

Self-healing as preventive repair of concrete structures

**Mi experiencia:
Main Proposer y Chair de la
Acción**

ANTECEDENTES



MOTIVACIÓN

- **Temática muy actual:**
 - **Nosotros estamos empezando, y queríamos estar con “los grandes”**
- **CV diferenciador:**
 - **Ser coordinador de una Acción COST introduce una marca diferenciadora al CV**
- **Crear red:**
 - **Internacionalización y networking, herramientas necesarias para un “ECI” (Early Career Investigator)**

PROPUESTA: PRIMERAS ETAPAS

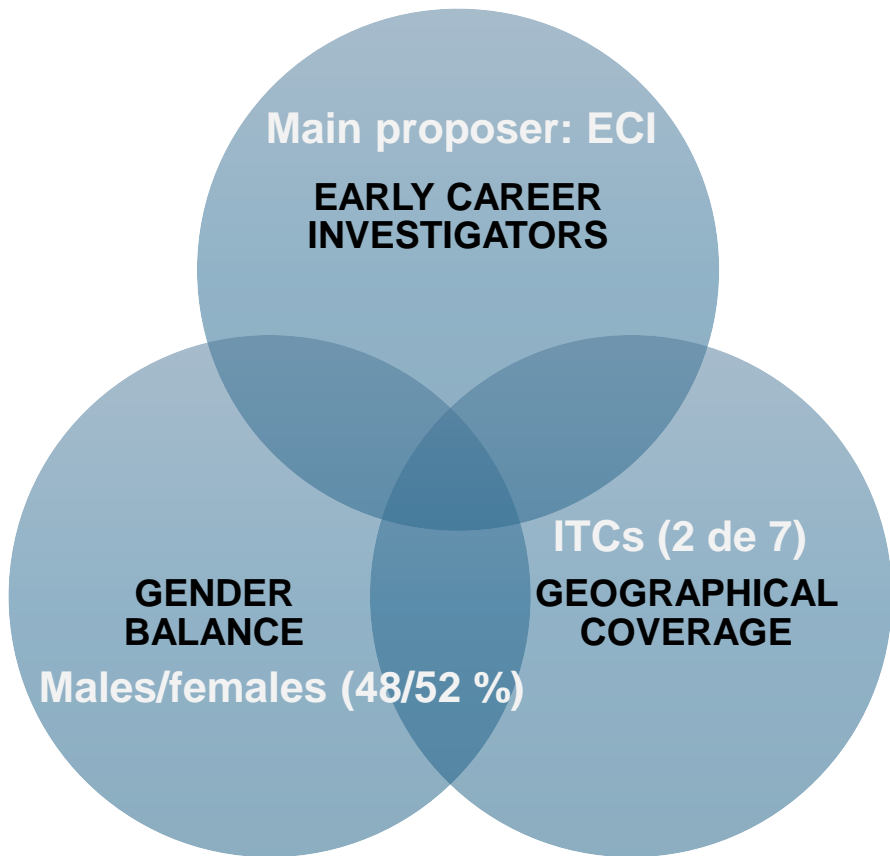
1. Jornada informativa COST: **15 Enero 2015**
2. Conversación telefónica con UPV y CUD: **Marzo 2015**
(los “amigos” españoles)
3. Contacto con “los grandes”: **Marzo-Mayo 2015**
(mailing y reunión aprovechando un congreso)
4. **SOMOS 7 PAÍSES: Junio-Septiembre 2015**
Comenzamos a escribir la propuesta (CSIC, UPV, CUD)
5. Retrofitting entre los grupos participantes hasta entrega de la propuesta: **4 Septiembre 2015**

Iniciando primer borrador...

