

Consejos generales para la preparación de propuestas: Lecciones aprendidas de los ESRs

TALLER DE PREPARACIÓN DE PROPUESTAS
CLÚSTER SALUD 2024

Madrid, 15 de marzo de 2024



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



oficina
europea

Excelencia

- OBJECTIVES AND AMBITION

“Overall, the objectives are clearly presented, realistic and relevant to the topic. However, the measurability of the proposed objectives is not sufficiently described.”

“The objectives are realistic, although their measurability and verification are not fully convincing since quantitative descriptors or indicators are not sufficiently presented.”

“The objectives are not clearly coupled with well-defined Key performance indicators (KPIs).”

“Overall, they are measurable, verifiable and achievable, but they are not convincing enough, because the reasoning behind the Key Performance Indicators (KPIs) is not sufficiently justified.”

“Overall, the objectives are sufficiently verifiable and measurable, however, some objectives are not realistic,”

“However, insufficient information is provided on how the achievement of objectives will be measured and verified, negatively affecting their credibility.”

1

Incluir **objetivos realistas (pero ambiciosos) ligándolos a KPIs** que permitan la cuantificación y aporten credibilidad.

Excelencia

- OBJECTIVES AND AMBITION

“However, it does not convincingly address all the proposed aspects, expected in the topic (e.g., the technical aspects).

“However, the proposal is only partially aligned with the call”

“However, they are only partially aligned to the topic of the Work Programme as the proof-of-concept/first-in-human studies are not included within the proposal.”

“The project objectives are well presented, clear and pertinent and well aligned with the work programme. However, their relation to the activities listed in the topic’s scope is not sufficiently addressed”

2

Revisar el topic e incluir todos los aspectos que se piden. Especial atención a **some/several/most/all**.

Excelencia

• OBJECTIVES AND AMBITION

“The proposal is ambitious in scope but progress beyond the state of the art is not well demonstrated.”

“However, the state-of-the-art is not sufficiently addressed to convince that the proposed work goes beyond it. The specific advancements and breakthroughs that this proposal will bring to the field are not clearly presented.”

“the progress beyond the state of the art is not fully substantiated, both in the psychosocial field and in the technology domain.”

“The proposal does not go convincingly beyond the state of art”

“The advancement beyond the state-of-the-art is comprehensively discussed although not always sufficiently supported by references, ”

“The project is ambitious, thanks to its technical complexity (Artificial Intelligence (AI), ventilation modules, patient specific simulations), and, from this point of view, it goes beyond the state-of-the-art. However, from a clinical perspective, the progress beyond the state-of-the-art is described in a less convincing manner.”

3

Hacer un análisis del SoA (y sus limitaciones) y cómo con el proyecto voy a ir beyond SoA en todos sus ámbitos.
Incluir referencias claves que den credibilidad.

Excelencia

- OBJECTIVES AND AMBITION

“Novel research and innovation (R&I) concepts and R&I maturity are not clearly addressed in the proposal.”

“The technology readiness and maturity levels are identified, but not sufficiently explained.”

“The advancement of TRL is insufficiently described”

“Achieving TRL7-8 as stated is not realistic with the proposed activities since steps to achieve a commercial product are not sufficiently explained”

“The maturity of research is starting from TRL2/3 (Model conceptualization and model incubation), however the final TRL the applicants aim to arrive at is unclear.”

“The TRLs range from 3 to 6 at the beginning and are expected to range between 7 and 8 by the end. However, as the final stage targets to achieve either TRL7 or TRL 8, there is insufficient information about the intermediary steps that must be performed for such matured technologies.”

4

Si se hace uso de los TRLs, se debe justificar de forma realista el punto inicial, estadios intermedios y punto final. Esto irá acompañado de tareas-presupuesto-impacto.

Excelencia

• METHODOLOGY

“The methodology and models that underpin the work are not clearly specified in the proposal. The information provided is general in nature and it does not address the specific challenges identified in the proposal. This is a significant weakness.”

“the proposed methodology is not fully credible, while the rationale of several actions is not sufficiently convincing.”

“However, the procedures to be used for the omics strategy are not sufficiently elaborated.”

