



OPEN LETTER

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## Empowering ECRs to make research projects flourish:

### lessons from a European research project

[version 2; peer review: 1 approved, 2 approved with reservations]

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#### Abstract

Early Career Researchers (ECRs) are essential contributors to scientific innovation and research outcomes, yet their empowerment and development within research projects remains an underexplored area. While European and national initiatives provide valuable funding and career development opportunities, less attention has been given to how similar opportunities can be meaningfully integrated and supported within the structure of research projects themselves. Drawing on experiences from the EU Horizon 2020 project MYRIAD-EU, this perspective explores practical approaches to integrating ECR empowerment into collaborative, interdisciplinary research. Approximately 30% of the project consortium was made up of ECRs, whose involvement was facilitated through structural mechanisms such as the establishment of an ECR Board, direct representation in project management, and leadership opportunities within work packages. Additionally, ECRs co-organized dedicated events and actively fostered professional networks both within and beyond the project. These opportunities and activities benefitted the ECRs in

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multiple ways, including skill development and professional network formation. ECRs also offered various benefits to the project, including additional resources and ideas to successfully manage and conduct the project as a whole, as well as external recognition for its empowerment efforts. We showcase three types of activities, including structural involvement in project management, organizing events for ECRs, and efforts to form ECR networks. We identify and discuss three enabling factors that play a critical role in creating an empowering environment: advisory support, ECR agency, and other factors, such as project design. Within this perspective, we aim to encourage research projects and funding institutions to further build on these practices, ranging from low-hanging fruit to more high-effort, high-reward options, in order to foster environments where ECRs can grow into independent researchers with benefits for the projects as well.

Any reports and responses or comments on the article can be found at the end of the article.

### Keywords

Early Career Researchers, ECR, career development, project management; European research projects, mentorship, empowerment, research culture

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**REVISED Amendments from Version 1**

The revised manuscript has been refined to better align with Open Research Europe's article type guidelines and enhance the overall quality of the submission. We have thoroughly addressed all reviewer comments as detailed in the respective responses. Furthermore, we have enhanced the manuscript's readability and clarity through targeted textual adjustments throughout.

The primary modifications are as follows:

- (1) We reformatted the study as a case study to align more closely with the journal's guidelines and effectively capture the manuscript's scope and narrative.
- (2) We supplemented the manuscript with numerous additional references to contextualise our findings within the broader scholarly landscape.
- (3) We added critical reflections on the insights generated, notably by incorporating a positionally statement to provide deeper context and transparency.

**Any further responses from the reviewers can be found at the end of the article**

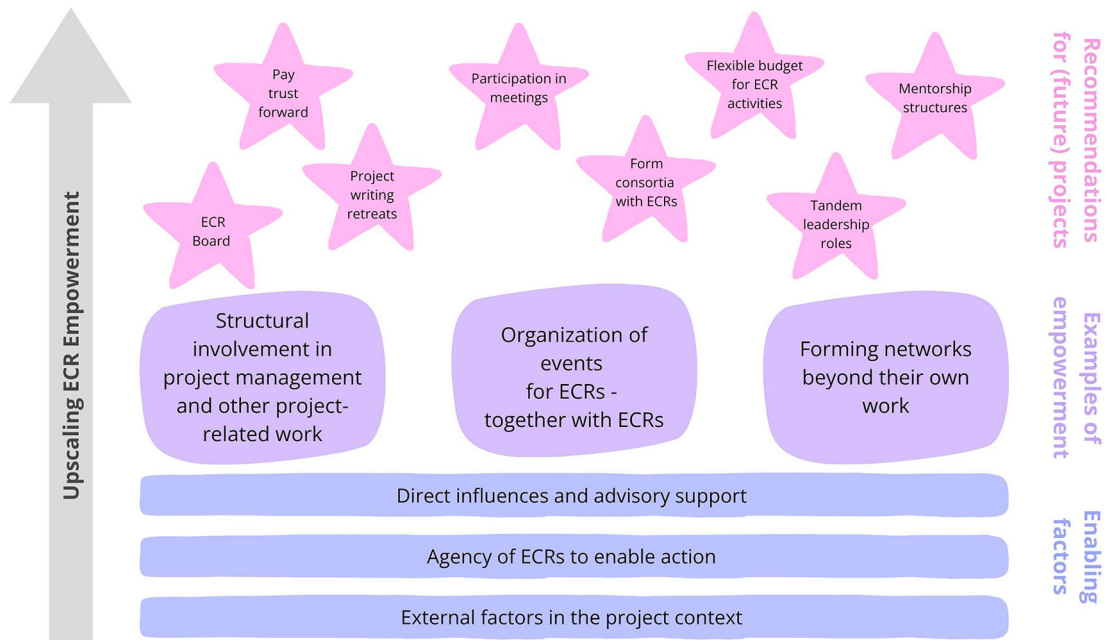
## 1. Introduction

Early Career Researchers (ECRs) play a crucial role in the research process, often serving as the driving forces behind the implementation of a project's research. Compared to their more senior colleagues, ECRs typically represent more diverse cohorts, bringing fresh perspectives, unchallenged idealism, and creativity that can drive the development of innovative scientific methods and ideas (Campbell *et al.*, 2019; Wilder *et al.*, 2013). Additionally, ECRs often form the majority of the scientific workforce in research projects, making significant contributions to their outcomes and broader scientific impact (Kent *et al.*, 2022).

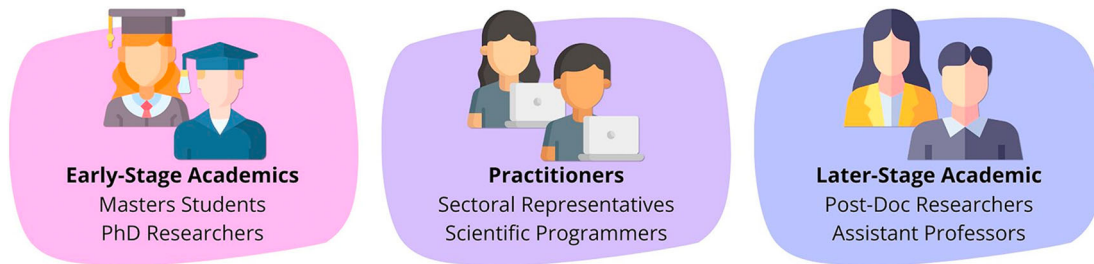
The early career stage is a critical period of transition from a dependent to an independent researcher, during which ECRs develop and expand their skill set (Laudel & Gläser, 2008; Nicholas *et al.*, 2019). ECRs can be defined in different ways, but in this perspective, we use the European Geosciences Union definition, which defines ECRs as students, PhD candidates, and practicing researchers who obtained their highest degree (e.g., BSc, MSc, or PhD) within the past seven years (EGU, 2025; <https://www.egu.eu/awards-medals/ecs-definition/>). Figure 1 illustrates some examples of who is considered an ECR according to this definition. Browning *et al.* (2017) identify key factors that support successful career development for ECRs, including formal and informal mentoring, access to research funding, participation in active research groups, opportunities to teach or supervise students, and formal leadership training. Beyond individual skill development, Kent *et al.* (2022) emphasize the importance of an empowering research culture - one in which ECRs feel they have the authority and opportunity to contribute meaningfully. This requires not only personal agency but also supportive supervisors, colleagues, and project managers who actively create spaces for ECRs to engage and lead at different levels.

Multiple programs and initiatives exist on regional, national, sub-national, or institutional levels that support the career and skill development of ECRs. For example, the Marie Skłodowska-Curie Actions (MSCA) and the European Research Council (ERC) provide grants for ECRs to pursue innovative research and advance their academic careers. Additionally, MSCA's Doctoral Networks programme (and the preceding Innovative Training Networks Programme) fosters collaboration by connecting ECRs with universities, research institutions, and the private and/or public sector. National initiatives, such as those by the Dutch Research Council (NWO), further support early career development through early career funding opportunities, such as the VENI grant for ECRs, and by organising VENI-awardee seminars and other networking opportunities enabling ECRs to learn from and connect with each other. Additional opportunities include both Young Academies (Bálint *et al.* 2021) and training academies (Færgeman *et al.*, 2025) or those more tailored for early-stage ECRs, particularly PhDs, are research schools or networks within and among universities and institutes, as well as short-term, specialised academic programs such as summer schools (Cvitanovic *et al.*, 2024). While much attention is given to individual career development in the European research landscape, guidance on how to empower ECRs within research projects remains limited.

Notwithstanding the aforementioned types of programmes, research projects rarely incorporate explicit strategies or guiding principles for empowering ECRs. Moreover, there is limited documentation and guidance for monitoring how such empowerment benefits both ECRs and the projects to which they contribute. This is a missed opportunity, given that many ECRs begin and advance their academic careers by working on such research projects, and these projects can offer invaluable opportunities and ideal conditions to develop key skills necessary for future roles.



**Figure 1.** Adopted profiles of ECRs in the project-context including “Early-stage academics” (e.g., Master’s students, PhD researchers), “Practitioners” (e.g., sectoral representatives, scientific programmers), and “Later-stage academics” (e.g., post-docs, assistant professors). Icons by Freepik from *Flaticon.com*.



**Figure 2. Graphical abstract.** Pathways for embedding and upscaling ECR empowerment within research projects, illustrated and informed through experiences of the MYRIAD-EU project. Building upon broader enabling factors (blue bars), empowerment manifests in different ways (purple rectangles). Reflecting on these experiences and lessons learnt, recommendations are proposed to inform and inspire (future) projects (pink stars).

In this study, we reflect how a research project, that explicitly accounts for the interests and needs of ECRs, effectively contributes to ECR empowerment and how it benefits from these efforts. We provide examples of ECR empowerment in a European research project and reflect on key factors that enabled such empowerment (Figure 2; blue bars). Finally, we offer practical suggestions for how current and prospective projects can support ECR empowerment and engagement, from easy, low-hanging fruits to more ambitious initiatives (Figure 2; purple rectangles and pink stars). We additionally share recommendations for funding agencies on how they can encourage and institutionalize such empowerment across research projects.

## 2. The case of MYRIAD-EU

MYRIAD-EU<sup>1</sup> (Ward *et al.*, 2022) was a four-year, EU Horizon 2020-funded project with a consortium of 19 project partners from universities, research institutions, NGOs, and the private sector. The project aimed to provide policy-makers, decision-makers, and practitioners with practical tools to create forward-looking disaster (multi-)risk management strategies. Central to the project were pilot study teams that tested methods developed within the project through a collaborative co-design process with local stakeholders, addressing region- and sector-specific sustainability challenges.

<sup>1</sup>MYRIAD-EU. (2021–2025). Multi-hazard and sYstemic framework for enhancing Risk-Informed mAnagement and Decision-making in the E.U. (Grant Agreement No. 101003276). Horizon 2020. European Commission. <https://doi.org/10.3030/101003276>

In order to maximize the impact of the project, one of the measures implemented was to ensure a “prominent role for Early Career Researchers within the management structure” as promised in the project proposal. Consequently, the representation of ECRs and the explicit consideration of their interests, ideas and needs were viewed as a critical component of the project’s success. As a result, the project offers a promising step towards effective ECR empowerment that benefits both the ECRs and the project, making it a valuable and relevant case to study and reflect upon. Altogether, the project involved 133 participants, of which about 30% were considered ECRs at the beginning of the project (i.e., 30 early-stage and 11 late-stage). Most ECRs were employed as researchers from research institutes (n = 17), PhDs (n = 12), or Post-Docs (n = 6) or tenure track positions at Universities (n = 6) who had a primary role to contribute in the scientific work packages of MYRIAD-EU to develop and test new methods and tools or other deliverables and milestones. Some of the late-stage ECRs have been involved in the proposal writing for MYRIAD-EU and took on management responsibilities for specific work packages or the project as a whole.

