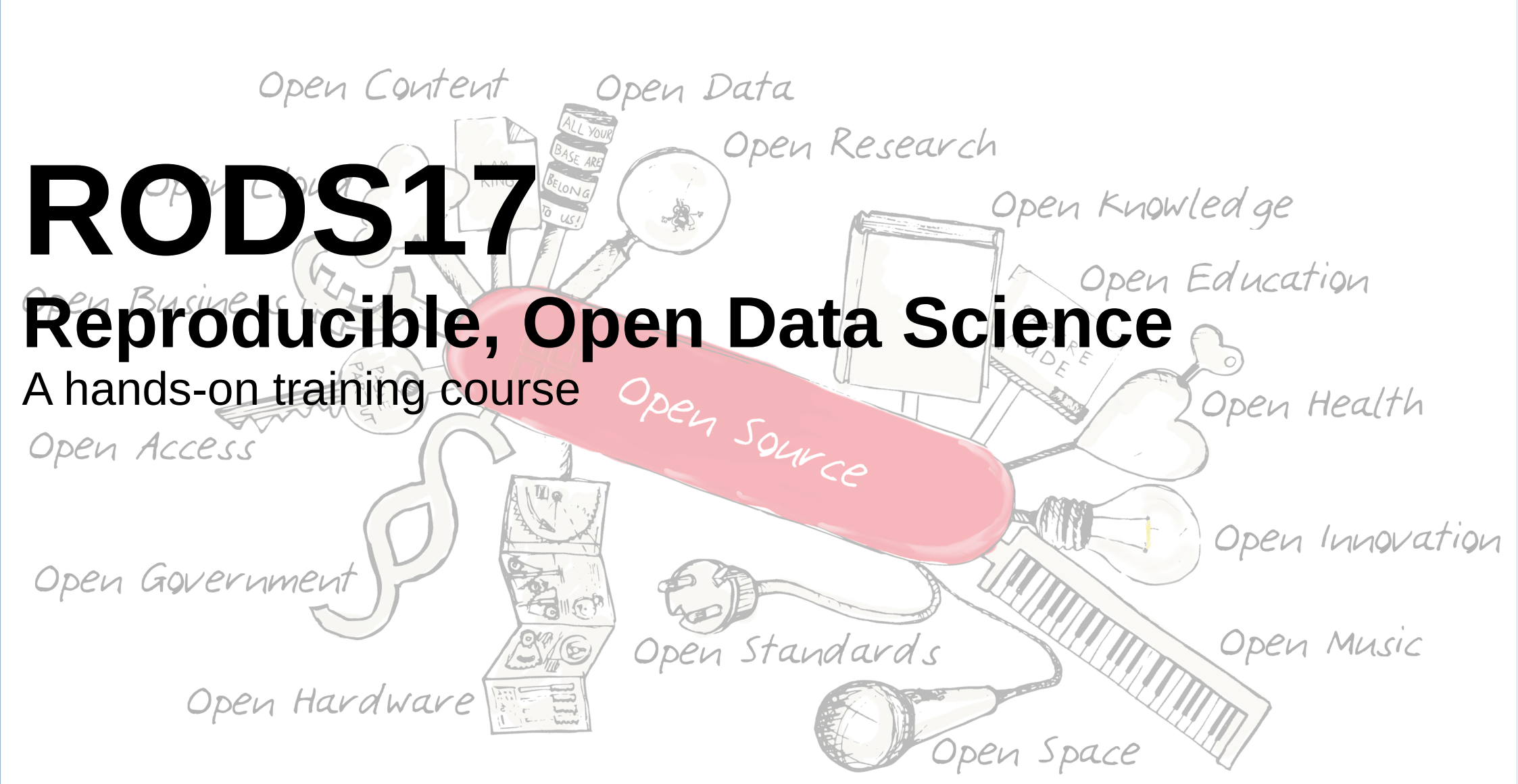

RODS17

Reproducible, Open Data Science

A hands-on training course

Jun 21st – Jun 23rd 2017

Course Description

In an age of increasingly complex and data-intensive, collaborative scientific practices, scandals of irreproducibility, and a growing societal ethos of transparency and accountability, a new paradigm has arisen: Open Science. In this three day course, we will introduce to you the three organizing principles and practices that undergird this paradigm:

- Open Access scholarly publishing
- Open Source software development
- Open Data integration and sharing

For this, we will be introducing a set of technologies and ways of using them. The reasonable expectation is that the participants will feel empowered and start using them for the above purposes in a highly productive way. The use-cases that we will be working on are going to be based on bioinformatics, but the principles are very broadly applicable to other fields. You do not need to have any particular programming or otherwise computational experience beyond what is normally required from a scientist in graduate school and beyond, i.e., you should not be afraid of interacting with a computer and editing simple text files.

Instructors:

Rutger Vos
Naturalis, Leiden, NL

Pedro Fernandes
Instituto Gulbenkian de Ciência, Oeiras, PT

Course website:
http://gtpb.igc.gulbenkian.pt/bicourses/RODS17

INSTITUTO GULBENKIAN DE CIÊNCIA

elixir PORTUGAL