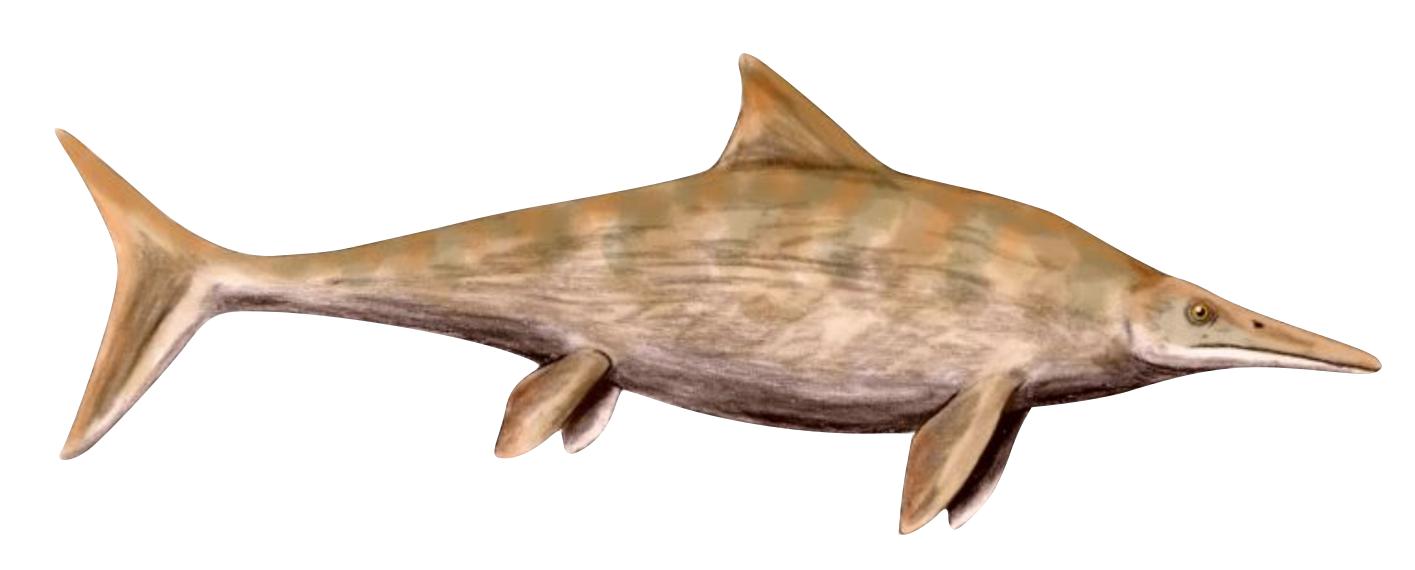
## Our Research

## Ichthyosaurs

- Fish-like marine reptiles
  - 250–90 million years ago
  - 114 species
- How did their morphology change?
- What rate(s) did they evolve?

Suevoleviathan — Jurassic (182 mya) — Germany





## Our Research

## **Novel workflow**

- Main inputs:
  - Morphology
  - Time ranges
  - Evolutionary trees
- Analyses:
  - R
  - Specialist open software
- Outputs:
  - Morphological variation (PCA)
  - Time-scaled trees
  - Evolutionary rates (time, trees)