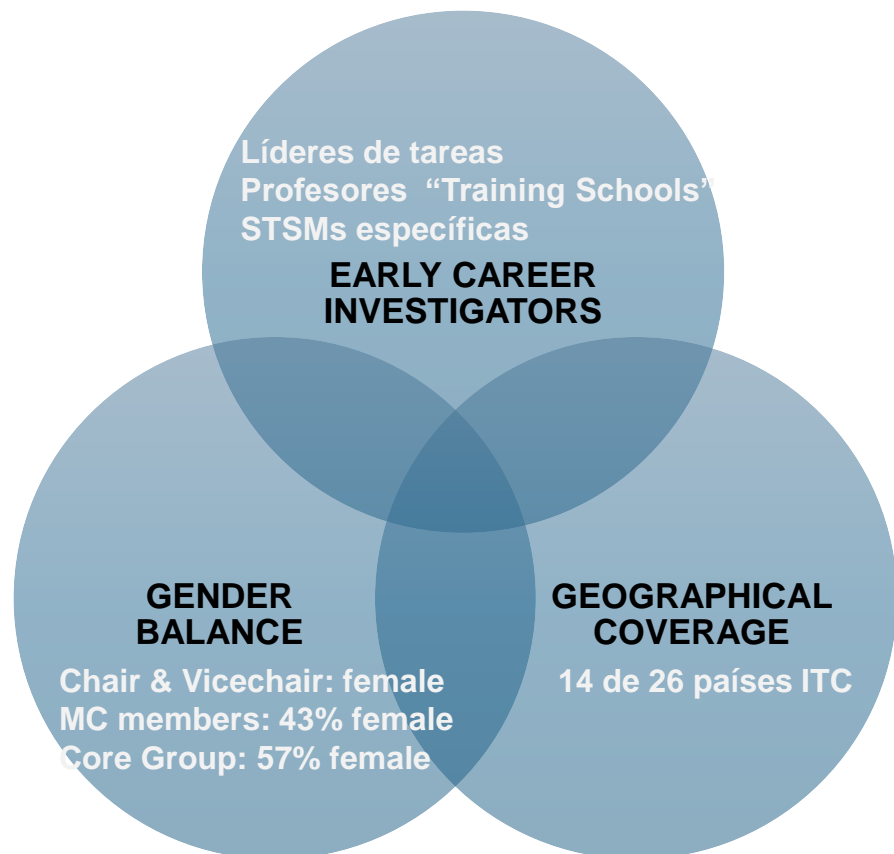
- **Vademecum:**
 - “libro de cabecera”
- **MoUs de propuestas ya financiadas:**
 - Útiles para dar forma al primer borrador
- **Guía para la preparación de propuestas:**
 - **COST Action Proposal Submission, Evaluation, Selection and Approval: CRITERIOS DE EVALUACIÓN**

Planteamiento... **POLÍTICAS COST**

PROPUESTA INICIAL



ACTUALIDAD



PROPUESTA INICIAL



Países: 7 (2 ITC)

ACTUALIDAD



Países: 26 (14 ITC) + 1 NNC (Ucrania)

Propuesta... CLARA Y VISUAL

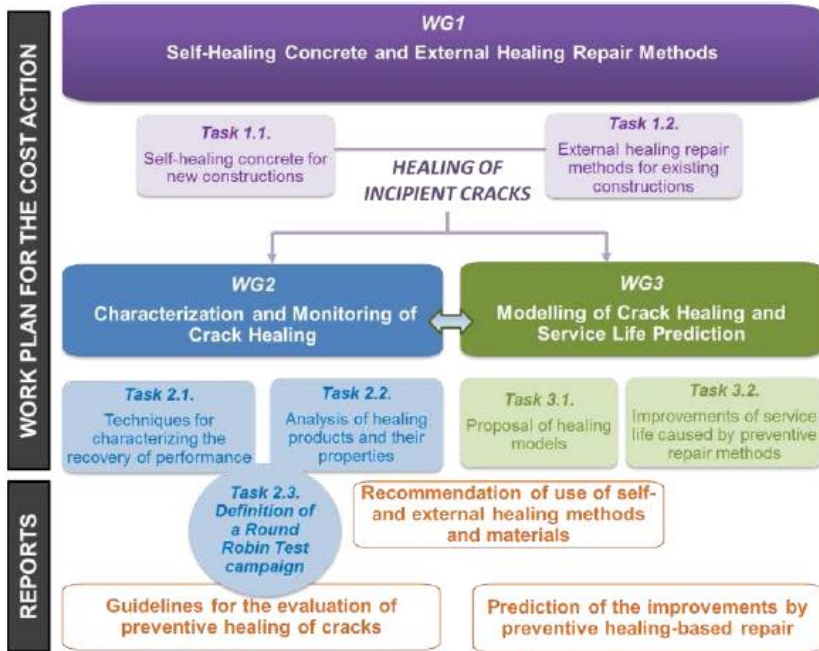


Figure 3. PERT Diagram

Activity	1 st year				2 nd year				3 rd year				4 th year			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Meetings	█					█				█				█		
Workshops and Conf.								█								
Show-room																█
RRT									█	█	█	█	█	█	█	█
Progress reports						█										█
Training Schools												█				
Short term Missions		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Papers and Guidelines							█	█	█	█	█	█	█	█	█	█

Figure 2 – GANTT Diagram

Seis meses después...la evaluación

¡A LA PRIMERA!

