



The Science Matters Courses 2019 Humanities, Science & Scimat

**These courses will take place at NOVA SBE SCHOOL Carcavelos
there will be three Courses with the following schedule:**

**April (6/13/19/26) – June (24/25/26/27) – September (7/14/21/28)
(10.00-13.00/14.00-17.00)**

【 Course contents 】

- 1 **Introduction** (motivation/from Big Bang to life on Earth; evolution; human body; neuroscience).
- 2 **Knowledge, Nature, Science and Scimat** (two kinds of knowledge: human independent and human dependent; idea of Nature; idea of science; scimat the new discipline; science and scientist defined)
- 3 **Science and Scimat, Again** (science in a nutshell; how science was and is done; simple systems and complex systems; time evolution of scientific process and scientific results; essence of science; reality check; scimat implications)
- 4 **History** (what is history; methods to study history: empirical, phenomenological and bottom-up approaches; history in the future)
- 5 **Arts** (Origin of arts; nature of arts: applied arts and pure arts; five criteria of pure arts; arts as science matters; arts and science)
- 6 **Philosophy** (historical developments; consistency with existing science; neurophilosophy; experimental philosophy)
- 7 **How to do good research and to write a scientific article in English.**

**Prof. Dr. Maria Burguete
(Science MattersConferences)**

**Prof. Dr. Manuel Bicho
(Rocha Cabral Director)**