplified in the German district of Gorlitz. *Biomass Bioenergy* 83, 131-140. doi:10.1016/j.biombioe.2015.09.006
 3. Vaissiere, A.-C., Levrel, H., Pioch, S., Carlier, A., 2014. Biodiversity offsets for offshore wind farm projects: The current situation in Europe. *Mar. Policy* 48, 172-183. doi:10.1016/j.marpol.2014.03.023
 4. Zaman, K., Awan, U., Islam, T., Paidi, R., Hassan, A., bin Abdullah, A., 2016. Econometric applications for measuring the environmental impacts of biofuel production in the panel of worlds' largest region. *Int. J. Hydrog. Energy* 41, 4305-4325. doi:10.1016/j.ijhydene.2016.01.053

Any other relevant information you would like to share? (-)

Sharing your request on the EKLIPSE Forum - we encourage requesters to allow the EKLIPSE Secretariat to share their request via the EKLIPSE KNOCK Forum to allow forum participants to discuss the topics put forward in the request, find common ground and potentially create consortia. The only information shared on the Forum will be your affiliation, the short description of your request and its policy context. I allow the Secretariat to post my affiliation, short description and policy context of my request on the Forum

If you have replied yes or maybe to any resources available, please specify here Research assistant

5. Research and knowledge on biodiversity and ecosystem services: From global to European level, and vice versa

5. Research and knowledge on biodiversity and ecosystem services: From global to European level, and vice versa

Affiliation European Commission

Type of institution Government

What type of knowledge does your request relate to? Please refer to the Call for Requests for more information. Seeking greater understanding or predictive power, Seeking appropriate methodologies, Understanding public opinions and/or perceptions, Seeking people's understanding of an issue

Short description of your request - this short description will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) Strategic analysis to understand on how global science-policy processes on biodiversity and ecosystem services could concretely be translated into European research and innovation policy, and the other way round, how best European research and innovation policy processes and results (projects, knowledge, scientific capacity) could strategically feed into global processes at CBD, SBSTTA, IPBES. (This can be shared with the KNOCK forum at a later stage, not at this moment).

Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) At global intergovernmental level, CBD decisions (based on SBSTTA recommendations) and IPBES assessments all recommend to further work on knowledge gaps, to undertake research, or to invest in tools and capacity building. These research needs have not yet been analysed on their priorities for the European research policy, and neither has a process been started to systematically organise results of European research into global settings. (This can be shared with the KNOCK forum at a later stage, not at this moment).

What are the objectives of your request? To organise a process with relevant players on the steps forward in better linking European and Global science and policy on biodiversity and ecosystem services.

What format would be most useful in terms of outputs? To co-organise a 1-day forum, discussing the steps forward in better linking European and Global science and policy. EKLIPSE would advise on process and methodologies, and organise the interactions between the participants.

By when would you need the results of your request? First quarter 2018, before 17/03/18.

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc Yes

5. Research and knowledge on biodiversity and ecosystem services: From global to European level, and vice versa

Which sectors and societal groups will be affected by or will benefit from your request and how? Global and European biodiversity policy and research communities, science-policy interfaces.

Is your request controversial in terms of the evidence or perceptions/values/opinions? Maybe

If you have answered yes or maybe, please provide more details here Different stakeholders in this process will not have the same priorities, and see their possible tasks differently. Competition between organisations possible.

What is the geographic scale of your request? All of Europe

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. (-)

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why? Approach should feed into 1-day forum, and/or build on its outcomes.

Do you have any initial thoughts on the steps and timeline for your request? Main output should be linked to 1-day forum in Q1 2018.

What type of information or data is relevant and required to address your request? Process-oriented information

What sources of knowledge should be included to answer your request? Scientific knowledge, Technical know-how, Opinions and values

What existing knowledge, relevant to your request, are you aware of? Anecdotal, case studies, information presented by stakeholders, Research outputs that may be limited in scale, scope or relevance, Decisions at global level. European policy agenda.

Please list any publications or literature relevant to your request Grey literature: CBD decisions. SBSTTA recommendations. IPBES assessments. Mapping and analysis of these documents by FutureEarth, BiodivERSA, BfN. European research policy (Horizon 2020, FP9). European biodiversity policy. Methodologies and approaches on how to organise the requested discussion.

Any other relevant information you would like to share? This request will evolve in the following months. At a future stage, it can be shared at the KNOCK forum.