## 2.1 The process of collecting learnings and reflections

In the case study we draw on perspectives and experiences of ECRs at various career stages, as well as those of senior researchers. These insights were collected on multiple occasions and in various formats over the past four years, including informal conversations among ECRs and reflection sessions at various meetings (e.g., general assemblies) within the aforementioned project context. Additionally, we shared and validated our ideas on examples and key factors in a broader context through a short course at the European Geosciences Union (EGU) General Assembly (EGU25; Vienna, Austria) in April 2025.

Since the beginning of MYRIAD-EU, an active network has been established among the ECRs. Prior to each project general assembly, they organized a dinner together to connect, share experiences, and discuss project progress, their work, amongst other things. Additionally, they held occasional online check-in talks, roughly once or twice a year, with the explicit purpose of sharing recent successes or challenges, providing support, and brainstorming ideas for upcoming project activities. These meetups established trust among ECRs and provided the ability to share experiences as an ECR navigating their career path. Although no formal notes had been taken during these dinners or informal meetings, they collectively shaped a picture of the state of ECRs in the project.

Additionally, the ECRs organized a 2-hour workshop in the third year of the project. This workshop provided an opportunity to collect reflections on past experiences as ECRs in the project. They noted aspects they appreciated most, reflections they had regarding their role in the project, and aspects they thought would like to see changed, whether by themselves or by others in the project. The workshop also included a reflection on the remaining time in the project, where ECRs could share their plans, hopes, and wishes regarding their roles in the project, things to learn or to be involved in.

To validate key examples identified by the ECRs themselves in their own workshop, a session at the final project general assembly was organized which engaged with the entire project consortium to reflect on the involvement of ECRs in the project. The session aimed to collect instances where ECR involvement was noticed and which positive or unexpected experiences were made. Project partners were also encouraged to suggest ideas for future empowerment. During this session, project partners had the opportunity to comment on and reflect upon the notes contributed by others. Additionally, they were tasked with ranking the collected aspects in terms of their perceived importance, ensuring these insights aligned with the broader consortium perspectives.

## 2.2 Positionality

Our background and experiences shape the knowledge we produce as researchers (see e.g., Hausermann & Adomako, 2022). We are a team of co-authors working in disaster risk research, with disciplinary foundations in engineering or the natural sciences and varying experience in qualitative and quantitative methodologies. All authors were directly involved in the implementation of the MYRIAD-EU project and associated activities. We therefore write from embedded positions: as ECRs ourselves, as project managers or advisors responsible for meeting the project’s ambitions, and as members of an ECR board tasked with representing ECR interests in the management processes. Many of us are or were affiliated with the coordinating institution, which may shape how we interpret and present the project’s outcomes.

The study did not follow a predefined qualitative research design, nor was it conducted by an external team independent of the project’s internal hierarchies and dependencies. As such, academic power dynamics, institutional affiliations, professional relationships and the disciplinary context may have influenced both how experiences were expressed and how they are interpreted in this study. During the writing process, individual accounts were compared and discussed among co-authors in an effort to surface differing perspectives and critically question our interpretations. Nevertheless, the conclusions presented remain shaped by our shared disciplinary background, professional interdependencies, and collective investment in the project’s success. As a result, we focus on promising empowerment examples rather than questioning what could have gone better. This might already be a very important learning and insight for new projects to take into account.

### 3. Examples of promising empowerment from MYRIAD-EU and its benefits for the project and the ECRs

According to feedback from the ECRs themselves, as well as from the project's External Advisory Board and Project Review Board, ECR engagement has been a key strength and outcome of the project. Based on repeated reflections and discussions among ECRs and the wider consortium, three themes were identified as to how MYRIAD-EU accomplished the act of engaging and empowering ECRs. Firstly, the structural involvement of ECRs within project management and other deliverables. Secondly, allowing ECRs to design and organize events targeted at their career and personal development. Lastly, the emphasis and importance of forming networks for ECRs, outside of their direct work. Examples of ECR empowerment identified within the case study reflection within these themes are discussed in the following sub-sections.

#### 3.1 Theme 1: Structural involvement in project management and other project-related work

The primary means by which MYRIAD-EU structurally included ECRs in project management was by establishing the presence of an Early Career Researcher Board (ECRB) within the project proposal. The ECRB was integrated into the proposal, inspired by experiences from previous EU-funded projects, such as RECEIPT,<sup>2</sup> where bottom-up ECR engagement organically led to the formation of similar bodies, yielding significant benefits for ECRs as well as the projects. Though there are currently no explicit frameworks for the integration of ECRs into management roles within research projects, previous literature have emphasised the importance and advocated for involving ECRs in decision-making processes (Pizzolato *et al.*, 2023).

The MYRIAD-EU ECRB was populated by self-volunteered ECRs from the consortium, with 4–5 members of equal gender balance. A first 'interim' ECRB was installed at the start of the project for 6 months, to ensure that those who joined the project later had an opportunity to volunteer. Then, a second ECRB was installed for ~2 years, and a third ECRB for the final ~2 years. Each year, a new Chair of the ECRB, the titled Early Career Representative, was elected by the members of the ECRB. Notably, the Early Career Representative was a full member of the project's Management Team (MT). This rotation of ECRB members and the ECR Representative allowed for a large number of ECRs to become engaged in the management of the project.

Within the scope of MYRIAD-EU, the ECRB served as a primary contact point for all ECRs with the MT. The position of the Early Career Representative allowed ECRs to actively participate in the processes of managing a research project that aimed to achieve societal impact, furthering their professional development. The ECRB also advocated the needs and concerns of all ECRs to the MT, for instance, resulting in active invitation across different career stages to join as co-conveners in the co-organized 3rd International Conference on Natural Hazards and Risks in a Changing World (<https://www.changingworldrisks2024.eu/>). It also led to allocation of time at project meetings to reflect on the learnings on ECR empowerment, dedicated time to share and receive feedback on their ongoing work, additional to both networking opportunities and social activities. These sessions enabled ECRs to further develop their science communication skills and also kept the entire consortium informed about emerging research. Feedback from these sessions indicated that they were among the highlights of each General Assembly.

Another structural inclusion of ECRs was through the research activities and execution of the Work Packages (WPs), as well as the overall project management. While one senior researcher served as the principal investigator for the project, they worked in close collaboration with a late-stage ECR (e.g., post-doc) to address the financial, logistical, and reporting needs for the project. This set-up reduced the individual workload and offered both individuals new perspectives and opportunities to learn from each other. Furthermore, in the WPs, ECRs were primarily involved through contributions of developed methods, results, insights, and reflections to project deliverables. Importantly, later-stage ECRs were positioned as (co-)leads within their WPs, allowing them to deepen their experience with research management, reporting, meeting planning, and cross-partner collaboration. In one WP, the leadership was even offered to, and taken up by, an early-stage ECR at the end of their PhD. The WPs also benefited from advocacy for space for ECRs in regular work-package meetings. ECRs were encouraged to present and discuss their ongoing work, which allowed them to place their work within the broader research landscape and demonstrate the value of their contributions to the deliverables.

#### 3.2 Theme 2: Organization of events for ECRs - together with ECRs

The MYRIAD-EU project also promised to organize multiple events. Amongst others, a scientific conference and a summer school. While the scientific conference was not purely an ECR-focused event, during the planning, the idea arose within the MYRIAD-EU MT to have an ECR sub-event as a component of the program. It was supported by the entire conference organising team to extend the conference by a set of ECR-specific events. As such, a team of early-stage ECRs

<sup>2</sup>RECEIPT. (2019–2023). REremote Climate Effects and their Impact on European sustainability, Policy and trade. Grant Agreement No. (820712). Horizon 2020. European Commission. <https://doi.org/10.3030/820712>

from different projects formed to develop a program. The challenge of this ECR-day was that it had not been part of the original scoping and respective budget allocation, and thus faced financial constraints. However, the team of ECRs worked closely with the central organizing committee to find a solution. It was ultimately able to host an informal networking event attended by over 80 ECRs as well as a set of thematic excursions on the day after the conference, again offering an informal setting to connect. Opportunities like this provide an opportunity to deepen relationships with fellow researchers, get to know each other, and form personal connections that are beneficial when developing new research ideas or identifying suitable collaborators.

One of MYRIAD-EU's commitments was to organize a summer school during the project, directly targeted towards ECRs. To accomplish this, MYRIAD-EU partnered with similar projects, including PARATUS,<sup>3</sup> The HuT,<sup>4</sup> and DIRECTED.<sup>5</sup> Instead of a top-down approach, the MTs of the different projects entrusted ECRs to lead both the development and implementation process. After an open call to all ECRs from the four projects, a core team of five ECRs was assembled and directly supported by one senior researcher. A broader organizing team was established, including members of the MTs and additional ECRs, to ensure coordination and accountability. The ECR-led team reimaged the traditional summer school format. Rather than passive lectures, they designed an interactive and collaborative academy, where the agenda consisted of dynamic workshops, discussion forums, and problem-solving sessions (DRR Academy; <https://drr-academy2024.cimne.com/>). Additionally, participants actively contributed by leading their sessions and shaping the academy's content.

An important component of the academy was a day-long workshop on proposal writing, which was included based on participant needs and curiosities, especially as early-stage ECRs are often underrepresented in proposal writing, despite the growing need to develop or get involved in winning proposals to secure (tenure) positions. Based on lessons and reflections shared in the workshop, participants were encouraged to develop their research proposals in response to a fictitious call. Some of these proposals even lead to the development of collaborative research projects between participants. The workshop provided a broad and open space for ECRs to approach more experienced researchers with their questions and gain experience with the dynamics and challenges of developing research proposals.

The approach to organizing an ECR-oriented event, which combines elements of both top-down and bottom-up approaches, benefited both the ECRs and the projects. Particularly through peer-training, the early-career organizers gained valuable experience in event management, collaboration, and decision-making. Meanwhile, participants who were empowered as session convenors strengthened their skills and expanded their networks to all those who attended. The projects, in turn, benefited from fresh, innovative formats and the increased capacity of engaged ECRs. The success of this event is evident in the way connections were formed, leading to new collaborative research initiatives and preparation for future editions of the academy.

### 3.3 Theme 3: Forming networks beyond their own work

Within MYRIAD-EU, ECRs actively engaged in various ways to form, extend, and engage with networks within the project and beyond. A significant amount of the networking was initiated during in-person project meetings, where ECRs had regular opportunities to engage with peers, senior researchers, and non-academic partners. Over time, these initial contacts evolved into both mutual support systems and mentoring, as well as extended professional networks. For example, ECRs began co-authoring manuscripts (e.g., Article in *iScience*; [Tiggeloven and Pfeiffer et al., 2025](#)), co-convening conference sessions (e.g., EGU 2026 Session: Early Warning Systems (EWS): From Science to Action for Effective Disaster Risk Reduction), organizing workshops (e.g., short course on ECR empowerment at EGU 2025 and 2026; [De Polt et al., 2025](#)), and initiating short-term research stays with partners they had met through the project. Another example was the concept of the DRR Academy, further discussed in the prior section 3.2, which was carried forward and refined in a 2nd edition in 2025 by an extended group of early-career organisers. The trust and familiarity built through these early and repeated encounters also allowed them to benefit from the networks of more established colleagues. For instance, more senior consortium members connected ECRs with valuable contacts from their networks (e.g., interviewees, sectoral stakeholders) that advanced and benefited specific research goals in addition to the development of the ECRs' professional networks.