“However, some parts of the methodology are not well integrated with the whole proposal. For example: the section on patient samples is not well linked to other parts of the proposal which makes it difficult to follow the reasoning of the applicants. In addition, the description of murine models is insufficiently detailed.”

“However, some aspects of the concepts, models and assumptions are described only superficially and lack sufficient clarity to substantiate, e.g. the rationale and the methodology of the fMRI analysis”

However, the description is inadequate since it focuses mostly on the rationale rather than on the methodology itself.

The methodology lacks important details

5

Descripción técnica y detallada de la metodología. Relacionarlo con WP para que se mantenga la coherencia en la propuesta.

Excelencia

• METHODOLOGY

“Furthermore, the statistical analysis that will be employed is insufficiently detailed”

“There is insufficient description of the expected statistical variability, leading to lack of clarity about statistical issues for example the power calculations.”

“Furthermore, regarding brain imaging data, the case-control studies recruitment details lack sufficient explanation for the numbers selected.”

“Insufficient information is provided on the volumes of individual cohorts/databases and how standardised and balanced these data are”

“The clinical study is described in the annex but it lacks sufficient details.”

“However, the methodology of the pilot studies has shortcomings, such as the sampling strategy, which seems not entirely suitable”

“There are some concerns related to the clinical trial intervention doses and frequencies.”

“However, the clinical study validation methodology is insufficiently convincing. The studies are not adequately designed to test the efficacy of the intervention procedures. The small sample size of healthy volunteers in the clinical studies is insufficiently justified.”

6 Intentar dar detalles de los **análisis estadísticos** que se van a realizar y de los **estudios clínicos**. Usar el anexo de EECC ampliar detalles.

Excelencia

• METHODOLOGY

“The proposed work includes the use of artificial intelligence (AI), but the approach and systems planned are just briefly overviewed. References to various AI models and techniques are mentioned, but there is limited information presented on the process, integration procedure, or data to be used, which means the robustness of the AI system cannot be assessed.”

“The way the consortium plans to use Artificial Intelligence (AI) is also not clearly presented, therefore is not possible to fully assess the robustness of the AI solution.”

“The proposal involves utilising AI and Bayesian approaches, but how it fits the overall system science approach is under-described.”

“The proposed work includes the use of Artificial Intelligence, but there is a lack of elaboration on the robustness of Artificial Intelligence machine learning”

“However, the role of AI technology in the proposed intervention is not sufficiently elaborated”

“It is insufficiently demonstrated how specific machine learning models (e.g., reinforcement learning) will be employed”

7

Si se va a usar AI/modelos computacionales complejos (no obligatorio, a no ser que se especifique en el topic) hay que justificarlo y dar **detalles que permitan evaluar la robustez técnica**.

Excelencia

• METHODOLOGY

“An inter-disciplinary approach is outlined, but the integration of different disciplines is not detailed enough. For example, the approach of needs analysis and codesign does not take enough in consideration relevant clinical concepts.”

“The interdisciplinary approach described encompasses many disciplines. However, it is not clearly described how they would be managed, brought together, and integrated into the pursuit of the objectives.”

“However, the applicant does not sufficiently describe how expertise and methods from different disciplines will be brought together and integrated in pursuit of the objectives”

“There is a lack of explanation on how the expertise and methods from different disciplines will be brought together and integrated to pursue the proposal's objectives.”

“While different disciplines, including social sciences and humanities, are clearly present, it is not explicitly spelled out how some of them will be integrated.”

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Multi-disciplinarietà vs **inter-disciplinarietà**: ¿cómo se van a relacionar las diferentes disciplinas del proyecto?

Excelencia

• METHODOLOGY

“The integration of Social Sciences and Humanities (SSH) is mentioned, but described in a very generic way.”

“However, appropriate involvement of social sciences approaches that would be both pertinent and truly interdisciplinary, is inadequately considered.”

“The integration of social sciences and humanities in the methodology is inadequately developed and limited mainly to unidirectional outreach.”