De: COST Association noreply@cost.eu
Asunto: COST OC-2015-2-19953 Evaluation Feedback and YOUR ACTION REQUIRED
Fecha: 12 de febrero de 2016, 17:16
Para: mercesanc@ietcc.csic.es

CA

Dear Dr MERCEDES SANCHEZ MORENO,

We are happy to inform you that [proposal OC-2015-2-19953](#) Self-healing As preventive Repair of Concrete Structures was [approved by](#) the COST Committee of Senior Officials.

You can find the Evaluation report at: <https://e-services.cost.eu/sesa/quickAccess/>.

Please note that in order to start your Action, its Memorandum of Understanding (MoU) needs to be finalised and published in our website and accepted by at least 5 COST Member Countries and the Cooperating State.

The COST Association will publish the MoUs of Actions approved under this Collection on 26/02/2016. Your input for preparing the MoU is required by 19/02/2016 at the latest. Kindly ensure that all required fields are filled in by this date.

In order to provide your input please follow: <https://e-services.cost.eu/sesa/quickAccess/>. Instructions on how to provide the required information can be found at http://www.cost.eu/instructions_moupreparation.

A Science Officer has been assigned for this Action. Should you require additional information, please do not hesitate to contact Dr Deniz Karaca at deniz.karaca@cost.eu

After preparing the MoU you may wish to contact your COST National Coordinator, Ms Noelia Romero (noelia.romero@fecyt.es) for your formal nomination to the Management Committee. You may now also inform your colleagues in the Network of Proposers and suggest them to contact their COST National Coordinators to further discuss their possible nomination to the Management Committee. The contact details of all CNCs can be found at http://www.cost.eu/about_cost/who/%28type%29/3.

Please note that you have been allocated the e-COST role "Action Proposer". Please inform the Science Officer, should you not wish to accept this role.



LA EVALUACIÓN...



CONSENSUS EVALUATION REPORT

GENERAL OVERVIEW

Open Call Collection *OC-2015-2*
 Proposal Reference *OC-2015-2-19953*
 Proposal Title *Self-healing As preventive Repair of CONcrete S*
 Proposal Acronym *SARCOS*
 Review Panel *RP3 - Towards a Sustainable Future*
 Evaluation Status *Final*

Measures to maximise impact

Q7 - Does the proposal identify the most relevant stakeholders and present a clear plan to involve them as Action's participants?	Mark
<p>The proposal addresses this question in a good manner.</p> <p>The main strengths are related to the identification of the relevant stakeholders that would be the beneficiaries of the outcomes of the action. Some guidelines are pointed out as relevant outcomes targeted to selected groups of the construction industry. It is also foreseen in the end of the action a show-room targeted to these stakeholders in order to disseminate the results and outcomes of the action.</p> <p>The proposal has some weaknesses since it does not detail an explicit plan on how to involve certain key stakeholders (mainly as yet uncommitted industry representatives) from the outset of the project. While there is an intention to involve them, how and when they will be involved is not entirely clear - apart from a reference to including them in the final 'show-room' activity. This is too late and a clear plan for their involvement from the outset is advised.</p>	3

EVALUATION

SUMMARY TABLE

S&T EXCELLENCE					IMPACT				IMPLEMENTATION					Marks
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Total	
4	5	4	5	5	4	3	4	4	5	4	5	5	57	

Puntos fuertes... *(main strenghts)*

EXCELLENCE: 23/25 puntos

- **Clear ideas** and objectives and the relevance of the topic
- The **approach** is sound and **credible**
- **Clear, feasible** and **comprehensive objectives**
- **Clarity** in describing the state of the art
- **Integrated** and **comprehensive** view of the topic

IMPACTS: 15/20 puntos

- **Good description** of the scientific, technological and socioeconomic impacts
- Identification of the **relevant stakeholders**
- **Dissemination** of the results to the **industry**
- Production of materials targeted to the **industry**
- Identification of risks and contingency measures
- **Clear identification** of the **innovative aspects** and breakthroughs

IMPLEMENTATION: 19/20 puntos

- **Well written plan:** coherent, realistic, well structured, comprehensive, in accordance with objectives
- **Good management structure**
- **Compliance** with **COST policies**
- **Leadership** and **communication** between participants assured