<sup>3</sup>PARATUS. (2022–2026). Promoting disaster preparedness and resilience by co-developing stakeholder support tools for managing the systemic risk of compounding disasters (Grant Agreement No. 101073954). Horizon Europe. European Commission. <https://doi.org/10.3030/101073954>

<sup>4</sup>The HuT. (2022–2026). The Human-Tech Nexus - Building a Safe Haven to cope with Climate Extremes (Grant Agreement No. 101073957). Horizon Europe. European Commission. <https://doi.org/10.3030/101073957>

<sup>5</sup>DIRECTED. (2022–2026). Disaster Resilience for Extreme Climate Events providing interoperable Data, models, communication and governance (Grant Agreement No. 101073978). Horizon Europe. European Commission. <https://doi.org/10.3030/101073978>

Beyond the boundaries of project meetings, academic conferences played a key role in expanding and sustaining the networks. Informal networking events organized by ECRs during major scientific gatherings, such as the EGU General Assembly or the International Conference on Natural Hazards and Risks in a Changing World, provided familiar touchpoints with the networks and a space to bring in new contacts. These recurring informal “check-ins” helped maintain momentum and strengthened a sense of scientific community.

Additionally, ECRs from other research group structures, both inside and outside the project scope, had the opportunity to connect with fellow ECRs working on similar topics. For example, visiting researchers were invited to present during project meetings, join writing retreats, or contribute to project deliverables. These exchanges not only supported ECR skill-building and international exposure but also reinforced MYRIAD-EU’s visibility within the broader research landscape.

#### 4. Key factors that enabled empowerment within MYRIAD-EU and beyond

When reflecting upon the three themes and associated examples within MYRIAD-EU, as outlined in the previous section in informal conversations, reflection sessions at the project meeting, or the short course at the EGU General Assembly 2025, we identified a set of cross-cutting factors that are prerequisites or enabling factors for effective empowerment of ECRs (Table 1): the direct influences and advisory support, the agency of the ECRs themselves, and a wide array of other external factors in the project set-up.

##### 4.1 Direct influences and advisory support

In our reflection, one of the most critical enabling factors of strong empowerment and encouragement is the direct influence of advisory and supervisory support. Such support helped to foster trust and confidence among ECRs in their advisory relationships and ultimately in their connection to the consortium. Advisory support expressed itself in many ways, mainly through the themes of mentorship, advocacy, and sponsorship, such as taking the time to share reflections on plans and experiences in similar situations, as well as offering suggestions and opportunities. The advisors achieved this either by being proactively engaged or simply by being approachable.

Particularly important to sponsorship, which is defined as the act of the advisor leveraging their own scientific and technical human capital and resources to actively promote and aid in development of the ECR (Bozeman & Corley 2004), is the aspect of trust. Trust is built through engagement and shared responsibility, requiring both a commitment of time and the willingness of those established to pay the trust forward. Trust from advisors or supervisors means entrusting ECRs with control over the execution of project-related tasks or deliverables and potentially “career-making” actions (Parsons and O’Conner 2023; e.g., through assignment of tasks involving an ECRB, placing the ECR in a key

**Table 1. Overview of key general factors for empowerment and encouragement, including selected sub-factors and the actors responsible for their implementation.** PI: Principal Investigator.

General Factor	Sub-Factors	Actor(s)
<b>Direct influences and advisory support</b>	Good communication for the project deliverables	PI, ECR advisor
	Visibility of ECRs	PI, ECR advisor
	Support for skill development through shared learning and interdisciplinary exposure	PI, ECR advisor, non-ECR consortium members
	Early and public recognition of ECR (non-)scientific contributions	Project Management, ECR advisor
<b>Agency of ECRs to enable action</b>	Positively embracing professional development opportunities	ECR themselves
	Establishment of a peer-to-peer community	ECRs within the consortium
	Reflection on time-capacity and working capacity	ECRs themselves, ECR advisor
<b>Other factors in the project context</b>	Structure and distribution of ECRs across consortium partners	PI, Proposal writing team, Project Management
	Dynamics and interactions between ECRs and other project partners	Project Management, ECR advisor, Project Team
	Dedicated resources and flexible funding for ECR development	PI, Proposal writing team, Project Management

communication or dissemination role). Trust is further built by active engagement with ECRs, repeatedly and continuously, especially at the beginning of the collaboration (e.g., through weekly meetings, (virtual) coffee chats). This expands upon the one-on-one relationships as seen in mentorships but as solid connections that allow for tailored outputs (Parsons and O’Conner 2023). Additionally, transparent and honest communication is essential to building trust and confidence (Erdem *et al.*, 2008). Advisors and supervisors should provide clear communication of expectations, as well as constructive and honest feedback. In this communication channel they should also ensure time for check-ins and to exchange updates that are interesting or relevant to the ECR.

On the other hand, the ability to encourage, acknowledge, and guide is an essential attribute of a mentor to build confidence in ECRs (Young 2014). This requires initiative and a commitment to staying engaged from a distance, striking a careful balance between proactively offering advice, sharing personal experiences and observations, and remaining approachable so that ECRs feel comfortable seeking support when needed. In the MYRIAD-EU project, this was reflected in regular update meetings (e.g., daily supervision, work package regular meetings), complemented by the availability of senior colleagues for one-on-one conversations. Additionally, timely responses to requests for brief meetings or questions were perceived as valuable in fostering a strong sense of belonging and boosting the ECR’s confidence.

Being an effective advisor also means being open and inclusive (Addy *et al.*, 2023; Atenas *et al.*, 2023) and considerate of the boundaries which ECRs set, especially with regards to their interests and availability. Acknowledging that ECRs are a diverse group of individuals involved in the research process can help tailor strategies to different experiences, reduce the risk of exploitation, and empower individuals, for example, by acknowledging (non-)science activities that contribute to professional development (Fischer *et al.*, 2022; Antes *et al.*, 2016). Finally, it is vital that project management, senior staff, and advisors are willing and motivated to attend ECR events, and vice versa. The participation of project partners in ECR-led and initiated events in MYRIAD-EU fostered mutual respect and the understanding that knowledge can be gained and shared at all career levels.

#### 4.2 Agency of ECRs to enable action

In reflection of identified examples of encouragement and empowerment, alongside a motivated and encouraging advisor, ECRs also need to possess an intrinsic motivation and agency, which the advisor or peer networks can encourage and awaken (Martin *et al.*, 2023). We want to underline that this is a highly individual trait, strongly influenced by the identity, socialization, experiences, and privileges of each ECR. Yet, based on the experiences in the MYRIAD-EU project, we believe that specific actions and intentions at varying degrees can already foster the empowerment of ECRs. One of these intentions is the willingness to step out of one’s comfort zone, such as asking for attention and initiating conversations with seniors, standing by their beliefs or preferences regarding time allocation, and embracing (partial) failure as part of the learning process. Senior staff can teach these lessons through shared experiences of success, failure, and challenges.

ECRs should also have an idea of what they want to learn, contribute, and communicate this to their senior colleagues, advisors, and peers (Chatzea *et al.*, 2022). In the context of MYRIAD-EU, support systems, such as informal get-togethers to share challenges, successes, and open questions, or bilateral conversations with other colleagues and friends, helped prioritize time allocation to different interests, develop ideas, and build confidence to stand by these ideas. They often served as the first level of receiving and responding to feedback and reflections from outside perspectives, preparing for more critical conversations with advisors or supervisors. Given that ECRs within MYRIAD-EU shared the same project goals, part of these support systems were embedded in the project context and thus offered additional contextualized peer-based support, such as opportunities for collaboration and co-promotion.

#### 4.3 External factors in the project context

Additionally, external factors play an integral role through indirect influences or the setting and context of the research project. First of all, luck and chance are involved, as opportunities sometimes arise unexpectedly and spontaneously, and they are beyond one’s control. It is the role of the advisor or more senior colleague to make ECRs aware of these opportunities and provide them equally and fairly. Along these lines, this external factor also encompasses the compatibility communication and working styles between ECRs, their advisors or supervisors, and other project partners, as discussed above in section 4.1.

Another essential factor is the availability of resources. Funding is crucial in determining one’s capacity for participation, mobility, and available time to activities beyond the core responsibilities in their role. Especially in the current academic climate, where the “publish-or-perish” culture persists, ECRs are particularly vulnerable to exploitation due to the pressures to publish to advance (their) careers and to quantify their accomplishments. This is exacerbated given concerns

around short-term contracts, work-life balance, and existing inequalities (Alderson *et al.*, 2023). Therefore, it is crucial to have appropriate and flexible funding strategies in place, accompanied by appropriate levels of administrative support. This ensures that essential resources are accessible and can be utilised to provide opportunities for ECRs as they progress through a project.

At the same time, the funding influences the structure of the consortium, the people involved and the time they have for the different required tasks, including mentoring of ECRs. In MYRIAD-EU, an ambitious project with numerous promised deliverables and outcomes, the project relied on a substantive amount of PhDs, Post-Docs, and other ECRs spread across the consortium. From our perspective, the structure of MYRIAD-EU proved to be a key factor in its success in pursuing ECR engagement and empowerment activities, as it offered the ‘right’ balance of career stages across partners. This mix incentivised ECRs to form a peer community, which provided a supportive group for exchange and collaboration which was further facilitated by the ECRB. At the same time, forming a cohesive group was significantly shaped by compatible personalities and interests - where some degree of chance played a role, given that the hiring process continued throughout the project’s lifetime. Nonetheless, we believe that structuring the project in a way that included a diverse, yet manageable size of ECRs at various stages of their career contributed significantly to fostering an environment of lively collaboration, excitement, and engagement.

## 5. Looking ahead

Over the four years of the MYRIAD-EU project, we had ample opportunity to reflect on how ECR empowerment could be scaled up in future research collaborations. Our reflections, shaped by our shared disciplinary backgrounds, professional interdependencies, and collective investment in the project’s success, are inherently biased. Furthermore, as the project had the broad intention to strengthen ECR empowerment, it did not include specific targets or objectives that could be used to compare the effectiveness or success of specific discussed measures against. Yet we believe they offer valuable and transferable insights that could be taken on-board in or compared with findings from future projects. Here, we offer practical suggestions for how current and prospective projects can support ECR empowerment and engagement, ranging from easy, low-hanging fruit initiatives to more ambitious endeavors. Additionally, we share recommendations for funding agencies on how they can encourage and institutionalize such empowerment across research projects.

### 5.1 Options to scale up empowerment in future projects

*Start small: give time and space (low-hanging fruit).*

In the scope of MYRIAD, we found that empowering ECRs doesn’t require a significant overhaul of project structures. Simple, intentional steps, such as giving ECRs active roles in WPs or representation in project management, can go a long way. Mechanisms like an **ECR board** or dedicated presentation slots at project meetings require little time or resources, but they signal that ECR voices matter. These structures create space for ECRs to actively reflect, speak up, and contribute to the strategic direction of a project. Importantly, they legitimize ECRs as researchers in their own right, ensuring their contributions are visible and valued.

Crucially, assigning ECRs a role in project management should come with a commitment to openness from senior colleagues. This openness allows ECRs to have a meaningful influence, even if they begin without formal leadership roles. The quality of their contributions will naturally vary depending on their level of engagement (same as any other work package lead or representative in the Management Team). Including such roles in project proposals requires the willingness to ‘pay forward’ due to an awareness and openness to challenge traditional project management.

*Mentorship and integration (medium effort).*

A slightly more involved but highly rewarding step is establishing consistent **mentorship and sponsorship structures**, particularly in the early stages of a project. As discussed in Section 3.1, supporting ECRs in understanding how their work fits into the broader research landscape can strengthen connections between tasks and lead to more integrated, impactful research.

An idea for scaling of this initiative is the creation of **tandem leadership roles**: pairing a senior colleague with an ECR to co-lead work packages or project roles (e.g., ethics, data management). This approach requires extra coordination and time but provides additional resources and continuity, especially as team members move positions or take personal breaks. Less familiar with the ways of work package management, ECRs might offer fresh perspectives and creative ideas to organize and deliver. At the same time, ECRs gain hands-on experience in project leadership, an invaluable step toward becoming an independent researcher. Conversely, the ECR may come with particular expertise needed (e.g., in ethics), which means they can offer mentoring to others.

