



Seminar of the Work Group  
Nonlinear Partial Differential Equations  
WS 22/23

**Speaker: Dr. Ángel Castro**  
**November 29th, 2022, 14:45 - 15:30**  
**Seminar room: 3.068**

## Global structures for 2D Euler and SQG

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### **Abstract**

In this talk we present some results about the existence of global structures for 2D Euler and SQG. In particular, we discuss the existence of traveling waves close to shear flows and review the existence of rotating solutions for 2D Euler and SQG. Some aspects about the stability of these solutions will also be presented.