...y puntos débiles (*proposed improvements*)

EXCELLENCE: 23/25 puntos

- **Clarification** regarding the **real outputs** and their **impact on the market**
- **No guarantee** that useful and practical results can come out (topic in early development stage)
- Estimate the size of the problem
- **Highlight the innovation** of the approach and make an effort in **progressing** further the actual knowledge

IMPACTS: 15/20 puntos

- Foreseen scientific production **too ambitious** and **not clear** how it will be achieved
- **Quantitative** estimation of the risks
- Description of how **new market opportunities** will be identified
- **Explicit plan** on how to involve key stakeholders
- Dissemination and exploitation plan **not sound**
- **Specific actions** to effectively involve relevant stakeholders

IMPLEMENTATION: 19/20 puntos

- **More details** for the risk assessment
- **Improvement** of the contingency plan

¡CONCEDIDA! ¿Y ahora qué?

1. **CONTACTO CON EL SCIENTIFIC OFFICER:** preparación del MoU
2. **PROCEDIMIENTO DE NOMINACIÓN AL MANAGEMENT COMMITTEE:**
Envío de documentación al **CNC** (Noelia Romero, España)
3. **FIRMA DEL MoU y NOMINACIÓN DEL MC**
4. **PREPARACIÓN DEL 1st MC MEETING:** Bruselas
Contacto cercano con el **SCIENTIFIC OFFICER** (Mónica Pérez)



Definir la estrategia para la gestión

Preparación del 1st Meeting

1. SELECCIÓN DEL GRANT HOLDER

No tiene por qué ser de la misma institución que el Coordinador...

En SARCOS: Grant Holder (UPV) y Coordinadora (CSIC)

2. ESTRATEGIA DE GESTIÓN

1. CORE-GROUP: los “grandes” (experiencia y reconocimiento)

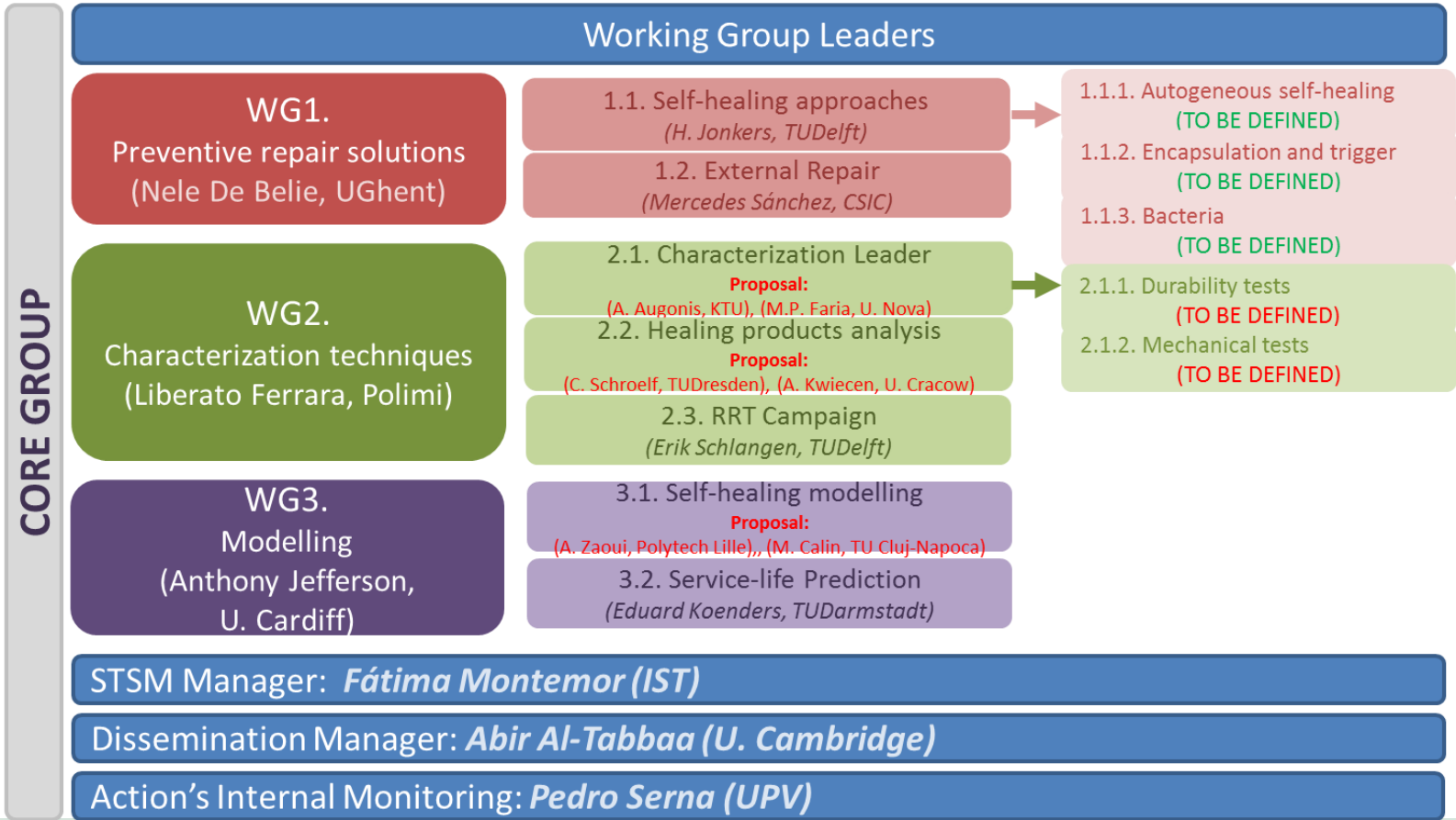
2. LÍDERES DE TAREAS: políticas COST (ECIs, ITCs, balance de género)