*Support community-building (low-hanging fruit to high effort).*

We noticed that efforts to encourage the formation of an ECR community within and beyond the project can further enhance ECR engagement and commitment to the project objectives. Projects should ensure that ECRs, along with senior consortium members, have the opportunity and resources to frequently attend conferences and project meetings. This is important for joint participation of all levels of experience at these events. This exposure enhances their understanding of the project's broader context and enables them to bring new insights back to their work.

With greater effort, projects can create additional dedicated spaces for ECR collaboration. One example is **across-project writing retreats** that enable ECRs from different project partners to gain a better understanding of what others are doing, develop ideas for collaboration, or enhance existing collaborations through in-person work-sessions. Another example could be the active encouragement of ECRs to participate in research visits at partner institutions or beyond. It offers another invaluable opportunity for collaboration and developing as an independent researcher.

Ultimately, most of these community-building initiatives rely on having a dedicated budget for ECR-led or ECR-empowering activities. It all starts with forming project consortia, which have a sufficiently large number of ECRs in different career stages. Beyond that, budgets for activities might range from low-cost items, such as (local) conference participation, to medium-level efforts, like writing retreats, to higher-investment initiatives, such as research visits. The specific priorities of any given ECR community may vary by project and by the individual needs of those who make up the community. One approach to addressing this could be to allocate a specific budget more broadly for ECR activities, which could be further refined in the first year of a project in consultation with the ECRs.

## 5.2 Ideas on how funding bodies could incentivize empowerment within projects

Ultimately, funders shape the incentives and requirements that drive project behavior. If structural ECR empowerment is to become a norm rather than an exception in research projects, funding bodies must take an active role.

Some funding instruments, such as the EU's doctoral networks, explicitly incentivise the empowerment of ECRs, while others do this less explicitly. These latter funding opportunity types could encourage ECR empowerment by explicitly incorporating it in proposal templates and evaluation criteria. Of course, to make this actionable, project funding mechanisms should allow for the proposed empowerment activities. If ECR empowerment is included in evaluation criteria or key performance indicators (KPIs), with adequate funding, an impactful step for funders would be to include ECR empowerment in annual reporting templates. Even a few open-ended prompts, such as *"How has the project supported ECR involvement in management?"* or *"What strategies were used to support ECRs in becoming independent and critical researchers?"*, could be low-effort additions. Being asked to report on such questions will help project managers consider these aspects repeatedly. More structured reporting (e.g., project-wide surveys) could help surface both barriers and success stories, potentially benefiting other (underrepresented) groups as well.

Our recommendations are in line with those proposed by [Pizzolato et al. \(2023\)](#) as part of the SOPs4RI (Standard Operating Procedures for Research Integrity) project, which aimed to drive transformative change across European Research Performing Organisations and Research Funding Organisations. Specifically, we suggest that the European Commission and other funding agencies should: (1) establish support systems for the skill development and capacity building of ECRs, (2) facilitate the involvement of ECRs in decision-making roles, and (3) provide bridge funding to support researchers during fixed-term contracts. This would enable ECRs to participate in encouragement and engagement activities, such as those outlined in our MYRIAD-EU case study.

Creating or promoting targeted, centralized platforms for ECR networks across funded projects could additionally have lasting benefits. While we attempted within MYRIAD-EU to set up a research-focused, specific active ECR network, we faced structural constraints and limited engagement. At the same time, many platforms by funding bodies such as the European Commission already exist, but ECRs or project managers might not be aware of the most relevant ones. Funding bodies could offer guidance, experience, and support to project managers and ECRs, helping ECRs share experiences, exchange research content, and access guidance and resources. This ultimately amplifies the collective impact of publicly funded science.

## Disclaimer

The views expressed in this article are those of the author(s). Publication in Open Research Europe does not imply endorsement of the European Commission.

## Ethics and consent

Ethical approval and consent were not required.

## Data availability

No data are associated with this article.

## Acknowledgments

The authors thank members of the MYRIAD-EU consortium for fruitful and engaging discussion at project general assemblies regarding the topic of ECR empowerment. The authors also thank the participants of the European Geosciences Union 2025 Short Course “Best Practices for Early Career Researcher (ECR) Engagement and Empowerment in Research Projects” for assisting in alignment and validation of ideas presented in this perspective to that of the broader scientific landscape.

The authors additionally thank the three reviewers, Leanne Gibbs, Kofi Agyekum, and Liudvika Leišytė, for their thorough review and valuable feedback, which have significantly contributed to the improvement and refinement of this manuscript.

## References

- Addy TM, Addy NA, Hendrickson B, *et al.*: **Supporting mentees through inclusive mentorship.** *New Dir. Teach. Learn.* 2023; **2023**(175): 11–19.  
[Publisher Full Text](#)
- Alderson D, Clarke L, Schillereff D, *et al.*: **Navigating the academic ladder as an early career researcher in earth and environmental sciences.** *Earth Surf. Process. Landf.* 2023; **48**(2): 475–486.  
[Publisher Full Text](#)
- Atenas J, Nerantzi C, Bussu A: **A conceptual approach to transform and enhance academic mentorship: Through open educational practices.** *Open Praxis.* 2023; **15**(4): 271–287.  
[Publisher Full Text](#)
- Antes AL, Mart A, DuBois JM: **Are leadership and management essential for good research? An interview study of genetic researchers.** *J. Empir. Res. Hum. Res. Ethics.* 2016; **11**(5): 408–423.  
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
- Bálint E, Csuka D, Venglovecz V, *et al.*: **Six reasons to launch a Young Academy.** *Nature.* 2021; **594**: 599–601.  
[Publisher Full Text](#)
- Bozeman B, Corley E: **Scientists' collaboration strategies: implications for scientific and technical human capital.** *Res. Policy.* 2004; **33**(4): 599–616.  
[Publisher Full Text](#)
- Browning L, Thompson K, Dawson D: **From Early Career Researcher to research leader: survival of the fittest?** *J. High. Educ. Policy Manag.* 2017; **39**(4): 361–377.  
[Publisher Full Text](#)
- Campbell HA, Micheli-Campbell MA, Udyawer V: **Early Career Researchers embrace data sharing.** *Trends Ecol. Evol.* 2019; **34**(2): 95, 30573193–98.  
[Publisher Full Text](#)
- Chatzea VE, Mechili EA, Melidoniotis E, *et al.*: **Recommendations for young researchers on how to better advance their scientific career: A systematic review.** *Population Medicine.* 2022; **4**(September): 1–17.  
[Publisher Full Text](#)
- Cvitanovic C, Blythe J, van Putten I, *et al.*: **Building Successful International Summer Schools to Enhance the Capacity of Marine Early Career Researchers.** *Ocean and Society.* 2024; **1**: 9328.  
[Publisher Full Text](#)
- De Polt K, Claassen JN, Buijs SL, *et al.*: **How can we encourage and empower Early Career Researchers? Reflections on a short course held at EGU 2025.** *EGU blog.* 2025.  
[Reference Source](#)
- Erdem F, Aytemur JÖ: **Mentoring—A relationship based on trust: Qualitative research.** *Public Personnel Management.* 2008; **37**(1): 55–65.  
[Publisher Full Text](#)
- Fisher JJ, James JL: **Know the game: insights to help early career researchers successfully navigate academia.** *Placenta.* 2022; **125**: 78–83.  
[PubMed Abstract](#) | [Publisher Full Text](#)
- Færgeman NJ, Christiansen TSB, Repasky G: **Empowering early career researchers: academy-driven pathways to excellence.** *Nat. Rev. Endocrinol.* 2025; **21**: 325–326.  
[PubMed Abstract](#) | [Publisher Full Text](#)
- Hausermann H, Adomako J: **Positionality, 'the field,' and implications for knowledge production and research ethics in land change science.** *J. Land Use Sci.* 2022; **17**(1): 211–225.  
[Publisher Full Text](#)
- Kent BA, Holman C, Amoako E, *et al.*: **Recommendations for empowering Early Career Researchers to improve research culture and practice.** *PLoS Biol.* 2022; **20**(7): e3001680.  
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
- Laudel G, Gläser J: **From apprentice to colleague: the metamorphosis of Early Career Researchers.** *High. Educ.* 2008; **55**(3): 387–406.  
[Publisher Full Text](#)
- Martin A, Mori J, Froehlich DE: **Career development of early career researchers via distributed peer mentoring networks.** *Merits.* 2023; **3**(3): 569–582.  
[Publisher Full Text](#)
- Nicholas D, Watkinson A, Boukacem-Zeghmouri C, *et al.*: **So, are Early Career Researchers the harbingers of change?** *Learn. Pub., Learned Publishing.* 2019; **32**(3): 237–247.  
[Publisher Full Text](#)
- Parsons C, O'Conner P: **You've heard of mentorship in science, but what about sponsorship?** *Nature.* 2023.  
[Publisher Full Text](#)
- Pizzolato D, Reyes Elizondo A, Aubert Bonn N, *et al.*: **Bridging the gap – how to walk the talk on supporting early career researchers.** *Open Research Europe.* 2023; **3**(75).  
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
- Tiggeloven T, Pfeiffer S, Matanó A, *et al.*: **The role of artificial intelligence for early warning systems: Status, applicability, guardrails, and ways forward.** *iScience.* 2025; **28**(11)  
[Publisher Full Text](#)
- Ward PJ, Daniell J, Duncan M, *et al.*: **Invited perspectives: a research agenda towards disaster risk management pathways in multi-(hazard)-risk assessment.** *Natural Hazards and Earth System.* 2022; **22**(4): 1487–1497.  
[Publisher Full Text](#)
- Wilder EL, Tabak LA, Pettigrew RI, *et al.*: **Biomedical research: strength from diversity.** *Science.* 2013; **342**(6160): 798.  
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)
- Young KJ: **Research mentoring: Suggestions and encouragement from a reflection exercise.** *J. Chiropr. Educ.* 2014; **28**(2): 168–172.  
[PubMed Abstract](#) | [Publisher Full Text](#) | [Free Full Text](#)

# Open Peer Review

Current Peer Review Status:   

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## Version 2

Reviewer Report 18 May 2026

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### Leanne Gibbs

School of Education, Charles Sturt University, Bathurst, New South Wales, Australia

Thank you to the authors for thoroughly and thoughtfully addressing all reviewer feedback, including my own and that of the other reviewers. Your revisions have significantly strengthened the manuscript, and it is now a clear, well-argued, and engaging Open Letter.

I greatly appreciate the care taken in responding to the feedback and the comprehensive way in which the suggestions have been incorporated.

I am very pleased to say that I have no further comments and recommend the Open Letter for indexing.

**Competing Interests:** No competing interests were disclosed.

**Reviewer Expertise:** Leadership in ECEC, ECRs, Research groups

**I confirm that I have read this submission and believe that I have an appropriate level of expertise to confirm that it is of an acceptable scientific standard.**

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## Version 1

Reviewer Report 10 January 2026

<https://doi.org/10.21956/openreseurope.23275.r62367>

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**Liudvika Leišytė**

TU Dortmund University, Dortmund, North Rhine-Westphalia, Germany

The article provides an important contribution in helping understand the way a collaborative international research project is organized and how it can support the empowerment of early career researchers. The initiatives undertaken in the project implementation to foster the voice of early career researchers seem to have been influential and the recommendations derived from the study are highly relevant.

At the same time, the question is - what is the research problem that the authors aim to address? It needs to be better spelled out.

The empirical base of the paper includes perspectives and experiences of ECRs and senior researchers involved in the project implementation. It would be important to indicate to the readers, which disciplines were researched in the study? At the moment the findings seem to be generalised, but we know that there are different research cultures, which imply different epistemologies and ways of working (e.g. Becher (1989) on Tribes and Territories of different disciplines).

This means, that the findings may be applicable only to specific disciplines that were studied and particular type of collaborative project settings. This needs to be addressed in the methodology as well as discussion sections.

