

# Kōan 11: Evolving robot explorers

- There are nine oceans in the solar system, see <http://www.jpl.nasa.gov/news/news.php?feature=4541>
- The oceans of Europa and Enceladus are the best candidates so far for the search of ET life. They may have what's needed: liquid water, the chemical elements (C, N, O, P), and sources of energy (geothermal)
- They are beneath hundreds of Km-s thick crusts of ice (so we don't know what's down there)
- How to plan a robot exploration of those distant worlds?
- A solution might be provided by sending a self-evolving species of evolving intelligence robots
- Think of a basic set of co-evolving morphology and intelligence robots