3. PREPARACIÓN PRESENTACIÓN PARA 1st MEETING

Siguiendo una plantilla que te envían desde COST

ESTRUCTURA DE LA ACCIÓN

Chair: Mercedes Sánchez Moreno (CSIC, Spain)	Co-chair: Nele de Belie (UGhent, Belgium)	Grant Holder: UPV (Valencia, Spain), Universidad NOVA (Lisbon, Portugal)
--	---	--



COMIENZA LA ACCIÓN...

PREPARAR EL PRESUPUESTO

Activity	1 st year				2 nd year				3 rd year				4 th year			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Meetings	■			■		■		■		■		■		■		■
Workshops and Conf.								■								■
Show-room																■
RRT									■	■	■	■	■	■		
Progress reports						■						■				■
Training Schools								■				■				
Short term Missions		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Papers and Guidelines							■	■	■	■	■	■	■	■	■	■

Figure 2 – GANTT Diagram

1. MC Meeting
2. Short Term Missions
3. Welcome Workshop coincidiendo con el MC Meeting.

El presupuesto viene prefijado en función del número de países participantes



¿Qué hemos hecho?

TRIPTICO PARA DIFUSIÓN

<p style="text-align: center;">PARTICIPATING COUNTRIES</p> <p>COST Countries Belgium, Czech Republic, Denmark, Estonia, France, FYR Macedonia, Germany, Greece, Hungary, Israel, Italy, Latvia, Lithuania, Malta, Netherlands, Poland, Portugal, Romania, Serbia, Slovenia, Spain, United Kingdom</p> <p>International Partner Countries Canada</p>	<p>COST COST (European Cooperation in Science and Technology) is a pan-European intergovernmental framework. Its mission is to enable breakthrough scientific and technological developments leading to new concepts and products and thereby contribute to strengthening Europe's research and innovation capacities.</p> <p>www.cost.eu</p>	
		<p style="text-align: center;">ADVANCING THE IMPLEMENTATION OF INNOVATIVE AND SUSTAINABLE SOLUTIONS FOR EXTENDING THE SERVICE LIFE OF CONCRETE STRUCTURES</p>
<p style="text-align: center;">WWW.SARCOS.ENG.CAM.AC.UK</p>	<p style="text-align: center;">  COST is supported by the EU Framework Programme Horizon 2020  </p> <p style="text-align: center;">WWW.SARCOS.ENG.CAM.AC.UK</p> <p style="text-align: center;">www.cost.eu/COST_Actions/ca/CA15202</p>	 <p style="text-align: center;">WWW.SARCOS.ENG.CAM.AC.UK</p>



¿Qué hemos hecho?