When discussing the success of the initiatives undertaken for empowerment of ECRs more empirical evidence needs to be provided, for instance, a few examples of new collaborative research initiatives would be helpful.

The limitations of the study need to be elaborated. What about the possible biases of the authors researching project implementation?

Please clarify what is meant by „it“ in the sentence „Along these lines, it also includes the compatibility of communication and working styles of ECRs, their advisors or supervisors, and other project partners.“

**Is the rationale for the Open Letter provided in sufficient detail? (Please consider whether existing challenges in the field are outlined clearly and whether the purpose of the letter is explained)**

Yes

**Does the article adequately reference differing views and opinions?**

Yes

**Are all factual statements correct, and are statements and arguments made adequately supported by citations?**

Partly

**Is the Open Letter written in accessible language? (Please consider whether all subject-**

**specific terms, concepts and abbreviations are explained)**

Yes

**Where applicable, are recommendations and next steps explained clearly for others to follow? (Please consider whether others in the research community would be able to implement guidelines or recommendations and/or constructively engage in the debate)**

Partly

**Competing Interests:** No competing interests were disclosed.

**I confirm that I have read this submission and believe that I have an appropriate level of expertise to confirm that it is of an acceptable scientific standard, however I have significant reservations, as outlined above.**

Author Response 13 Apr 2026

**Kelley De Polt**

RC - Reviewer Comment      A - Author Response

TR - Text Revision

Report 3:

(Liudvika Leišytė, TU Dortmund University, Dortmund, North Rhine-Westphalia, Germany; link)

— RC3.1:

The article provides an important contribution in helping understand the way a collaborative international research project is organized and how it can support the empowerment of early career researchers. The initiatives undertaken in the project implementation to foster the voice of early career researchers seem to have been influential and the recommendations derived from the study are highly relevant.

**AR3.1:** We thank this reviewer for taking the time to read and provide feedback on our manuscript. We are grateful for the recognition of the importance of the paper and have addressed the comments of all reviewers as outlined in our responses to further improve the manuscript. Additionally, we improved the readability and clarity of the text by some minor textual adjustments throughout the paper. The main modifications are as follows: We changed the format of the study to a case study framing to better align with the journal guidelines and better capture the scope and narrative of the manuscript. We added many additional references throughout the manuscript to better place our findings in the broader context of the scholarship. We added critical reflections on the insights produced, notably by adding a positionality statement.

In the following, we offer point-by-point responses. Responses to the review are written in a red font and numbered as AR (author response). Modifications in the text (TR, textual response) are marked in a blue font. In cases where smaller modifications within an existing paragraph are made, the changes are underlined; in cases where a new paragraph or section is added, we refrained from underlining for the sake of readability.

— RC3.2:

At the same time, the question is - what is the research problem that the authors aim to address? It needs to be better spelled out.

**AR3.2:** In this manuscript we want to explicitly reflect and share experiences on the topic of ECR empowerment in research projects. As such, we approach it from a very practical and lived-experience angle to share an account from one project that explicitly had the topic of ECR empowerment on its agenda. We agree that in the earlier version of the manuscript, this was not fully clear, which is why we adjusted the article format to a case study paper. As part of that change, we adjusted Section 1. Introduction (TR3.2) to better introduce the research problem.

TR3.2:

#### 1. Introduction

[...] In this study, we reflect how a research project, that explicitly accounts for the interests and needs of ECRs, effectively contributes to ECR empowerment and how it benefits from these efforts. We provide examples of ECR empowerment in a European research project and reflect on key factors that enabled such empowerment. Finally, we offer practical suggestions for how current and prospective projects can support ECR empowerment and engagement, from easy, low-hanging fruits to more ambitious initiatives. We additionally share recommendations for funding agencies on how they can encourage and institutionalize such empowerment across research projects.

— RC3.3:

The empirical base of the paper includes perspectives and experiences of ECRs and senior researchers involved in the project implementation. It would be important to indicate to the readers, which disciplines were researched in the study?

**AR3.3:** We thank the reviewer for this critical suggestion. As part of a new section (TR3.3) describing the case study and data collection, we also add a statement on the positionality, which includes reference to the represented disciplines, team dynamics and (ongoing) dependencies to give the reader a better view of the author team and potential biases.

TR3.3: 2. The case of MYRIAD-EU

MYRIAD-EU (Ward et al., 2022) was a four-year, EU Horizon 2020-funded project with a consortium composed of 19 project partners from universities, research institutions, NGO, and the private sector. The project aimed to provide policymakers, decision-makers, and practitioners with practical tools to create forward-looking disaster (multi-)risk management strategies. Central to the project were pilot study teams that tested methods developed within the project through a collaborative, co-design process with local stakeholders, addressing region- and sector-specific sustainability challenges.

In order to maximize the impact of the project, one of the measures implemented was to ensure a “prominent role for Early Career Researchers within the management structure” as promised in the project proposal. Consequently, the representation of ECRs and the explicit consideration of their interests, ideas and needs were viewed as a critical component of the project’s success. As a result, the project offers a promising step towards effective ECR empowerment that benefits both the ECRs and the project, making it a valuable and relevant case to study and reflect upon. Altogether, the project involved 133 participants, of which about 30% were considered ECRs at the beginning of the project (i.e., 30 early-stage and 11 late-stage). Most ECRs were employed as researchers from research institutes (n=17), PhDs (n=12), or Post-Docs (n=6) or tenure track positions at Universities (n=6) who had a primary role to contribute in the scientific work packages of MYRIAD-EU to develop

and test new methods and tools or other deliverables and milestones. Some of the late-stage ECRs have been involved in the proposal writing for MYRIAD-EU and took on management responsibilities for specific work packages or the project as a whole. 2.1. The process of collecting learnings and reflections

In the case study we draw on perspectives and experiences of ECRs at various career stages, as well as those of senior researchers. These insights were collected on multiple occasions and in various formats over the past four years, including informal conversations among ECRs and reflection sessions at various meetings (e.g., general assemblies) within the aforementioned project context. Additionally, we shared and validated our ideas on examples and key factors in a broader context through a short course at the European Geosciences Union (EGU) General Assembly (EGU25; Vienna, Austria) in April 2025. Since the beginning of MYRIAD-EU, an active network has been established among the ECRs. Prior to each project general assembly, they organized a dinner together to connect, share experiences, and discuss project progress, their work, amongst other things. Additionally, they held occasional online check-in talks, roughly once or twice a year, with the explicit purpose of sharing recent successes or challenges, providing support, and brainstorming ideas for upcoming project activities. These meetups established trust among ECRs and provided the ability to share experiences as an ECR navigating their career path. Although no formal notes had been taken during these dinners or informal meetings, they collectively shaped a picture of the state of ECRs in the project. Additionally, the ECRs organized a 2-hour workshop in the third year of the project. This workshop provided an opportunity to collect reflections on past experiences as ECRs in the project. They noted aspects they appreciated most, reflections they had regarding their role in the project, and aspects they thought would like to see changed, whether by themselves or by others in the project. The workshop also included a reflection on the remaining time in the project, where ECRs could share their plans, hopes, and wishes regarding their roles in the project, things to learn or to be involved in. To validate key examples identified by the ECRs themselves in their own workshop, a session at the final project general assembly was organized which engaged with the entire project consortium to reflect on the involvement of ECRs in the project. The session aimed to collect instances where ECR involvement was noticed and which positive or unexpected experiences were made. Project partners were also encouraged to suggest ideas for future empowerment. During this session, project partners had the opportunity to comment on and reflect upon the notes contributed by others. Additionally, they were tasked with ranking the collected aspects in terms of their perceived importance, ensuring these insights aligned with the broader consortium perspectives. 2.2. Positionality

Our background and experiences shape the knowledge we produce as researchers (see e.g., Hausermann & Adomako, 2022). We are a team of co-authors working in disaster risk research, with disciplinary foundations in engineering or the natural sciences and varying experience in qualitative and quantitative methodologies. All authors were directly involved in the implementation of the MYRIAD-EU project and associated activities. We therefore write from embedded positions: as ECRs ourselves, as project managers or advisors responsible for meeting the project's ambitions, and as members of an ECR board tasked with representing ECR interests in the management processes. Many of us are or were affiliated with the coordinating institution, which may shape how we interpret and present the project's outcomes. The study did not follow a predefined qualitative research design, nor was it conducted by an external team independent of the project's internal hierarchies and dependencies. As such, academic power dynamics, institutional affiliations, professional

relationships and the disciplinary context may have influenced both how experiences were expressed and how they are interpreted in this study. During the writing process, individual accounts were compared and discussed among co-authors in an effort to surface differing perspectives and critically question our interpretations. Nevertheless, the conclusions presented remain shaped by our shared disciplinary background, professional interdependencies, and collective investment in the project's success. As a result, we focus on promising empowerment examples rather than questioning what could have gone better. This might already be a very important learning and insight for new projects to take into account.

— RC3.4:

At the moment the findings seem to be generalised, but we know that there are different research cultures, which imply different epistemologies and ways of working (e.g. Becher (1989) on Tribes and Territories of different disciplines). This means, that the findings may be applicable only to specific disciplines that were studied and particular type of collaborative project settings. This needs to be addressed in the methodology as well as discussion sections.

**AR3.4:** As outlined in AR3.3, we added a positionality statement as part of the methods (see TR3.3) and have also refined the introduction of section 5. Looking ahead to explicitly mention this limitation.

TR3.4: 5. Looking ahead

Over the four years of the MYRIAD-EU project, we had ample opportunity to reflect on how ECR empowerment could be scaled up in future research collaborations. Our reflections, shaped by our shared disciplinary backgrounds, professional interdependencies, and collective investment in the project's success, are inherently biased. Furthermore, as the project had the broad intention to strengthen ECR empowerment, it did not include specific targets or objectives that could be used to compare the effectiveness or success of specific discussed measures against. Yet we believe they offer valuable and transferable insights that could be taken on-board in or compared with findings from future projects. [...]

— RC3.5:

When discussing the success of the initiatives undertaken for empowerment of ECRs more empirical evidence needs to be provided, for instance, a few examples of new collaborative research initiatives would be helpful.

**AR3.5:** We have enhanced our discussion by incorporating specific examples to illustrate the outcomes and follow-up activities of these initiatives. In the Theme 2 section (TR3.5), we have added examples of collaborative projects that have emerged from activities such as the ECR academy. For instance, papers have been published highlighting the fruitful collaborations between ECRs and senior researchers. Additionally, conference sessions organized by ECRs have attracted significant interest and led to further opportunities, particularly networking. Additionally, notably, the ECR academy was successfully hosted again in 2026. These outcomes underscore the sustained effort and continuity of our initiatives, which are essential for fostering a supportive empowerment of ECRs. TR3.5: 3.2.

Theme 2: Organization of events for ECRs - together with ECRs

Over time, these initial contacts evolved into both mutual support systems and mentoring, as well as extended professional networks. For example, ECRs began co-authoring manuscripts (e.g., Article in *Iscience*; Tiggeloven and Pfeiffer 2025), co-convening

conference sessions (e.g., EGU 2026 Session: Early Warning Systems (EWS): From Science to Action for Effective Disaster Risk Reduction), organizing workshops (e.g. short course on ECR empowerment at EGU 2024 and 2025), and initiating short-term research stays with partners they had met through the project. Another example is the concept of the DRR Academy which was carried forward and refined in a 2nd edition in 2025 by a newly composed group of early-career organisers.

— RC3.6:

The limitations of the study need to be elaborated. What about the possible biases of the authors researching project implementation?

**AR3.6:** As discussed in AR3.3, we have added a positionality statement to explicitly address the potential biases of the authors involved in the research and analysis. Additionally, the text discussing the forward-looking aspects has been adapted to incorporate this perspective, thereby reinstating our positioning within the broader context. Furthermore, we have highlighted how our findings have been validated and aligned with those of the broader geoscience domain.

