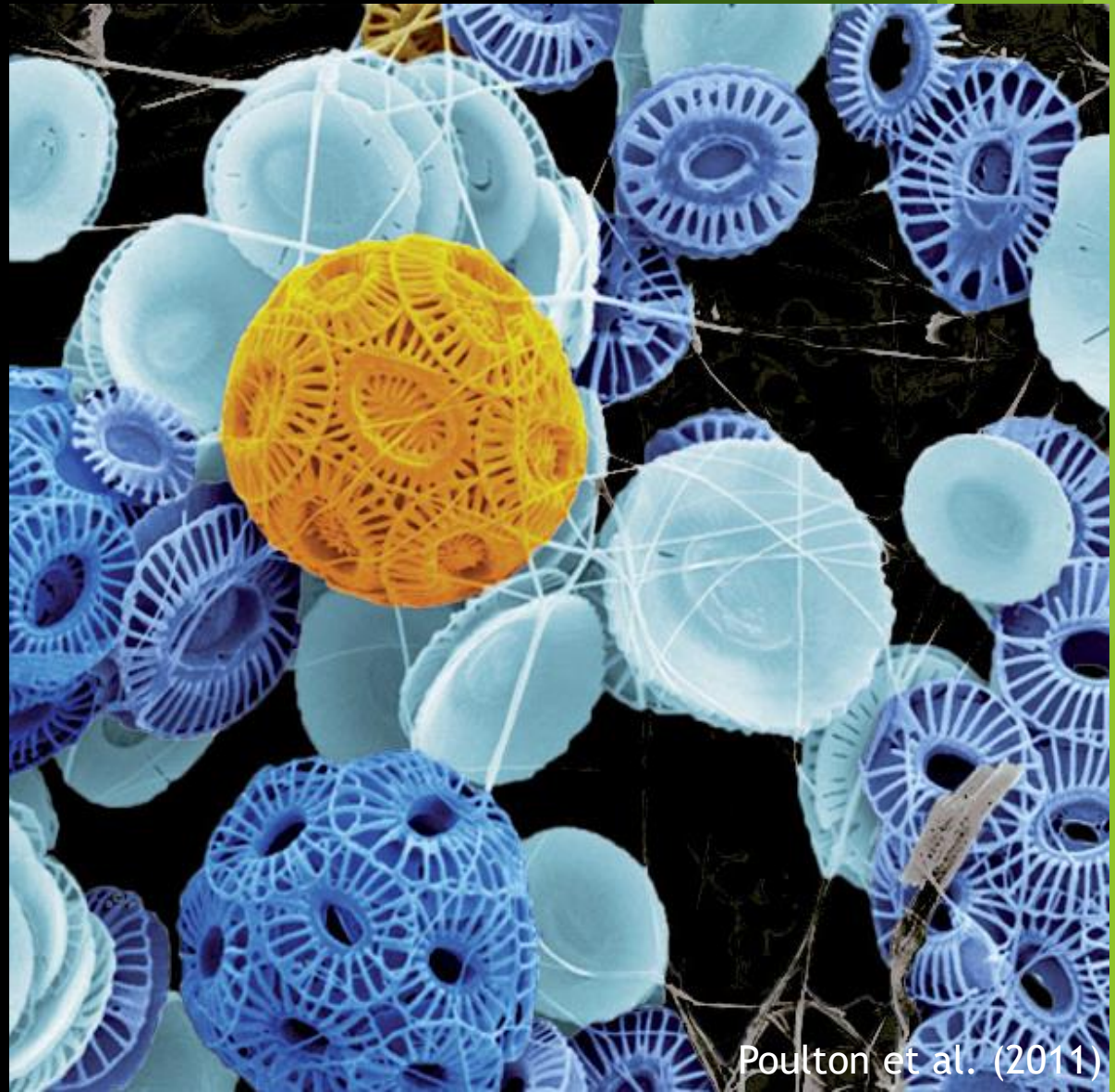


# Preparación *Marie Curie IF proposal*: un ejemplo del área de Medio Ambiente.

Andrés S. Rigual Hernández



Poulton et al. (2011)