Sharing your request on the EKLIPSE Forum - we encourage requesters to allow the EKLIPSE Secretariat to share their request via the EKLIPSE KNOCK Forum to allow forum participants to discuss the topics put forward in the request, find common ground and potentially create consortia. The only information shared on the Forum will be your affiliation, the short description of your request and its policy context. I do not allow the Secretariat to post my affiliation, short description and policy context of my request on the Forum

If you have replied yes or maybe to any resources available, please specify here Providing available information material, co-organisation of logistics for 1 day forum, (limited) travel support.

6. What the short-term effects (genotoxicity) of exposure to mobile-phone radiofrequency radiations (RFR) can be, and what the long-term consequences of exposure to them, both in terms of human health effects and of environmentally exposed organisms.

6. What the short-term effects (genotoxicity) of exposure to mobile-phone radiofrequency radiations (RFR) can be, and what the long-term consequences of exposure to them, both in terms of human health effects and of environmentally exposed organisms.

Affiliation	Università di Roma Tor Vergata
Type of institution	Research

What type of knowledge does your request relate to? Please refer to the Call for Requests for more information. Seeking greater understanding or predictive power, Seeking appropriate methodologies, Seeking optimal management, Understanding public opinions and/or perceptions, Seeking people's understanding of an issue

Short description of your request - this short description will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) The growing widespread of non ionizing radiations (NIR) of anthropogenic source in our environment, rose an increasing concern about the possible negative effects for human health, which made the field of great interest for scientists opening an increasing research activity in the field.

My research activity in such context is focused on possible genotoxic /mutagenic effects induced in eukaryotic cells by exposure to mobile-phone radiofrequency radiations (915 MHz RFR), with the aim to also understand the possible underlying mechanism(s). Initial results obtained in my laboratory have been focused on a plant organism which indicated the induction of non-thermal genotoxic effects in meristematic root cells after exposure to 915 MHz RFR up to 72h (Gustavino et al. 2016). Further experiments are in progress to investigate effects under different exposure conditions to this RFR, both in the same plant organism and in human cells (in vitro-cultured human lymphocytes). My request is to have the opportunity to be inserted in a wide research group through funded research programs; taking part to overview meetings and discussion forums. A final and desirable goal, is the spreading out to the general audience of research outcomes (definitive results).

Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) The International Commission on Non-Ionizing Radiation Protection (ICNIRP); international and/or national agencies for environmental health protection.

6. What the short-term effects (genotoxicity) of exposure to mobile-phone radiofrequency radiations (RFR) can be, and what the long-term consequences of exposure to them, both in terms of human health effects and of environmentally exposed organisms.

What are the objectives of your request? i) Scientific aspect: to have the opportunity to collaborate with other research teams (build a large team of workforce) in order to carry out a coordinated research program, share and discuss the results. This is in view to better continue the experimental activity that is currently underway in my laboratory on this subject. ii) Practical aspect: to encourage exchanges of young researchers involved in this project between different laboratories and to offer job opportunities.

What format would be most useful in terms of outputs? Joining a wide research group, through funded research programs; participating to overview meetings, discussion forums and round tables; final spreading of definitive findings (of proven results) to the general audience through scientific qualified journals for scientific dissemination, so as to stimulate the public debate and eventually influence decision making at legislative level.

By when would you need the results of your request? Beginning of the next year (2018).

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc Maybe

Which sectors and societal groups will be affected by or will benefit from your request and how? General population; institutions / surveillance agencies for the protection of public health; public administrations (departments for public health); public and private agencies for environmental protection. Scientific / academic community, in order to carry out a coordinated research program (see points 5, 6).

Is your request controversial in terms of the evidence or perceptions/values/opinions? No

If you have answered yes or maybe, please provide more details here (-)

What is the geographic scale of your request? All of Europe

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. (-)

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why? (-)

Do you have any initial thoughts on the steps and timeline for your request? (-)

What type of information or data is relevant and required to address your request? Economic information, joining other research teams through funded research programs

What sources of knowledge should be included to answer your request? Scientific knowledge, Technical know-how, Opinions and values

What existing knowledge, relevant to your request, are you aware of? Data from surveys and/or monitoring etc, Research outputs that may be limited in scale, scope or relevance, Relevant research outputs

6. What the short-term effects (genotoxicity) of exposure to mobile-phone radiofrequency radiations (RFR) can be, and what the long-term consequences of exposure to them, both in terms of human health effects and of environmentally exposed organisms.