— RC3.7:

Please clarify what is meant by „it“ in the sentence „Along these lines, it also includes the compatibility of communication and working styles of ECRs, their advisors or supervisors, and other project partners.“

**AR3.7:** We adjusted the section discussing external factors to enhance clarity. Thank you for pointing out the grammatical inconsistencies. We intended "it" to refer to the compatibility of communication and working styles mentioned earlier. The section has been revised accordingly, as outlined in TR3.7 below.

TR3.7: 4.3 External factors in the project context

Along these lines, this external factor also encompasses the compatibility of communication and working styles between ECRs, their advisors or supervisors, and other project partners, as discussed above in section 4.1. —

**Competing Interests:** No competing interests were disclosed.

Reviewer Report 07 January 2026

<https://doi.org/10.21956/openreseurope.23275.r66630>

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**Kofi Agyekum**

Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

The paper is an Open Letter reflecting on how Early Career Researchers (ECRs) can be meaningfully empowered within large, collaborative European research projects. It draws basically

on experiences from the MYRIAD-EU Horizon 2020 project. The paper argues that although ECRs constitute a substantial proportion of the research workforce, explicit strategies for their empowerment within projects is still underdeveloped.

Critically examining this manuscript, certain key strengths are evident. Its focus on ECR empowerment is highly relevant given current concerns about academic precarity, research culture, and workforce sustainability. Also, it offers strong, practice-based examples rather than abstract recommendations. Another key strength observed is that it is well-organized around themes, enabling factors, and offers forward-looking recommendations. The paper offers a balanced recognition of various multiple actors. It acknowledges the fact that empowerment is not only the responsibility of ECRs, but also of principal investigators, supervisors, project managers, and funders.

Notwithstanding these key strengths, various flaws exist that could be addressed to further improve it. The paper overly relies on one single case, i.e., the MYRAID-EU. This weakens the generalizability of the findings and makes it read more like a report from this project rather than a policy-oriented open letter. Another flaw is the fact that the core themes in the topic are not strongly underpinned by empirical or theoretical work. The nature of evidence presented is quite ambiguous. For instance, although the paper states that insights were gleaned from reflections, etc., it does not clarify how these reflections were gathered and analysed. Finally, this does not read more like an open letter as indicated earlier. It is more of a reflective case study.

Certain key areas could be improved to better position this manuscript to contribute to the body of knowledge. Please consider strengthening its alignment with the format for an open letter. The core themes (e.g., ECR Boards, Agency, Mentorship, Networking, etc.) could be well-situated within the current state-of-the-art. The nature and scope of the reflections could be further clarified.

## References

1. Schlumberger J, De Polt K, Claassen J, Tiggeloven T, et al.: Empowering ECRs to make research projects flourish: lessons from a European research project. *Open Research Europe*. 2025; **5**.  
[Publisher Full Text](#)

**Is the rationale for the Open Letter provided in sufficient detail? (Please consider whether existing challenges in the field are outlined clearly and whether the purpose of the letter is explained)**

Yes

**Does the article adequately reference differing views and opinions?**

No

**Are all factual statements correct, and are statements and arguments made adequately supported by citations?**

Partly

**Is the Open Letter written in accessible language? (Please consider whether all subject-specific terms, concepts and abbreviations are explained)**

Yes

**Where applicable, are recommendations and next steps explained clearly for others to**

**follow? (Please consider whether others in the research community would be able to implement guidelines or recommendations and/or constructively engage in the debate)**

Yes

**Competing Interests:** No competing interests were disclosed.

**Reviewer Expertise:** Sustainable construction, net-zero construction, green buildings

**I confirm that I have read this submission and believe that I have an appropriate level of expertise to confirm that it is of an acceptable scientific standard, however I have significant reservations, as outlined above.**

Author Response 13 Apr 2026

**Kelley De Polt**

Legend:

RC - Reviewer Comment      A - Author Response

TR - Text Revision

Report 2:

(Kofi Agyekum, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana; link)

—

RC2.1:

The paper is an Open Letter reflecting on how Early Career Researchers (ECRs) can be meaningfully empowered within large, collaborative European research projects. It draws basically on experiences from the MYRIAD-EU Horizon 2020 project. The paper argues that although ECRs constitute a substantial proportion of the research workforce, explicit strategies for their empowerment within projects is still underdeveloped. Critically examining this manuscript, certain key strengths are evident. Its focus on ECR empowerment is highly relevant given current concerns about academic precarity, research culture, and workforce sustainability. Also, it offers strong, practice-based examples rather than abstract recommendations. Another key strength observed is that it is well-organized around themes, enabling factors, and offers forward-looking recommendations. The paper offers a balanced recognition of various multiple actors. It acknowledges the fact that empowerment is not only the responsibility of ECRs, but also of principal investigators, supervisors, project managers, and funders.

**AR2.1:** We thank the reviewer for their thorough summary and positive words about our manuscript. We have addressed the comments of all reviewers as outlined in our responses. Additionally, we improved the readability and clarity of the text by some minor textual adjustments throughout the manuscript. The main modifications are as follows:

We changed the format of the study to a case study framing to better align with the journal guidelines and better capture the scope and narrative of the manuscript.

We added many additional references throughout the manuscript to better place our findings in the broader context of the scholarship.

We added critical reflections on the insights produced, notably by adding a positionality statement.

In the following, we offer point-by-point responses. Responses to the review are written in a

red font and numbered as AR (author response). Modifications in the text (TR, textual response) are marked in a blue font. In cases where smaller modifications within an existing paragraph are made, the changes are underlined; in cases where a new paragraph or section is added, we refrained from underlining for the sake of readability. —

RC2.2:

Notwithstanding these key strengths, various flaws exist that could be addressed to further improve it. The paper overly relies on one single case, i.e., the MYRAID-EU. This weakens the generalizability of the findings and makes it read more like a report from this project rather than a policy-oriented open letter.

**AR2.2:** We thank the reviewer for this comment. Indeed, as this and other reviewers have noted, the paper refers and reflects mostly to one project which seems unsuited for an Open Letter format. As a result, we decided to adjust the format to one of a case study paper. Open Research Europe describes case study publications as those which “[describe] actual interventions or experiences”. And they “accept case studies examining a person, place, event, phenomenon, or other type of subject of analysis in order to highlight key themes”. In our paper, we primarily present the case of MYRIAD-EU sharing reflections and lessons from the different ways ECR empowerment took place and how it benefitted both the ECRs and the project. As such a case study format seems to match the requirements by Open Research Europe. At the same time, our study is not a typical case study experiment which can easily be reproduced. It is rather a unique account of a specific, complex process and its outcomes which is why we originally opted for an Open research letter. In order to adjust the format, we add a new section 2 (see TR2.2) outlining the case study, the method for data collection and the data collection events themselves along with a statement on the positionality of our findings. TR2.2:

2. The case of MYRIAD-EU

MYRIAD-EU (Ward et al., 2022) was a four-year, EU Horizon 2020-funded project with a consortium composed of 19 project partners from universities, research institutions, NGO, and the private sector. The project aimed to provide policymakers, decision-makers, and practitioners with practical tools to create forward-looking disaster (multi-)risk management strategies. Central to the project were pilot study teams that tested methods developed within the project through a collaborative, co-design process with local stakeholders, addressing region- and sector-specific sustainability challenges.

In order to maximize the impact of the project, one of the measures implemented was to ensure a “prominent role for Early Career Researchers within the management structure” as promised in the project proposal. Consequently, the representation of ECRs and the explicit consideration of their interests, ideas and needs were viewed as a critical component of the project’s success. As a result, the project offers a promising step towards effective ECR empowerment that benefits both the ECRs and the project, making it a valuable and relevant case to study and reflect upon. Altogether, the project involved 133 participants, of which about 30% were considered ECRs at the beginning of the project (i.e., 30 early-stage and 11 late-stage). Most ECRs were employed as researchers from research institutes (n=17), PhDs (n=12), or Post-Docs (n=6) or tenure track positions at Universities (n=6) who had a primary role to contribute in the scientific work packages of MYRIAD-EU to develop and test new methods and tools or other deliverables and milestones. Some of the late-stage ECRs have been involved in the proposal writing for MYRIAD-EU and took on management responsibilities for specific work packages or the project as a whole. 2.1. The

process of collecting learnings and reflections

In the case study we draw on perspectives and experiences of ECRs at various career stages, as well as those of senior researchers. These insights were collected on multiple occasions and in various formats over the past four years, including informal conversations among ECRs and reflection sessions at various meetings (e.g., general assemblies) within the aforementioned project context. Additionally, we shared and validated our ideas on examples and key factors in a broader context through a short course at the European Geosciences Union (EGU) General Assembly (EGU25; Vienna, Austria) in April 2025. Since the beginning of MYRIAD-EU, an active network has been established among the ECRs. Prior to each project general assembly, they organized a dinner together to connect, share experiences, and discuss project progress, their work, amongst other things. Additionally, they held occasional online check-in talks, roughly once or twice a year, with the explicit purpose of sharing recent successes or challenges, providing support, and brainstorming ideas for upcoming project activities. These meetups established trust among ECRs and provided the ability to share experiences as an ECR navigating their career path. Although no formal notes had been taken during these dinners or informal meetings, they collectively shaped a picture of the state of ECRs in the project. Additionally, the ECRs organized a 2-hour workshop in the third year of the project. This workshop provided an opportunity to collect reflections on past experiences as ECRs in the project. They noted aspects they appreciated most, reflections they had regarding their role in the project, and aspects they thought would like to see changed, whether by themselves or by others in the project. The workshop also included a reflection on the remaining time in the project, where ECRs could share their plans, hopes, and wishes regarding their roles in the project, things to learn or to be involved in. To validate key examples identified by the ECRs themselves in their own workshop, a session at the final project general assembly was organized which engaged with the entire project consortium to reflect on the involvement of ECRs in the project. The session aimed to collect instances where ECR involvement was noticed and which positive or unexpected experiences were made. Project partners were also encouraged to suggest ideas for future empowerment. During this session, project partners had the opportunity to comment on and reflect upon the notes contributed by others. Additionally, they were tasked with ranking the collected aspects in terms of their perceived importance, ensuring these insights aligned with the broader consortium perspectives.

## 2.2. Positionality

Our background and experiences shape the knowledge we produce as researchers (see e.g., Hausermann & Adomako, 2022). We are a team of co-authors working in disaster risk research, with disciplinary foundations in engineering or the natural sciences and varying experience in qualitative and quantitative methodologies. All authors were directly involved in the implementation of the MYRIAD-EU project and associated activities. We therefore write from embedded positions: as ECRs ourselves, as project managers or advisors responsible for meeting the project's ambitions, and as members of an ECR board tasked with representing ECR interests in the management processes. Many of us are or were affiliated with the coordinating institution, which may shape how we interpret and present the project's outcomes. The study did not follow a predefined qualitative research design, nor was it conducted by an external team independent of the project's internal hierarchies and dependencies. As such, academic power dynamics, institutional affiliations, professional relationships and the disciplinary context may have influenced both how experiences were expressed and how they are interpreted in this study. During the writing process, individual accounts were compared and discussed among co-authors in an effort to surface differing

perspectives and critically question our interpretations. Nevertheless, the conclusions presented remain shaped by our shared disciplinary background, professional interdependencies, and collective investment in the project's success. As a result, we focus on promising empowerment examples rather than questioning what could have gone better. This might already be a very important learning and insight for new projects to take into account. —

RC2.3:

Another flaw is the fact that the core themes in the topic are not strongly underpinned by empirical or theoretical work. The nature of evidence presented is quite ambiguous. For instance, although the paper states that insights were gleaned from reflections, etc., it does not clarify how these reflections were gathered and analysed.

**AR2.3:** As part of the format adjustment, the added section is more explicit on the “data collection” process as discussed and presented in AR1.3 (see TR2.2). —

RC2.4:

Finally, this does not read more like an open letter as indicated earlier. It is more of a reflective case study.