# Resumen CV

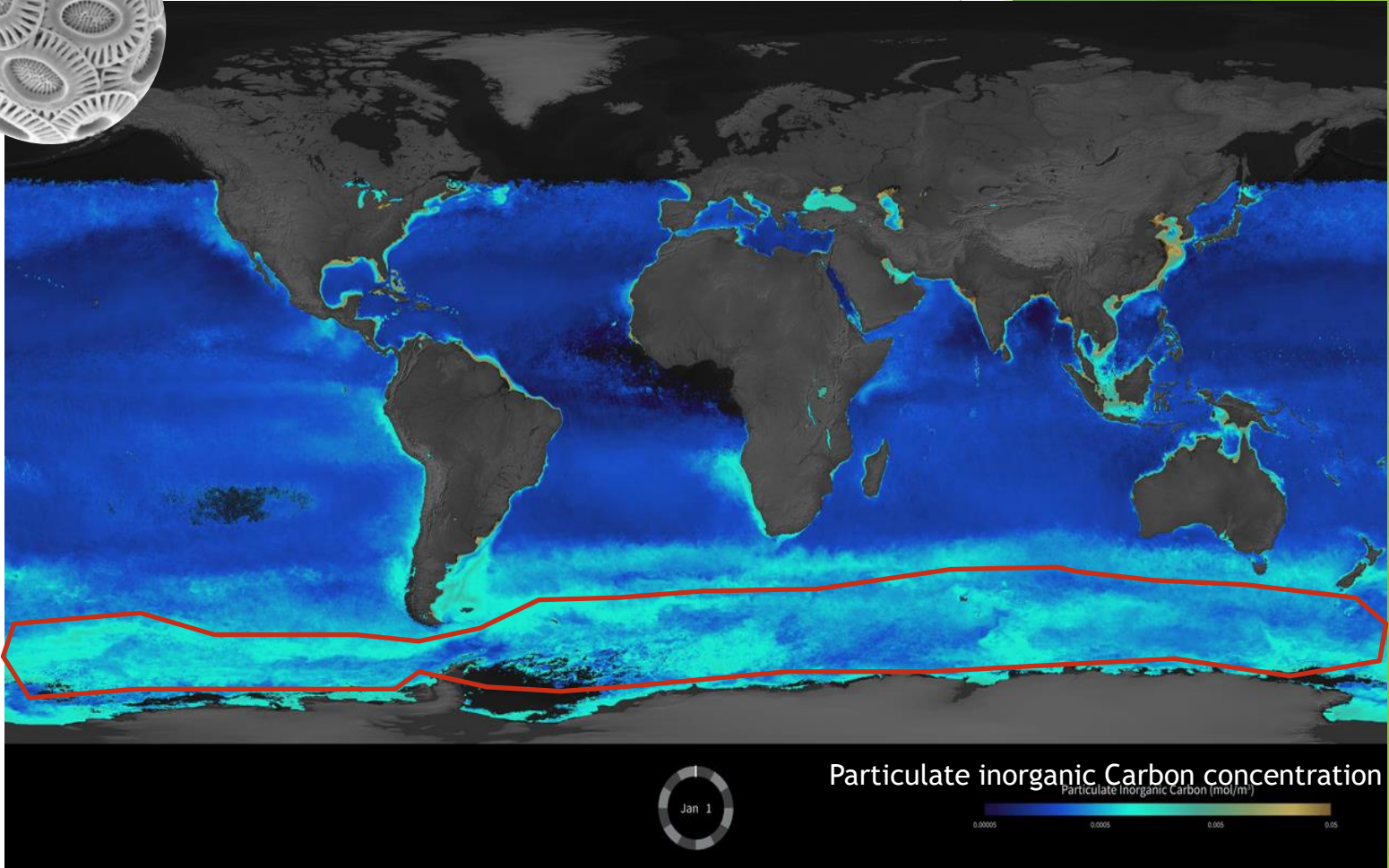
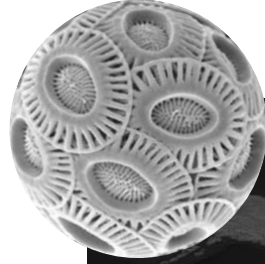
- ▶ Licenciado en Biología ambiental y en Bioquímica (USAL).
- ▶ 2011 Doctorado en Geología (micropaleontología y cambio climático) con varias estancias internacionales.
- ▶ 2011-2013 “fuera” de la investigación como cooperante/asistente científico y gestor de investigación en el extranjero.
- ▶ 2013-2016 Postdoc de la *Australian Antarctic Division* en Macquarie University (Sídney, Australia).



# SONAR CO<sub>2</sub>

## *Southern Ocean nannoplankton response to CO<sub>2</sub>*

- *Hot topic* de relevancia global
- Muestras de alta calidad
- Proyecto internacional
- Aplicación de una nueva técnica
- Apoyo de organismos internacionales



NASA's Oceancolor website

# Tres puntos clave (personales) para la preparación de la propuesta:



1. Tiempo
2. *Survivor's guide to Marie Skłodowska-Curie actions Individual Fellowships (IF)*
3. Trabajar en todas las secciones de la propuesta, no sólo en la ciencia

# Partes de la propuesta:

- ▶ Excellence → 50%
- ▶ Impact → 30%
- ▶ Implementation → 20%

# Excellence: 50% de la puntuación total

## ¿Qué se valora en esta sección?

- Propuesta científica: Estado del arte, objetivos y material y métodos
- Formación y transferencia de conocimiento entre el investigador y el *host*
- Capacidad del investigador en alcanzar o reforzar su posición de madurez e independencia