- Please list any publications or literature relevant to your request**
1. Balmori A. (2015) Anthropogenic radiofrequency electromagnetic fields as an emerging threat to wildlife orientation. *Sci Total Environ.* 518-519, 58-60.
 2. Carlberg M., Hardell L. (2017) Evaluation of Mobile Phone and Cordless Phone Use and Glioma Risk Using the Bradford Hill Viewpoints from 1965 on Association or Causation. *Biomed Res Int.* 2017, 9218486.
 3. Cucurachi S., et al. (2013) A review of the ecological effects of radiofrequency electromagnetic fields (RF-EMF). *Environ Int.* 51,116-140.
 4. Duan W., et al. (2015) Comparison of the genotoxic effects induced by 50 Hz extremely low-frequency electromagnetic fields and 1800 MHz radiofrequency electromagnetic fields in GC-2 cells. *Radiat Res.* 183, 305-314.
 5. Gläser K., et al. (2016) Effect of Radiofrequency Radiation on Human Hematopoietic Stem Cells. *Radiat Res.* 186, 455-465.
 6. Gustavino B., et al. (2016) Exposure to 915 MHz radiation induces micronuclei in *Vicia faba* root tips. *Mutagenesis.* 31, 187-192.
 7. Halgamuge MN et al. (2015) Reduced growth of soybean seedlings after exposure to weak microwave radiation from GSM 900 mobile phone and base station. *Bioelectromagnetics.* 36, 87-95.
 8. Halgamuge MN. (2017) Review: Weak radiofrequency radiation exposure from mobile phone radiation on plants. *Electromagn Biol Med.* 36, 213-235.
 9. Mildaziene V. et al. (2016) Response of perennial woody plants to seed treatment by electromagnetic field and low-temperature plasma. *Bioelectromagnetics.* 37,536-548.
 10. Pesnya DS, Romanovsky AV. (2013) Comparison of cytotoxic and genotoxic effects of plutonium-239 alpha particles and mobile phone GSM 900 radiation in the *Allium cepa* test. *Mutat Res.* 750, 27-33.
 11. Su L., et al. (2017) RF-EMF exposure at 1800MHz did not elicit DNA damage or abnormal cellular behaviors in different neurogenic cells. *Bioelectromagnetics.* 38,175-185.
 12. Vijayalaxmi, et al. (2013) Incidence of micronuclei in human peripheral blood lymphocytes exposed to modulated and unmodulated 2450MHz radi of frequency fi el ds. *Bioelectromagnetics.* 34, 542-548.
 13. Wang X. et al. (2015) 8-oxoG DNA glycosylase-1 inhibition sensitizes Neuro-2a cells to oxidative DNA base damage induced by 900 MHz radiofrequency electromagnetic radiation. *Cell Physiol Biochem.* 37, 1075-1088.
 14. Xu S., et al. (2013) Cell type-dependent induction of DNA damage by 1800 MHz radiofrequency electromagnetic fields does not result in significant cellular dysfunctions. *PLoS One.* 8, e54906.
 15. Zothansiyama, et al. (2017) Impact of radiofrequency radiation on DNA damage and antioxidants in peripheral blood lymphocytes of humans residing in the vicinity of mobile phone base stations. *Electromagn Biol Med.* 36, 295-305.

Any other relevant information you would like to share? (-)

Sharing your request on the EKLIPSE Forum - we encourage requesters to allow the EKLIPSE Secretariat to share their request via the EKLIPSE KNOCK Forum to allow forum participants to discuss the topics put forward in the request, find common ground and potentially create consortia. The only information shared

6. What the short-term effects (genotoxicity) of exposure to mobile-phone radiofrequency radiations (RFR) can be, and what the long-term consequences of exposure to them, both in terms of human health effects and of environmentally exposed organisms.

on the Forum will be your affiliation, the short description of your request and its policy context. I allow the Secretariat to post my affiliation, short description and policy context of my request on the Forum

If you have replied yes or maybe to any resources available, please specify here Our resources consist of instrumental equipment, which are the following: Transverse ElectroMagnetic (TEM) cell, for cell exposure to RFR; optical microscopes (bright field and fluorescence), equipped with CCD camera and specific software implementation for image analysis. Carbon dioxide incubators and thermostatic chambers for mammalian and plant cell growth, respectively. Other facilities available in the Department are: confocal Laser Scanning Microscope (CLSM Olympus, FV1000); flow cytometer (Cytofluorimeter FACSlibur, Becton Dickinson). No other resources, such as support for travel, support for producing information material, literature reviews, research assistants, etc, are yet available for our research.