**AR2.4:** We agree and thus changed the article format, see also our elaboration on that matter in **AR2.3** —

RC2.5:

Certain key areas could be improved to better position this manuscript to contribute to the body of knowledge.

**AR2.5:** We thank the reviewer for the feedback. As noted in the prior comments, we have addressed the key areas identified to strengthen the manuscript's contribution to the body of knowledge. In particular, we have revised the text to more clearly position our work within the broader literature, with particular attention to the points raised in earlier and comments to other reviewers too (e.g., RC1.5, RC1.7, and RC2.3). —

RC2.6:

Please consider strengthening its alignment with the format for an open letter.

**AR2.6:** Instead of strengthening the alignment with an open letter format, we adjusted the format to one for a case study article as argued and elaborated upon in AR2.3. —

RC2.7:

The core themes (e.g., ECR Boards, Agency, Mentorship, Networking, etc.) could be well-situated within the current state-of-the-art.

**AR2.7:** We thank the reviewer for their comment. We have enhanced the discussion of the identified themes and key factors when relevant literature is available. Given the absence of existing literature on examples similar to those employed in the scope of MYRIAD-EU, we want to emphasise the novelty of our work in filling this gap. Our findings, reflections, and recommendations do align with broader literature, particularly aligning with a recent project which aimed at driving transformative change across the European research landscape. We've further highlighted and added context to this in “5.2 Ideas on how funding bodies could incentivize empowerment within projects” (see TR2.7).

TR2.7:

## 5. Looking Ahead

"[...]

Our recommendations are in line with those proposed by Pizzolato et al. (2023) as part of the SOPs4RI (Standard Operating Procedures for Research Integrity) project, which aimed to drive transformative change across European Research Performing Organisations and Research Funding Organisations. Specifically, we suggest that the European Commission and other funding agencies should: (1) establish support systems for the skill development and capacity building of ECRs, (2) facilitate the involvement of ECRs in decision-making roles, and (3) provide bridge funding to support researchers during fixed-term contracts. This would enable ECRs to participate in encouragement and engagement activities, such as those outlined in our MYRIAD-EU case study.

[...]

"

—

RC2.8:

The nature and scope of the reflections could be further clarified.

**AR2.8:** As part of the new section outlining the case study and data collection process, we also add a section on our positionality highlighting potential biases in the analysis, perception and discussion of aspects (see AR2.3). Additionally, we refined the purpose of the study to more explicitly outline the nature and scope of the reflections.

—

**Competing Interests:** No competing interests were disclosed.

Reviewer Report 13 November 2025

<https://doi.org/10.21956/openreseurope.23275.r62364>

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### Leanne Gibbs

School of Education, Charles Sturt University, Bathurst, New South Wales, Australia

Thank you for the opportunity to review this Open Letter. Writing on ECRs and their experience is very valuable in the current climate where the experience of ECRs is critical to workforce sustainability in Universities.

I have checked the guidelines for submission and do not feel it is entirely compliant.

*The Open Letter Open letters are short, peer-reviewed articles discussing policies relevant to a broad research community, presenting guidelines or white papers, or announcing new initiatives.*

I believe the letter is successful in presenting guidelines or strategies but these represented an application of strategies in one project. It would be useful to present a contextual view here with some detail on the nature of the ECRs and the work they were required to engage with. This would

offer, as mentioned, a more fine grained view and the possibility of application in alternative contexts.

*An Open Letter should usually represent the views of an eligible project or group of projects; publication does not imply endorsement by the European Commission.*

*An Open Letter should not include new data and analysis (if it does, a Research Article may be more suitable). The decision whether an Open Letter meets these criteria and is suitable for publication and subsequent peer review ultimately lies with F1000's Head of Publishing.*

This is an account of a project rather than an account of the views of the group. I think the Open Letter would benefit from the presentation of views from the large team and how successful strategies were in their opinion. I was also interested in a view as to which strategies were useful for the different components of the ECR work.

Further citation and links to existing scholarship would be valuable. Although the format is different to an article, without citations or some context, the work reads more like a report of what worked and what didn't.

I believe it would also be valuable to discuss time and the possibility of exploitation of ECRs. Whilst agency and empowerment are critical to ECR advancement, it is also important to consider these in the context of resources available to ECRs and the need to constrain the obligations on ECRs so that they are able to pursue their own research if this is different to the research of the project. There is also a silence here on sponsorship and it would be valuable to have some insight into how sponsorship plays a role.

I appreciated the presentation of the themes and believe these could assist in a project with ECRs or in the supervision of ECRs. I would have found value in linking the themes to existing scholarship.

Thank you for considering this feedback.

**Is the rationale for the Open Letter provided in sufficient detail? (Please consider whether existing challenges in the field are outlined clearly and whether the purpose of the letter is explained)**

Yes

**Does the article adequately reference differing views and opinions?**

Partly

**Are all factual statements correct, and are statements and arguments made adequately supported by citations?**

Partly

**Is the Open Letter written in accessible language? (Please consider whether all subject-**

**specific terms, concepts and abbreviations are explained)**

Yes

**Where applicable, are recommendations and next steps explained clearly for others to follow? (Please consider whether others in the research community would be able to implement guidelines or recommendations and/or constructively engage in the debate)**

Yes

**Competing Interests:** No competing interests were disclosed.

**Reviewer Expertise:** Leadership in ECEC, ECRs, Research groups

**I confirm that I have read this submission and believe that I have an appropriate level of expertise to confirm that it is of an acceptable scientific standard, however I have significant reservations, as outlined above.**

Author Response 13 Apr 2026

**Kelley De Polt**

Legend: RC -Reviewer Comment A - Author Response TR - Text Revision Report 1: (Leanne Gibbs, Charles Sturt University, Victoria, New South Wales, Australia; [link](#)) —

RC1.1: Thank you for the opportunity to review this Open Letter. Writing on ECRs and their experience is very valuable in the current climate where the experience of ECRs is critical to workforce sustainability in Universities. AR1.1: We thank the reviewer for their thoughtful engagement with our work, as well as their appraisal of the value of this topic in the current academic landscape. We have addressed the comments of all reviewers as outlined in our responses. Additionally, we improved the readability and clarity of the text by some minor textual adjustments throughout the manuscript. The main modifications are as follows:

- We changed the format of the study to a case study framing to better align with the journal guidelines and better capture the scope and narrative of the manuscript.
- We added many additional references throughout the manuscript to better place our findings in the broader context of the scholarship.
- We added critical reflections on the insights produced, notably by adding a positionality statement.

In the following, we offer point-by-point responses. Responses to the review are written in a red font and numbered as AR (author response). Modifications in the text (TR, textual response) are marked in a blue font. In cases where smaller modifications within an existing paragraph are made, the changes are underlined; in cases where a new paragraph or section is added, we refrained from underlining for the sake of readability.

—RC1.2: I have checked the guidelines for submission and do not feel it is entirely compliant. The Open Letter Open letters are short, peer-reviewed articles discussing policies relevant to a broad research community, presenting guidelines or white papers, or announcing new initiatives. AR1.2: We thank the reviewer for this comment. Upon closer reflection of the different [article formats](#), we agree that the chosen format is not the best

suited one. As we will elaborate in more detail in respect to other reviewer comments (RC1.4; RC2.4; RC2.6), we decided to adjust the format to match the purpose and outline of a case study paper. The major adjustment in response is thus the addition of a new section (2. The case of MYRIAD-EU) which is a more explicit introduction of the case study and the data collection approach.

— RC1.3: I believe the letter is successful in presenting guidelines or strategies but these represented an application of strategies in one project. It would be useful to present a contextual view here with some detail on the nature of the ECRs and the work they were required to engage with. This would offer, as mentioned, a more fine grained view and the possibility of application in alternative contexts. AR1.3: We have added a new section, “2. The Case of MYRIAD-EU” (TR1.3) which includes subsections “2.1. The Process of Collecting Learnings and Reflections” and “2.2. Positionality”. In Section 2, we elaborate on the roles of ECRs within the project. Specifically, we detail that many ECRs were engaged in PhD research directly related to MYRIAD-EU, while mid-to-late stage ECRs took on responsibilities such as project or work package management. Additionally, other ECRs contributed as general researchers, focusing on specific tasks and milestones. This elaboration aims to provide a clearer understanding of the diverse roles ECRs played, enhancing the applicability of our strategies to other contexts.

TR1.3: 2. The case of MYRIAD-EU MYRIAD-EU (Ward et al., 2022) was a four-year, EU Horizon 2020-funded project with a consortium composed of 19 project partners from universities, research institutions, NGO, and the private sector. The project aimed to provide policymakers, decision-makers, and practitioners with practical tools to create forward-looking disaster (multi-)risk management strategies. Central to the project were pilot study teams that tested methods developed within the project through a collaborative, co-design process with local stakeholders, addressing region- and sector-specific sustainability challenges. In order to maximize the impact of the project, one of the measures implemented was to ensure a “prominent role for Early Career Researchers within the management structure” as promised in the project proposal. Consequently, the representation of ECRs and the explicit consideration of their interests, ideas and needs were viewed as a critical component of the project’s success. As a result, the project offers a promising step towards effective ECR empowerment that benefits both the ECRs and the project, making it a valuable and relevant case to study and reflect upon. Altogether, the project involved 133 participants, of which about 30% were considered ECRs at the beginning of the project (i.e., 30 early-stage and 11 late-stage). Most ECRs were employed as researchers from research institutes (n=17), PhDs (n=12), or Post-Docs (n=6) or tenure track positions at Universities (n=6) who had a primary role to contribute in the scientific work packages of MYRIAD-EU to develop and test new methods and tools or other deliverables and milestones. Some of the late-stage ECRs have been involved in the proposal writing for MYRIAD-EU and took on management responsibilities for specific work packages or the project as a whole. 2.1. The process of collecting learnings and reflections In the case study we draw on perspectives and experiences of ECRs at various career stages, as well as those of senior researchers. These insights were collected on multiple occasions and in various formats over the past four years, including informal conversations among ECRs and reflection sessions at various meetings (e.g., general assemblies) within the aforementioned project context. Additionally, we shared and validated our ideas on examples and key factors in a broader context through a short course at the European

Geosciences Union (EGU) General Assembly (EGU25; Vienna, Austria) in April 2025. Since the beginning of MYRIAD-EU, an active network has been established among the ECRs. Prior to each project general assembly, they organized a dinner together to connect, share experiences, and discuss project progress, their work, amongst other things. Additionally, they held occasional online check-in talks, roughly once or twice a year, with the explicit purpose of sharing recent successes or challenges, providing support, and brainstorming ideas for upcoming project activities. These meetups established trust among ECRs and provided the ability to share experiences as an ECR navigating their career path. Although no formal notes had been taken during these dinners or informal meetings, they collectively shaped a picture of the state of ECRs in the project. Additionally, the ECRs organized a 2-hour workshop in the third year of the project. This workshop provided an opportunity to collect reflections on past experiences as ECRs in the project. They noted aspects they appreciated most, reflections they had regarding their role in the project, and aspects they thought would like to see changed, whether by themselves or by others in the project. The workshop also included a reflection on the remaining time in the project, where ECRs could share their plans, hopes, and wishes regarding their roles in the project, things to learn or to be involved in. To validate key examples identified by the ECRs themselves in their own workshop, a session at the final project general assembly was organized which engaged with the entire project consortium to reflect on the involvement of ECRs in the project. The session aimed to collect instances where ECR involvement was noticed and which positive or unexpected experiences were made. Project partners were also encouraged to suggest ideas for future empowerment. During this session, project partners had the opportunity to comment on and reflect upon the notes contributed by others. Additionally, they were tasked with ranking the collected aspects in terms of their perceived importance, ensuring these insights aligned with the broader consortium perspectives.