# Excellence

Puntuación: 4,8/5

## *Strengths I*

- *Well-exposed state of the art that provides sufficient information about the contribution of the planned programme to the current knowledge.*
- *High-quality and timely proposal, it addresses very relevant questions regarding global climate and carbon cycling, and it aims to improve.*
- *The project is novel and innovative, with a multidisciplinary approach and with potential for high impact outputs. The objectives of the project are clearly explained.*
- *The training for the researcher is exceptionally well thought through, with training type, time and trainer allocated clearly detailed in the proposal.*

*Ejemplo: “Spectral analysis training (32 hours); Lead: Prof. Sierro, Month: 13-15.”*



# Excellence



## **Strengths II**

- *The researcher will gain high-quality knowledge and skills from the host, particularly through direct training on coccolithophores taxonomy, cutting-edge image processing software and spectral analysis. During their secondment, they will gain further training on geochemistry and paleoceanography.*
- *The host and secondment supervisors have excellent track records and successful PhD and postdoctoral supervisory experience in the field.*
- *The researcher has an appropriate publication record for the stage of their career, and has been successful at gaining postdoctoral funding at a range of research establishments providing evidence for their capacity to become an independent researcher.*
- *The proposed research will re-enforce the status of the researcher as an independent professional, fostering multidisciplinary and international collaborations.*



# Excellence

## *Weaknesses*

- *There are no sufficient discussion about the possible effect of the preservation state of the coccolith fraction, which is a prerequisite to generate meaningful data.*



## ***Impact: 30% de la puntuación total***

**¿Qué se valora en esta sección?**

Cómo la acción MC mejorará las futuras oportunidades laborales del investigador.

Calidad de las medidas propuestas para explotar y diseminar los datos.

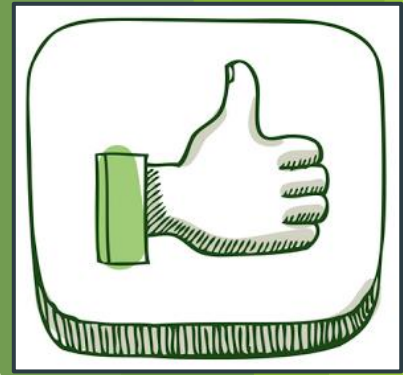
Calidad de las medidas para comunicar los resultados de la acción MC a diferentes públicos.

# Impact

Puntuación: 4,8/5

## Strengths

- The proposal includes the multidisciplinary scientific training of the researcher.
- The researcher will have an adequate medium to long-term career plan.
- Presentations at international congresses (EGU and AGU) are well planned.
- The researcher has an appropriate dissemination strategy for the scientific community, including publication, conference presentations, a data management plan and a plan for management of intellectual property.
- Results will be disseminated through quality audience-targeted actions. The researcher has a clear plan for activities to communicate the science to the general public (webpages, media, Facebook, presentations at science events, placement of schoolchildren).



# Impact

## Weaknesses

- The host supervisor and the researcher have co-authored published and submitted manuscripts related to the research topic (7 out of 14 papers of the researcher is co-authored with the host supervisor). As they already share important knowledge fields, the knowledge transfer to the researcher is likely to be limited.



## ***Implementation: 20% de la puntuación total***

**¿Qué se valora en esta sección?**

Coherencia y efectividad del plan de trabajo

Adecuación de la distribución de tareas y recursos

Adecuación de la gestión de la estructura del proyecto y procedimientos, incluyendo gestión de riesgos.

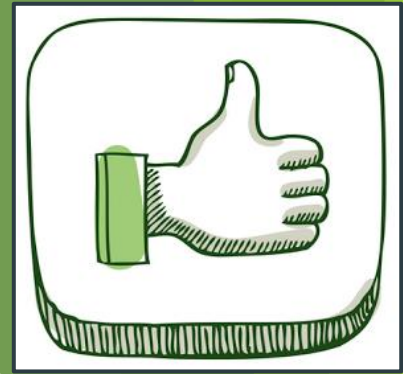
Adecuación de las infraestructuras.

# Implementation

Puntuación: 4,5/5

## Strengths

- *The work plan is realistic and effective, logically set out in work packages with deliverables and milestones.*
- *The distribution of the time in the different WP is well explained. The allocation of tasks and person-months is based on the previous experience of the researcher. The work plan shows a reasonable schedule for data collection, analyses and training.*
- *Coordination and distribution of resources are well planned.*
- *The host institute provides all the necessary organizational units to carry out the project, as well as the institute of the secondment.*
- *All logistics, infrastructure and facilities are in place.*



# Impact



## Weaknesses

- The Gantt Chart is not correct in several points. For example, milestone 3.5, the statistical analysis of coccolith time series is indicated at month 24 and Deliverable 3.4 is not indicated in the Gantt chart.
- The schedule for some of the deliverables (scientific publications) is not sufficiently justified. 3 out of the 4 main publications of this project will be submitted in a narrow interval (4 months, at the beginning of the second year). Although the researcher and their collaborators have plenty of experience in writing manuscripts, this timing is not sufficiently realistic.
- The risk management plan is well described but it is missing some risks that may occur, e.g. during the sample processing in the lab.

Gracias y ¡mucho suerte con vuestras propuestas!