7. What are the ecosystem service benefits of peatland restoration, how a wider range of services be evaluated and effectively communicated, and based on these findings, how best can post-Brexit agricultural and environmental policy support sustainable peatland management and restoration?

7. What are the ecosystem service benefits of peatland restoration, how a wider range of services be evaluated and effectively communicated, and based on these findings, how best can post-Brexit agricultural and environmental policy support sustainable peatland management and restoration?

Affiliation IUCN UK Peatland Programme

Type of institution NGO

What type of knowledge does your request relate to? Please refer to the Call for Requests for more information. Seeking measures of effectiveness of interventions, Seeking optimal management

Short description of your request - this short description will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) We are employing a part-time post-doctoral research assistant to work with IUCN UK Peatland Programme to conduct evidence syntheses relating to peatland ecosystem services, and would like to request support for this work from EKLIPSE in terms of access to expertise, data (where available) and human resources to meet the scale of the evidence needs.

Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) We have two policy audiences for this work. First we are working with the UK Government and devolved administrations, who are members of the IUCN UK Committee that oversee our work, to identify the most important evidence needs for post-Brexit agricultural and environmental policy in relation to peatlands, and this will shape the evidence syntheses we will subsequently conduct (for communication as policy briefs). The second audience is international. We are responsible for overseeing the implementation of motion 46 on global peatlands from the IUCN World Congress, and are a member of the UNEP/FAO led Global Peatlands Initiative, feeding this information into a global assessment of peatland extent and condition, to which we want to propose policy options for more sustainable management and restoration.

What are the objectives of your request? To synthesise evidence on the value of peatland ecosystem services for input to UK policy and a global synthesis being led by UN agencies in collaboration with the IUCN's UK Peatland Programme

7. What are the ecosystem service benefits of peatland restoration, how a wider range of services be evaluated and effectively communicated, and based on these findings, how best can post-Brexit agricultural and environmental policy support sustainable peat

What format would be most useful in terms of outputs? Rapid evidence reviews

By when would you need the results of your request? Any time over the next 12-18 months

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc Yes

Which sectors and societal groups will be affected by or will benefit from your request and how? National and international policy communities will be the primary beneficiaries, with significant additional benefits accruing to society through the subsequent policy support and funding for sustainable management and restoration of peatlands, leading to climate mitigation benefits, as well as benefits for water quality/quantity, biodiversity and cultural services including recreation.

Is your request controversial in terms of the evidence or perceptions/values/opinions? No

If you have answered yes or maybe, please provide more details here (-)

What is the geographic scale of your request? Biogeographic area

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. UK, European and global peatlands of all types

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why? Rapid evidence reviews, if possible as our PDRA will be trained in this method, but we are lacking in capacity to review sufficient evidence topics

Do you have any initial thoughts on the steps and timeline for your request? We hope to have our PDRA in post by 1 December, so would ideally like to meet in December or January to discuss what shape a collaboration might take

What type of information or data is relevant and required to address your request? Economic information, Quantitative data

What sources of knowledge should be included to answer your request? Scientific knowledge, Technical know-how, Opinions and values

What existing knowledge, relevant to your request, are you aware of? Anecdotal, case studies, information presented by stakeholders, Data from surveys and/or monitoring etc, Research outputs that may be limited in scale, scope or relevance, Relevant research outputs

Please list any publications or literature relevant to your request IUCN UK Peatland Programme produced a Commission of Inquiry in 2011 that we are currently refreshing, but this is limited to the UK context

Any other relevant information you would like to share? (-)

7. What are the ecosystem service benefits of peatland restoration, how a wider range of services be evaluated and effectively communicated, and based on these findings, how best can post-Brexit agricultural and environmental policy support sustainable pea

Sharing your request on the EKLIPSE Forum - we encourage requesters to allow the EKLIPSE Secretariat to share their request via the EKLIPSE KNOCK Forum to allow forum participants to discuss the topics put forward in the request, find common ground and potentially create consortia. The only information shared on the Forum will be your affiliation, the short description of your request and its policy context. I allow the Secretariat to post my affiliation, short description and policy context of my request on the Forum