“The integration of the dimension of Social Sciences and Humanities (SSH) in the research activities is recognized but not convincingly described”

“It is not clear how Social Sciences and Humanities (SSH) is integrated into the methodology”

“The proposal is limited in demonstrating effective contribution from social sciences and humanities (SSH), or core involvement of SSH experts or institutions, as required by the call topic.”

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La integración de expertos en SSH debería hacerse desde el principio para que realmente se vea reflejada en la propuesta.

Excelencia

- **METHODOLOGY**

“The gender dimension is not articulated convincingly, as the proposal does not clearly describe how it is integral to the participatory approach.”

“The gender dimension in research and innovation content is well addressed. However, the gender dimension in the development of AI is not sufficiently considered.”

“The gender dimension is addressed. However, it is mostly mentioned in regard to the clinical trial but not sufficiently in the animal experiments.”

“Insufficient information is provided to support corresponding design of investigating gender-specific differences.”

“The gender dimension of the research is not sufficiently discussed.”

“The gender dimension in research and innovation content is not convincingly addressed, since it is generic and insufficiently considers the proportionally high involvement of women in the healthcare field”

10

Analizar aspectos de **género en todos los aspectos de la investigación** que vayamos a hacer (experimentación animal, EECC, incidencia, afectación,...) y que sea coherente con el resto de la propuesta si incluimos tareas específicas.

Excelencia

• METHODOLOGY

“The quality of open science practices and management of research outputs including data management are not sufficiently detailed. While data management will be regularly updated during the course of the project, it is unclear how it will proceed after the end of project, at which time some surveys will be continuing”

“The open science practices are stated however plans for open access to data, and other aspects are insufficiently detailed”

“Open science practices are considered although they are briefly described. The proposal does not clearly detail the accessibility to the data generated on public repositories and platforms.”

“A shortcoming of the proposal is that a clear mechanism to facilitate transparent data access and a common approach for management of ethical issues are not well developed.”

“The research data management is described in insufficient details.”

“Research data management plan is outlined and respect the FAIR principles but lacks some details.”

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No nos limitemos a los estándares/normativa requerida, dar el máximo de **detalles específicos** en las secciones de Open Science y Research Data Management.

Impacto

• PROJECT'S PATHWAYS TOWARDS IMPACT

"However, potential negative impacts of the work are insufficiently"

"However, some of the suggested long-term impacts, like measurable reduction of deaths and illnesses are too ambitious, as they depend on multiple factors falling outside the scope of the proposal."

"Nevertheless, pathways to the call specific, as well as to wider (longer term), impacts are not explicitly described."

"Pathways to impact future clinical decision making are not convincingly covered."

"the pathways do not provide sufficient detail to give confidence that the impacts could be achieved."

"The pathways to achieve the expected outcomes and impacts are sufficiently justified thus, are at a good level of credibility, although the ambitious projections are not adequately substantiated."

"There is an inadequate analysis of what effect or impact the project results will actually generate in clinical practice or society at large."

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Tratar de identificar outcomes e impactos (**positivos y negativos**) tanto científicos, económico/tecnológico y social a los que nuestro proyecto **directa y significativamente contribuye**. Intentar ser **ambicioso pero realista** y basado en referencias para dar credibilidad.

Impacto

• PROJECT'S PATHWAYS TOWARDS IMPACT

“The baselines extracted from earlier research, to be used to judge success in several of the KPIs related to impact, such as specified percentage decreases in hospital (re)admissions, are not clearly described in the proposal.”

“The scale and significance of the project’s contribution to the expected outcomes and impacts are potentially big but the quantifiers provided in the proposal are not fully convincing.”

“the scale and significance of the project’s contribution to the expected outcomes and impacts is appropriately quantified with KPIs. However, some of these KPIs are overambitious, and without convincing justification.”

“The scale and significance of the project's contribution to the expected results and impacts are not convincingly presented”

“However, the significance is identified but not sufficiently quantified, e.g. in relation to health care costs saved or reduction of sick leave.”

“The scale and the significance of impacts are insufficiently addressed. There is not enough quantitative information on the sizes of the affected population, the economic impacts, or on the prevalence of the problem.”

