

# Stratigraphic forward modelling: why and how we do it Workshop

**Sedimentary geology has historically been dominated by conceptual qualitative models to explain and predict depositional systems and the strata they accumulate. More recently analogue and numerical forward models have been developed, along with associated methods to process and analyse the results they produce, to progress understanding and predictive power.**

This workshop will give a practical introduction to numerical stratigraphic forward modelling and explore how this kind of modelling can help us better understand sedimentary systems.

During this workshop we will look at:

- What is a stratigraphic forward model, and what are the advantages of a quantitative forward model over a qualitative model?
- What are the components of a stratigraphic forward model and how are they constructed?
- What are the different ways we can use these types of forward model, and how have they impacted on our understanding of strata?
- What are the likely next developments in stratigraphic forward models?

Scan the QR code to learn more

**Wednesday 23 September 2026  
10:00 - 17:00 (BST)  
Imperial College London, South  
Kensington Campus, London SW7 2AZ**



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Geological  
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