If you have replied yes or maybe to any resources available, please specify here We are appointing a 50% part-time post-doctoral research assistant in collaboration with Newcastle University to monitor implementation of the IUCN motion and support the work of the Global Peatlands Initiative. Part of the job description for this post is to also carry out rapid evidence reviews based on topics identified in collaboration with our stakeholder network, however the scale of this challenge is significantly greater than the time we are able to afford via this position, hence this request. The PDRA will be supervised by Prof Mark Reed, Research Lead for IUCN UK Peatland Programme, and integration with input from EKLIPSE will be managed by Programme Manager, Emma Goodyer, based in our offices in Edinburgh.

8. Investigate and gather methodologies (existing and under development) for designing SMART targets or SMART commitments to follow-up on the Aichi Targets, whilst ensuring coherence with the SDGs;

8. Investigate and gather methodologies (existing and under development) for designing SMART targets or SMART commitments to follow-up on the Aichi Targets, whilst ensuring coherence with the SDGs;

Affiliation European Commission

Type of institution European Institution

What type of knowledge does your request relate to? Please refer to the Call for Requests for more information. Seeking greater understanding or predictive power, Seeking measures of effectiveness of interventions, Seeking appropriate methodologies, Understanding public opinions and/or perceptions, Seeking people's understanding of an issue

Short description of your request - this short description will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) Investigate and gather methodologies (existing and under development) for designing SMART targets or SMART commitments to follow-up on the Aichi Targets, whilst ensuring coherence with the SDGs;

Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) Biodiversity policy

What are the objectives of your request? informed decision and policymaking

What format would be most useful in terms of outputs? to be discussed

By when would you need the results of your request? End of 2018

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc Yes

Which sectors and societal groups will be affected by or will benefit from your request and how? to be discussed

Is your request controversial in terms of the evidence or perceptions/values/opinions? Maybe

8. Investigate and gather methodologies (existing and under development) for designing SMART targets or SMART commitments to follow-up on the Aichi Targets, whilst ensuring coherence with the SDGs;

If you have answered yes or maybe, please provide more details here IAS and climate change issues can be controversial

What is the geographic scale of your request? All of Europe

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. (-)

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why? (-)

Do you have any initial thoughts on the steps and timeline for your request? (-)

What type of information or data is relevant and required to address your request? Economic information, Qualitative data, Quantitative data

What sources of knowledge should be included to answer your request? Scientific knowledge, Indigenous and local knowledge, Technical know-how, Opinions and values

What existing knowledge, relevant to your request, are you aware of? Anecdotal, case studies, information presented by stakeholders, Data from surveys and/or monitoring etc, Relevant research outputs

Please list any publications or literature relevant to your request (-)

Any other relevant information you would like to share? this request is not complete and we would welcome a discussion with EKLIPSE

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If you have replied yes or maybe to any resources available, please specify here to be discussed

9. Identify methodologies for the assessment of the effectiveness of measures to protect biodiversity, as required in 6th National Reports under the CBD;

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Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) Biodiversity policy

What are the objectives of your request? informed decision and policymaking

What format would be most useful in terms of outputs? to be discussed

By when would you need the results of your request? to be discussed

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc Yes

Which sectors and societal groups will be affected by or will benefit from your request and how? to be discussed

Is your request controversial in terms of the evidence or perceptions/values/opinions? Maybe

If you have answered yes or maybe, please provide more details here IAS and climate change issues can be controversial

What is the geographic scale of your request? All of Europe

9. Identify methodologies for the assessment of the effectiveness of measures to protect biodiversity, as required in 6th National Reports under the CBD;

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. (-)

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why? (-)

Do you have any initial thoughts on the steps and timeline for your request? (-)

What type of information or data is relevant and required to address your request? Economic information, Qualitative data, Quantitative data

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If you have replied yes or maybe to any resources available, please specify here to be discussed

10. Collect evidence on combined impacts which are reinforcing and further exacerbating the overall impact; eg invasive species impact under changing climate or impact of several invasive species or chemical impact under changing climate etc ...;

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Affiliation	European Commission
Type of institution	European Institution