“Some of the related quantified claims regarding the scale and significance, are insufficiently substantiated and justified. For example, the use of precise percentages in claims on the increase of open disclosure is used without sources or justification.”

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Tratar de **cuantificar de manera justificada** los outcomes e impactos al máximo.

Impacto

• PROJECT'S PATHWAYS TOWARDS IMPACT

“The identified potential barriers to the expected outcomes and the respective mitigation measures are described in a generic way.”

“The potential barriers to the expected outcomes and impacts are inadequately addressed, and the mitigation measures are insufficiently provided.”

“Overall, the potential barriers to achieving expected outcomes and impacts, as well as the expected mitigation measures, are well addressed in the proposal. However, the legal and regulatory barriers are not sufficiently described”

“the barriers related to users' acceptance of the proposed interventions, as well as the linked mitigation measures, are not sufficiently well addressed.”

“The potential barriers to the expected outcomes and impacts are partially identified. However, the mitigation measures are not sufficiently elaborated and supported by specific details.”

A number of requirements and potential barriers to achieving the impact have been identified, but elaborated in a manner that does not fully align with the complexity and the scale of the project.”

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Identificar barreras (regulatorio, aceptación, clínico, transferencia de datos, ...) para los outcomes/impactos + establecer **medidas mitigación claras.**

Impacto

- MEASURES TO MAXIMISE IMPACT – DISS, EXPLO, COMM

“The dissemination and communication plan will be developed in the first months of the project; information offered in the proposal is not sufficient to assess the quality of the potential communication and dissemination plan.”

“However, some indicators regarding conferences, publications or other means to share project results are not clearly defined.”

“The dissemination plan is not properly detailed. Although the proposal specifies the target audiences to which they would disseminate the information, it does not describe adequately which measures, channels, and tools would be used while sharing the information.”

“The dissemination and communication plans are provided but lack sufficient details with respect to the target groups.”

“However, the proposal insufficiently details how proposal findings are to be communicated to different target audiences, beyond the academic audience”

“However, the number of peer-reviewed research publications is overly ambitious.”

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Identificar estrategias de comunicación y difusión diferenciadas: **grupos, canales, mensaje, KPIs.**

Impacto

• MEASURES TO MAXIMISE IMPACT – DISS, EXPLO, COMM

“There is an outline on the development, protection, and management of IP, which lacks some details,”

“The exploitation of project results is not convincingly elaborated and includes unconvincing targets.”

“While the impacts of this project will directly and indirectly produce an impact on several industries, exploitation of project results is insufficiently considered.”

“The exploitation strategy for managing intellectual property is not outlined sufficiently, with for example insufficient detail on management of potential patent applications, licensing agreements, or other strategies for ensuring the proposal's intellectual property.”

“However, relevant aspects for commercialization such as validation and regulatory pathways are insufficiently considered.”

“The proposal presents a list of potential exploitable results. However, exploitation strategies are not adequately elaborated, and intellectual property elements are vaguely outlined.”

The management of intellectual property is appropriately considered. However, the exploitation plan presented lacks clarity on the nature of possible IPR arising from the proposal.

Industrial involvement is insufficiently considered in the consortium to ensure exploitation of the results.

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Identificar resultados explotables (estrategia de IP o Open Science) y establecer estrategias de explotación clara, sobre todo cuando esperamos alcanzar TRLs elevados.

Calidad y eficiencia de la implementación

• WORK PLAN AND RESOURCES

“However, the proposal does not demonstrate convincingly the specific details of individual work packages. The duration of the work packages is also inadequately justified...The five years duration of the project is not well justified.”

“However, the proposal does not present a distribution per task and per partner”

“The linkages between the WPs are not sufficiently presented and the timeframe is insufficiently clear, thus making it difficult to assess the logical structure and phases of the project. ”

“However, the description of work packages is not uniform, some of them are detailed and well-formulated, while others do not adequately address all the necessary details...there is not a good interconnection on their activities”

“The time frame for administrative work is, for example, unclear, given the ambitiousness of the proposal. There is also a lack of apparent logic in the activities and some tasks are not specific or measurable. Furthermore, there are some inconsistencies between the Gantt chart and work packages.”

