

## **Fractals, discrete dynamical systems and chaos in geology and geophysics**

Dr. Ester Piegari

12 hours – 3 CFU

### **Short Program of the Course:**

- Discrete Dynamical Systems (3 hours)
- Fractals in geology and geophysics (3 hours)
- Self-organization in complex systems (3 hours)
- Fractal analysis for natural hazards (3 hours)

**Prerequisites:** No mathematics beyond basic algebra is required