What type of knowledge does your request relate to? Please refer to the Call for Requests for more information. Seeking greater understanding or predictive power, Seeking measures of effectiveness of interventions, Seeking appropriate methodologies, Understanding public opinions and/or perceptions, Seeking people's understanding of an issue

Short description of your request - this short description will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) Collect evidence on combined impacts which are reinforcing and further exacerbating the overall impact; eg invasive species impact under changing climate or impact of several invasive species or chemical impact under changing climate etc ...;

Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) Biodiversity policy

What are the objectives of your request? informed decision and policymaking

What format would be most useful in terms of outputs? to be discussed

By when would you need the results of your request? End 2018

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc Yes

Which sectors and societal groups will be affected by or will benefit from your request and how? to be discussed

10. Collect evidence on combined impacts which are reinforcing and further exacerbating the overall impact; eg invasive species impact under changing climate or impact of several invasive species or chemical impact under changing climate etc ...;

Is your request controversial in terms of the evidence or perceptions/values/opinions? Maybe

If you have answered yes or maybe, please provide more details here IAS and climate change issues can be controversial

What is the geographic scale of your request? All of Europe

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. (-)

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why? (-)

Do you have any initial thoughts on the steps and timeline for your request? (-)

What type of information or data is relevant and required to address your request? Economic information, Qualitative data, Quantitative data

What sources of knowledge should be included to answer your request? Scientific knowledge, Indigenous and local knowledge, Technical know-how, Opinions and values

What existing knowledge, relevant to your request, are you aware of? Anecdotal, case studies, information presented by stakeholders, Data from surveys and/or monitoring etc, Relevant research outputs

Please list any publications or literature relevant to your request (-)

Any other relevant information you would like to share? this request is not complete and we would welcome a discussion with EKLIPSE

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If you have replied yes or maybe to any resources available, please specify here to be discussed

11. Investigate in positive and negative feedback loops of ecosystems contributing to regulating climate;

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What type of knowledge does your request relate to? Please refer to the Call for Requests for more information. Seeking greater understanding or predictive power, Seeking measures of effectiveness of interventions, Seeking appropriate methodologies, Understanding public opinions and/or perceptions, Seeking people's understanding of an issue

Short description of your request - this short description will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) Investigate in positive and negative feedback loops of ecosystems contributing to regulating climate;

Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) Biodiversity policy

What are the objectives of your request? informed decision and policymaking

What format would be most useful in terms of outputs? to be discussed

By when would you need the results of your request? ASAP, but no later than March-April 2018

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc Yes

Which sectors and societal groups will be affected by or will benefit from your request and how? to be discussed

Is your request controversial in terms of the evidence or perceptions/values/opinions? Maybe

If you have answered yes or maybe, please provide more details here IAS and climate change issues can be controversial

What is the geographic scale of your request? All of Europe

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. (-)

11. Investigate in positive and negative feedback loops of ecosystems contributing to regulating climate;

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why? (-)

Do you have any initial thoughts on the steps and timeline for your request? (-)

What type of information or data is relevant and required to address your request? Economic information, Qualitative data, Quantitative data

What sources of knowledge should be included to answer your request? Scientific knowledge, Indigenous and local knowledge, Technical know-how, Opinions and values

What existing knowledge, relevant to your request, are you aware of? Anecdotal, case studies, information presented by stakeholders, Data from surveys and/or monitoring etc, Relevant research outputs

Please list any publications or literature relevant to your request (-)

Any other relevant information you would like to share? this request is not complete and we would welcome a discussion with EKLIPSE

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If you have replied yes or maybe to any resources available, please specify here to be discussed

12. What are the main knowledge gaps hampering effectiveness and possible integration existing approaches (including different governance systems and approaches) to restore ecosystem biodiversity, function and services?

12. What are the main knowledge gaps hampering effectiveness and possible integration existing approaches (including different governance systems and approaches) to restore ecosystem biodiversity, function and services?

Affiliation	BiodivERsA Coordinator and CEO
Type of institution	Research

What type of knowledge does your request relate to? Please refer to the Call for Requests for more information. Identifying key emerging issues and knowledge gaps

Short description of your request - this short description will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) The present BiodivERsA query to EKLIPSE is to ask for an assessment of the knowledge base available to guide actions for the restoration of degraded biodiversity and ecosystems, and in particular to identify key knowledge gaps hampering the effectiveness of existing approaches.