“The Gantt chart does not adequately capture the interdependencies among the work packages..”

“ The timeline within some work packages is not well justified.”

“ The descriptions of some of the technical tasks have limited in-depth detail.”

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Establecer una clara organización de WP (identificando links entre WP y Gantt claro), detallar tareas, participación socios, tiempos.

Calidad y eficiencia de la implementación

• WORK PLAN AND RESOURCES

“However, the allocation of resources in terms of person-months is imbalanced, with Partner X having an exceptionally high proportion.”

“The description of workload and effort sharing amongst the partners is not fully convincing. For example, the relatively high budget allocation to the Coordinator in relation to other partners.”

“In addition, the resource distribution across the consortium is not well balanced, with very high levels of resources assigned to just two partners, and two other partners with minimal resource allocations. The adequacy of the allocation of limited resources to the exploitation, dissemination and communication aspects are also not convincing”

“Timing and resources allocated to some of the work packages (including person months) are not well aligned with the overall objectives and deliverables.”

“However, the effort allocated to some work packages is not fully justified by the described activities.”

“Although there is specific mention to some partners within the task descriptions this is not well translated into corresponding effort.”

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Coherencia entre Objetivos – WP – Tareas – PM & costes.

Calidad y eficiencia de la implementación

• WORK PLAN AND RESOURCES

“The number and timing of milestones do not allow proper monitoring of progress, as they are not clearly linked to landmarks or critical points”

“The milestones' means of verification refer to tasks rather than deliverables, quantified indicators, or observable results.”

“Milestones for the last period of the project are not sufficiently considered.”

“However, associated milestones are not clearly specified for some of the work packages.”

“Several milestones are defined, however mostly focus on the later parts of the proposal timeline, which limits the possibility of monitoring the proposal implementation.”

“However, the deliverables described are mainly reports and they do not satisfactorily reflect the expected outputs of the proposal, e.g., models, data, etc.”

“ Deliverables and milestones are not consistent with the complexity of the related tasks and the scale of the proposed research. ”

“ Additionally, the means of verification and monitoring are not sufficiently addressed since the deliverables are mainly consisting of reports. ”

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Deliverables y Milestones (para todos los WPs) que permitan monitorizar el proyecto

Calidad y eficiencia de la implementación

• WORK PLAN AND RESOURCES

“The project anticipates some large external subcontracts, which are partially related to core subtasks of the proposal , and a justification for these planned expenditures is not fully elaborated.”

“The budget for the proposed activities is insufficiently justified and balanced among partners”

“However, the proposal does not sufficiently justify the significant resources allocated to the subcontractors.”

“Estimation of costs is, however, insufficient for some WPs, with significant amount directed to preclinical studies and phase 1 clinical trials. The budget assigned to some partners is disproportionate with the work distribution.”

“The planned human and financial resources are not properly justified in the proposal. Specifically, there are some redundancies and unclear items in the costs claimed by some of the partners.”

“The high budget for subcontracting is not fully justified.”

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Justificar bien los costes, sobre todo aquellas partidas más elevadas o no balanceadas. Mantener la coherencia con el programa de trabajo.

Calidad y eficiencia de la implementación

• WORK PLAN AND RESOURCES

“The risks identified are relevant to the proposed work, however the risk mitigation measures proposed are not fully convincing. Furthermore, their likelihood is underestimated.”

“The managerial and administrative risks posed by the large number of participants is not considered enough.”

“Some of the proposed mitigation measures are very general and unconvincing, such as the mitigation measures for low engagement of stakeholders.”

“Some of the identified risks are not specific enough for the project. Consequently, mitigation measures are not always convincing.”

“The complexity of the large composition of the consortium is addressed, but the mitigating measures to potential collaboration risks are insufficiently presented.”

“However, the proposal does not adequately consider some key risks, e.g. technical and adoption risks related the AI tools.”

“Critical risks relating to project implementation are adequately identified and appropriate risk mitigation measures are proposed. However, the technical risks are not convincingly elaborated.”

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Identificar para cada WP riesgos y medidas de mitigación adecuadas y específicas para el proyecto.

