Scholarly research faces threats to its sustainability on multiple domains (e.g. access, incentives, and reproducibility). One solution comes from the open science movement, which proposes to make scientific research (including publications, data, physical samples, and software) and its dissemination accessible to all levels of an inquiring society, amateur or professional. In this workshop, I will address open science from three different perspectives.

First, the credibility of scientific findings has been under scrutiny in recent years following large-scale evidence that findings in economics, management, and psychology are difficult to replicate and reproduce. The inability to replicate and reproduce existing research is largely attributable to closed science. To set the stage, I will introduce and summarize evidence on the necessity of an open science approach for sustainable scholarly research.

Second, I will provide an overview of the benefits of an open science approach for the credibility of your own research as well as benefits for the impact of your research. We will discuss how your own research will improve if you use open science guidelines as well as the personal advantages that open science has to offer.

Last, I will provide an overview of tools and techniques that allow you to open up your own research. In this part I will focus on open access, which is the case when a publication has no financial, legal or technical barriers to accessing it, as well as on open science practices as a daily process (e.g. sharing data and materials).