



## 1. DATOS BÁSICOS DEL TFG:

**Título:** Análisis de los cambios en la composición de la vegetación de alta montaña (Sierra Nevada; SE España) en parcelas permanentes durante los últimos 21 años (2001-2022)

**Descripción general (resumen y metodología):**

Introducción: En la actualidad las zonas alpinas están entre las regiones en las que se prevé un calentamiento global superior a la media mundial. Al mismo tiempo la presión humana está aumentando debido a una creciente presión turística y a cambios de uso del suelo. Dado que las plantas responden al duro entorno alpino con un alto grado de especialización, estos factores pueden ser especialmente perjudiciales para ellas. Para estudiar los cambios a largo plazo se establecieron en 2001, en el marco del proyecto internacional GLORIA distintas parcelas permanente en Sierra Nevada. Desde ese momento se han tomado una serie imágenes (photoplots) de las parcelas, pero no se han analizado hasta el momento, por lo que el análisis de estas imágenes puede ofrecer interesantes resultados sobre los cambios que se están produciendo en estas zonas.

Metodología/Plan de trabajo:

1º Recopilación de imágenes y organización en cronosecuencias.

2º Búsqueda de información bibliográfica y establecimiento de metodología de análisis de imágenes

3º Fotointerpretación de imágenes mediante software específico.

4º Análisis de los datos obtenidos.

5º Elaboración de resultados y redacción de la memoria de TFG

**Tipología:** Trabajos experimentales, de toma de datos de campo o de laboratorio.

**Objetivos planteados:**

Analizar los cambios experimentados en la vegetación de alta montaña en los últimos 21 años mediante análisis de imágenes.

**Bibliografía básica:**

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### **Recomendaciones y orientaciones para el estudiante:**

**Plazas:** 1

**2. DATOS DEL TUTOR/A:**

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**Puesto del tutor en la empresa o institución:**

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