Extra!

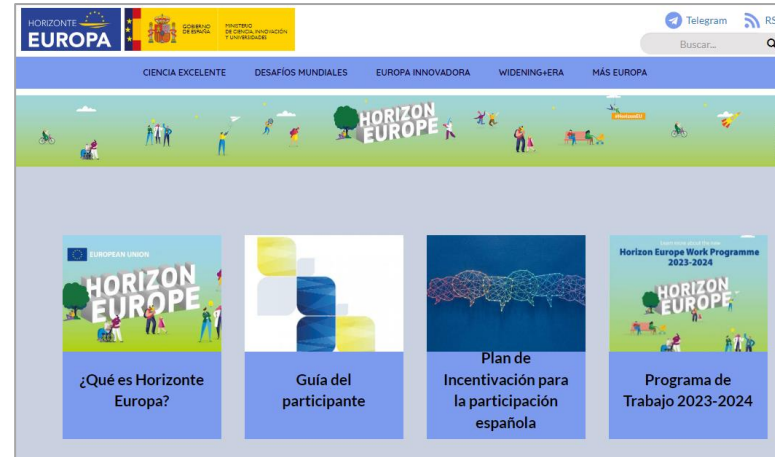
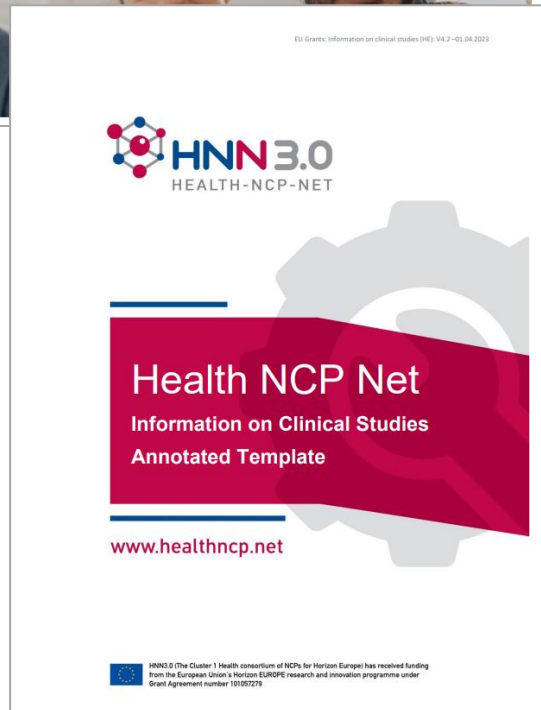
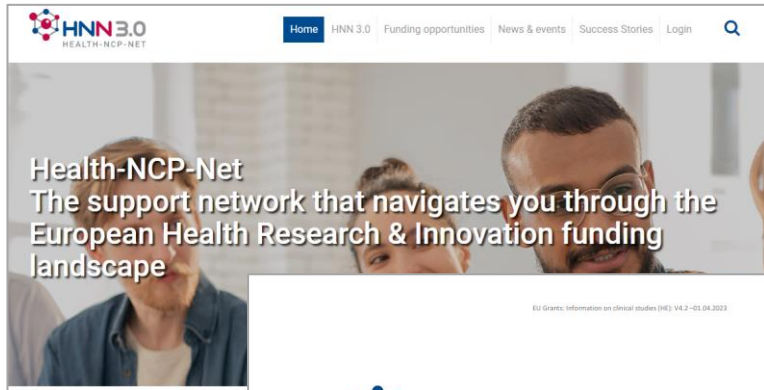
- Leer el template y no modificarlo (sobretudo las tablas)

The minimum font size allowed is 11 points. Standard character spacing and a minimum of single line spacing is to be used. This applies to the body text, including text in tables.

Text elements other than the body text, such as headers, foot/end notes, captions, formula's, may deviate, but must be legible.

- Utilizar gráficos que sean claros y se vean bien
- Hacer la propuesta atractiva para el evaluador (tanto visual como narrativamente)
- Usar un acrónimo fácilmente recordable

Soporte



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Gracias por vuestra
atención