LA PÁGINA WEB

www.sarcos.eng.cam.ac.uk

Home / Self-healing As prevention Repair of COncrete Structures

Log in

Self-healing As prevention Repair of COncrete Structures

Home About People Working Groups Activities Media Contact Us Members area

Welcome to SARCOS

INTERNATIONAL WORKSHOP, Madrid 26th January 2017

Implementing innovative and sustainable solutions for extending the service life of concrete structures

The search for smart self-healing materials and preventive repair methods is justified by the increasing sustainability and safety

COST CA15202 SARCOS
SELF-HEALING AS PREVENTIVE REPAIR
OF CONCRETE STRUCTURES

cost
EUROPEAN COOPERATION
IN SCIENCE AND TECHNOLOGY

COST is supported by the EU Framework Programme Horizon 2020

Latest news

[COST Action CA15202|CALL 4.0 for Short Term Scientific Missions \(STSM\)](#)
May 04, 2017

[View all news >](#)

¿Qué hemos hecho?

**ENERO 2017:
España (País de la Chair)**

MC Meeting + WORKSHOP

IDEA: darnos a conocer los distintos grupos de investigación
participantes en un Workshop de 2 días

Cada grupo ... presentación de 10 minutos + exposición de poster



**e-BOOK disponible en
la web**





¿Qué hemos hecho?

**ENERO 2018:
Portugal (ITC country)**

MC Meeting + Training School

IDEA: fomentar la participación y networking de los estudiantes y ECI dentro de la Acción

1st SARCOS Training School

“Self Healing concrete: the path to sustainable construction”

Lisbon (Portugal), 23rd-25th January, 2018

Session	Tuesday (Jan 23 rd)	Wednesday (Jan 24 th)	Thursday (Jan 25 th)
Morning I: 09:15 – 10:15	SARCOS presentation	Invited Lecture (IST)	Invited speaker (SECIL)
Morning II: 10:30 – 12: 30	T Lectures I: Self-healing strategies	T Lectures III: Characterization Techniques	T Lectures V: Self-healing modelling
12:30 – 13:30	Lunch	Lunch	lunch
Afternoon I: 13:30 – 15:30	T Lectures II: External repair methods	T Lectures IV: Controlled Cracking Processes in Fibre Reinforced Cementitious Composites	Invited speaker (SARCOS)
Afternoon II 15:45 – 17:45	Students lectures I (15 talks)	Students lectures II (14 talks)	Students lectures III (14 talks)
Evening	Free	Student's social dinner (19:30)	Free

¿Qué hemos hecho?

ENERO 2018

PREPARACIÓN DE UNA PROPUESTA ITN

- ✓ La creación de una **red sólida** para participar en otras convocatorias de **H2020** era uno de los objetivos

ESPAÑA en la Acción



MC members:

- Pedro Serna (UPV, Grant Holder)
- M^a Cruz Alonso (CSIC)

MC substitutes:

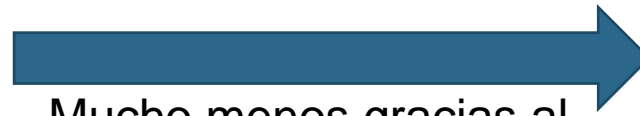
- Marta Roig (UPV/CSIC)
- Etelvina Javierre (CUD-Unizar)

Otros grupos participantes:

- IETcc: Gloria Pérez, Ana Guerrero
- ICV: Jadra Mosa, Mario Aparicio
- Universidad de León: Julia García, STSM
- IECA: Miguel Angel San Juan
- ...

Y...¿cuánto tiempo me lleva?

Variable, depende
de las actividades
previstas



Mucho menos gracias al
trabajo de ...

Pepa Bayarri
(GH Manager)

COSAS A MEJORAR:

- Visibilidad de la Acción: redes sociales, mailing de difusión,...
- Publicidad de las STSMs
- Actualización de la página web
- Definición del plan de difusión de los resultados
- ...

MEJORES CUALIDADES

- ✓ Contacto con grupos a nivel europeo que trabajan en la temática:
 - rápido intercambio de información
- ✓ Herramientas COST: STSM, TS, ...
 - Acceso a técnicas, metodologías, formación,...
- ✓ Aumento de reconocimiento en el campo de trabajo
- ✓ Oportunidades para los ECIs

PEORES CUALIDADES

- ✓ Al no financiar investigación, a veces es complicado que la gente se involucre
- ✓ Muchos de los grupos de investigación que se unen tocan la temática de manera secundaria → difícil integración en los Working Groups
- ✓ Pago a posteriori: adelanto de bastante dinero sobre todo para estancias largas

En mi opinión...

Se trata de una gran oportunidad no solo para la creación de networking y avance científico sino además como aprendizaje en la gestión y resolución de conflictos

¿Alguna pregunta?...

msmoreno@uco.es