## 2.2. Positionality

Our background and experiences shape the knowledge we produce as researchers (see e.g., Hausermann & Adomako, 2022). We are a team of co-authors working in disaster risk research, with disciplinary foundations in engineering or the natural sciences and varying experience in qualitative and quantitative methodologies. All authors were directly involved in the implementation of the MYRIAD-EU project and associated activities. We therefore write from embedded positions: as ECRs ourselves, as project managers or advisors responsible for meeting the project's ambitions, and as members of an ECR board tasked with representing ECR interests in the management processes. Many of us are or were affiliated with the coordinating institution, which may shape how we interpret and present the project's outcomes. The study did not follow a predefined qualitative research design, nor was it conducted by an external team independent of the project's internal hierarchies and dependencies. As such, academic power dynamics, institutional affiliations, professional relationships and the disciplinary context may have influenced both how experiences were expressed and how they are interpreted in this study. During the writing process, individual accounts were compared and discussed among co-authors in an effort to surface differing perspectives and critically question our interpretations. Nevertheless, the conclusions presented remain shaped by our shared disciplinary background, professional interdependencies, and collective investment in the project's success. As a result, we focus on promising empowerment examples rather than questioning what could have gone better. This might already be a very important learning and insight for new projects to take into account.

— RC1.4: An Open Letter should usually represent the views of an eligible project or group of projects; publication does not imply endorsement by the European Commission. An Open Letter should not include new data and analysis (if it does, a Research Article may be more suitable). The decision whether an Open Letter meets these criteria and is suitable for publication and subsequent peer review ultimately lies with F1000's Head of Publishing. This is an account of a project rather than an account of the views of the group. I think the Open Letter would benefit from the presentation of views from the large team and how successful strategies were in their opinion. I was also interested in a view as to which strategies were useful for the different components of the ECR work.

AR1.4: As indicated in response to AR1.2, we adjusted the article format to one of a case study. Open Research Europe describes case study publications as those which “[describe] actual interventions or experiences”. And they “accept case studies examining a person, place, event, phenomenon, or other type of subject of analysis in order to highlight key themes”. In our paper, we primarily present the case of MYRIAD-EU sharing reflections and lessons from the different ways ECR empowerment took place and how it benefitted both the ECRs and the project. As such a case study format seems to match the requirements by Open Research Europe. At the same time, our study is not a typical case study experiment which can easily be reproduced. It is rather a unique account of a specific, complex process and its outcomes which is why we originally opted for an Open research letter. In order to adjust the format, we add a new section 2 (please see above TR1.3) outlining the case study, the method for data collection and the data collection events themselves along with a statement on the positionality of our findings. As such we will make more explicit that the findings and reflections in this study are an account of views of the large project team, done via repeated informal check-in meetings between ECRs where they shared recent successes, challenges and general reflections regarding their views on the progress of the project, along with a dedicated workshop where ECRs reflected on their insights regarding ECR empowerment in the project and one workshop that had been conducted at the final project meeting with all project partners, where we together reflected on the key needs and benefits of ECR empowerment in the context of research projects. We agree that a reflection on the successfulness of different strategies is an interesting aspect of the analysis and we believe we have done this, particularly when considering the suggestions we make for other projects interested in following the example of MYRIAD-EU. Similarly, we doubt it would be helpful to discuss the ‘success’ in more detail as the project did not set out a set of objectives regarding ECR empowerment or we did not measure success, e.g. by means of KPI's. We added an additional paragraph as part of section 5 (Looking ahead) (TR1.4) explicitly touching upon the lack of systematic measurement of the success and performance gain due to efforts of ECR empowerment.

TR1.4: 5. Looking Ahead “[...] Our recommendations are in line with those proposed by Pizzolato et al. (2023) as part of the SOPs4RI (Standard Operating Procedures for Research Integrity) project, which aimed to drive transformative change across European Research Performing Organisations and Research Funding Organisations. Specifically, we suggest that the European Commission and other funding agencies should: (1) establish support systems for the skill development and capacity building of ECRs, (2) facilitate the involvement of ECRs in decision-making roles, and (3) provide bridge funding to support researchers during fixed-term contracts. This would enable ECRs to participate in encouragement and engagement activities, such as those outlined in our MYRIAD-EU case study. [...]”

— RC1.5: Further citation and links to existing scholarship would be valuable. Although the format is different to an article, without citations or some context, the work reads more like a report of what worked and what didn't. AR1.5: We thank the reviewer for this feedback. Throughout the manuscript, especially in the introduction as well as in "4. Key factors that enabled empowerment within MYRIAD-EU" and beyond which reflects on the underlying factors driving successful implementation, we've added a range of references to existing scholarship to contextualize but also further support the findings and suggestions we identified in the case of MYRIAD-EU. In other sections, we believe they are less needed given the adjusted format of the study, which is a case study work. Additional references included:

- Addy, T. M., Addy, N. A., Hendrickson, B., & Mitchell, K. A. (2023). Supporting mentees through inclusive mentorship. *New Directions for Teaching and Learning*, 2023(175), 11-19. <https://doi.org/10.1002/tl.20554>
- Alderson, D., Clarke, L., Schillereff, D., & Shuttleworth, E. (2022). Navigating the academic ladder as an early career researcher in earth and environmental sciences. *Earth Surface Processes and Landforms*, 48(2), 475-486. <https://doi.org/10.1002/esp.5497>
- Atenas, J., Nerantzi, C., & Bussu, A. (2023). A conceptual approach to transform and enhance academic mentorship: Through open educational practices. *Open Praxis*, 15(4), 271-287. <https://doi.org/10.55982/openpraxis.15.4.595>
- Antes, A. L., Mart, A., & DuBois, J. M. (2016). Are leadership and management essential for good research? An interview study of genetic researchers. *Journal of Empirical Research on Human Research Ethics*, 11(5), 408-423. <https://doi.org/10.1177/1556264616668775>
- Bálint, E., Csuka, D., Venglovecz, V., Schlosser, G., Lázár, Z., Gselmann, E., Alpár D., & Solymosi, K. (2021). Six reasons to launch a Young Academy. *Nature*, 594, 599-601. <https://doi.org/10.1038/d41586-021-01682-9>
- Bozeman, B. & Corley, E. (2004). Scientists' collaboration strategies: implications for scientific and technical human capital. *Research Policy*, 33(4), 599-616. <https://doi.org/10.1016/j.respol.2004.01.008>
- Chatzea, V. E., Mechili, E. A., Melidoniotis, E., Petrougaki, E., Nikiforidis, G., Argyriadis, A., & Sifaki-Pistolla, D. (2022). Recommendations for young researchers on how to better advance their scientific career: A systematic review. *Population Medicine*, 4(September), 1-17. <https://doi.org/10.18332/popmed/152571>
- Cvitanovic, C., Blythe, J., van Putten, I., Maddison, L., Bopp, L., Brodie, S., Fulton, B. A., Lopes, P. F., Pecl, G., Penca, J., & Sumaila, U. (2024). Building Successful International Summer Schools to Enhance the Capacity of Marine Early Career Researchers. *Ocean and Society*, 1, Article 9328. <https://doi.org/10.17645/oas.9328>
- Erdem, F., & Aytemur, J. Ö. (2008). Mentoring—A relationship based on trust: Qualitative research. *Public Personnel Management*, 37(1), 55-65. <https://doi.org/10.1177/009102600803700104>
- Fisher, J. J., & James, J. L. (2022). Know the game: insights to help early career researchers successfully navigate academia. *Placenta*, 125, 78-83. <https://doi.org/10.1016/j.placenta.2021.10.013>
- Færgeman, N.J., Christiansen, T.S.B. & Repasky, G. (2025). Empowering early career researchers: academy-driven pathways to excellence. *Nature Reviews Endocrinology*,

21, 325–326. <https://doi.org/10.1038/s41574-025-01110-2>

- Hausermann, H., & Adomako, J. (2022). Positionality, 'the field,' and implications for knowledge production and research ethics in land change science. *Journal of Land Use Science*, 17(1), 211–225. <https://doi.org/10.1080/1747423X.2021.2015000>
- Martin, A., Mori, J., & Froehlich, D. E. (2023). Career development of early career researchers via distributed peer mentoring networks. *Merits*, 3(3), 569-582. <https://doi.org/10.3390/merits3030034>
- Parsons, C. & O'Conner, P. (2023) You've heard of mentorship in science, but what about sponsorship?. *Nature*. <https://doi.org/10.1038/d41586-023-00123-z>
- Pizzolato, D., Reyes Elizondo, A., Aubert Bonn, N., et al. (2023). Bridging the gap – how to walk the talk on supporting early career researchers. *Open Research Europe*, 3(75). <https://doi.org/10.12688/openreseurope.15872.1>
- Young, K. J. (2014). Research mentoring: Suggestions and encouragement from a reflection exercise. *Journal of Chiropractic Education*, 28(2), 168-172. <https://doi.org/10.7899/JCE-14-7>

— RC1.6: I believe it would also be valuable to discuss time and the possibility of exploitation of ECRs. Whilst agency and empowerment are critical to ECR advancement, it is also important to consider these in the context of resources available to ECRs and the need to constrain the obligations on ECRs so that they are able to pursue their own research if this is different to the research of the project. There is also a silence here on sponsorship and it would be valuable to have some insight into how sponsorship plays a role. AR1.6: We appreciate the suggestion regarding additional discussion on key factors involved in the engagement and empowerment of ECRs. In response to the addition of literature on exploitation, we have added to our discussion in Section 4.3 "External factors in the project context" (TR1.6), by adding information on resource allocation, particularly focusing on funding and administrative support. This addition highlights how these factors can impact ECRs development and opportunities and the measures taken to prevent their exploitation. Prior literature has validated the link between exploitation to these elements. Regarding sponsorship, we have integrated this concept into Section 4.1 "Direct influences and advisory support" (TR1.6). We discuss the importance of trust between advisors and ECRs, emphasising how sponsorship requires the advisors to trust ECRs, to facilitate the leveraging of their resources and especially networks.

TR1.6: 4.1 Direct influences and advisory support [...] Being an effective advisor also means being open and inclusive (Addy et al., 2023; Atenas et al., 2023) and considerate of the boundaries ECRs set - especially with regards to their interests and availability. Acknowledging that ECRs are a diverse group of individuals involved in the research process can help tailor strategies to different experiences, reduce the risk of exploitation and empower individuals, for example, by acknowledging (non-)science activities that contribute to professional development (Fischer et al., 2022; Antes et al., 2016). [...] 4.3 External factors in the project context [...] Another essential factor is the availability of resources. Funding is crucial in determining one's capacity for participation, mobility, and available time to activities beyond the core responsibilities in their role. Especially in the current academic climate, where the "publish-or-perish" culture persists, ECRs are particularly vulnerable to exploitation due to the pressures to publish to advance (their) careers and to quantify their accomplishments. This is exacerbated given concerns around short-term contracts, work-life balance, and existing inequalities (Alderson et al., 2023). Therefore, it is crucial to have appropriate and flexible funding strategies in place, and accompanied by

appropriate levels of administrative support. This ensures that essential resources are accessible and can be utilised to provide opportunities for ECRs as they progress through a project.

— RC1.7: I appreciated the presentation of the themes and believe these could assist in a project with ECRs or in the supervision of ECRs. I would have found value in linking the themes to existing scholarship. AR1.7: We thank the reviewer for their feedback. We appreciate the suggestion to link the themes more explicitly to existing scholarship. In adjusting the format of the manuscript from an open letter to a case study (as suggested by comments RC1.2; RC1.4), the key themes we identified are to recount the MYRIAD-EU experiences. In response, we have integrated additional literature into the discussion of the synthesised key factors and recommendations for future projects in looking ahead (see also AR1.5). We believe this aligns with the suggestion and adds to the manuscripts place setting in the literature.

— RC1.8: Thank you for considering this feedback. AR1.8: We thank the reviewer for their feedback and have taken all of it into consideration. —

**Competing Interests:** No competing interests were disclosed.