Policy context of your request - please outline which policy decisions and stage of decision-making is to be informed by your request. This policy context will be used in the EKLIPSE KNOCK Forum if you agree to share your request with Forum participants (section 4 of the form) The response to this request would be a key product to be used by BiodivERsA when elaborating a future research programme aiming to produce new knowledge in support of public and private decision-making related to the restoration of degraded ecosystems. More specifically, the knowledge synthesis report and identification of knowledge gaps would feed the work of BiodivERsA members when preparing a future Call for Proposals on a related topic (see further). The resulting research would contribute to developing science-based evidence for the deployment of on-the-ground actions to better restore degraded biodiversity and ecosystems, both as a natural heritage to safeguard and as a natural asset vital to enhanced ecosystem integrity and sustainable delivery of a range of ecosystem services in Europe. The resulting research would support a relatively wide range of European policy initiatives including the 7th Environment Action Programme (EAP); the EU Biodiversity Strategy; the Water Framework Directive; the Marine Strategy Framework Directive and the EU Nature Directives. Such research would also support Europe's endeavours to implement the UN SDGs, and especially SDG 6 (Ensure availability and sustainable management of water and sanitation to all), SDG 14 (Life below water), and SDG 15 (Life on Land).

12. What are the main knowledge gaps hampering effectiveness and possible integration existing approaches (including different governance systems and approaches) to restore ecosystem biodiversity, function and services?

What are the objectives of your request? The objective for BiodivERSA is to use the EKLIPSE report as an important product when identifying research priorities and ultimately elaborating a call for research proposals on a related topic. In this context, BiodivERSA and its possible partners would have a special expectation regarding the identification of knowledge gaps that hamper effectiveness of existing restoration approaches. Please that it is not expected to identify research priorities for a possible call, which will be done by BiodivERSA partners in due time.

What format would be most useful in terms of outputs? A report on key knowledge gaps related to the topic would be most useful.

By when would you need the results of your request? Early 2019.

Do you have any resources available to support your request? e.g. support for travel, support for producing information material, literature reviews, research assistants etc Maybe

Which sectors and societal groups will be affected by or will benefit from your request and how? Questions related to ecosystem restoration are relevant in a wide array of sectors, in both public and private decision-making. The request would touch to sectors linked to ecological engineering, water-smart solutions, species management, and restoration technologies. More generally it would contribute to the EU natural assets market and the global competitiveness and sustainability of industries and economic sectors that are dependent on these natural assets (e.g. water- and fiber-related/dependent industries), as well as improve human well-being.

Is your request controversial in terms of the evidence or perceptions/values/opinions? Maybe

If you have answered yes or maybe, please provide more details here The request could be somewhat controversial as views can differ greatly on restoration targets.

What is the geographic scale of your request? All of Europe

If you have selected biogeographic area, EUNIS habitat type or specific country or site, please provide more details. (-)

Do you have a preference for a specific knowledge synthesis or other method or approach? If so, why? No.

Do you have any initial thoughts on the steps and timeline for your request? No.

What type of information or data is relevant and required to address your request? All of the above. Both quantitative and qualitative data, as well as economic information, are relevant to address our request.

What sources of knowledge should be included to answer your request? Mainly scientific knowledge, but other sources could be included.

What existing knowledge, relevant to your request, are you aware of? Research outputs that may be limited in scale, scope or relevance, Relevant research outputs

12. What are the main knowledge gaps hampering effectiveness and possible integration existing approaches (including different governance systems and approaches) to restore ecosystem biodiversity, function and services?

Please list any publications or literature relevant to your request (-)

Any other relevant information you would like to share? In principle, BiodivERsA is OK to share the request on the KNOCK Forum, provided that it is clear that discussions are not meant to define key priorities for future BiodivERsA Call

Sharing your request on the EKLIPSE Forum - we encourage requesters to allow the EKLIPSE Secretariat to share their request via the EKLIPSE KNOCK Forum to allow forum participants to discuss the topics put forward in the request, find common ground and potentially create consortia. The only information shared on the Forum will be your affiliation, the short description of your request and its policy context. I allow the Secretariat to post my affiliation, short description and policy context of my request on the Forum

If you have replied yes or maybe to any resources available, please specify here BiodivERsA can guarantee a timely follow-up of this request by its SPI officer and Coordination team, and assistance in proper outreach, as needed.