

CALL FOR RISIS COURSE TYPE B

Introduction to methods and applications to the JoREP/EUPRO database with network analysis approaches

IRCrES-CNR, Rome – November 20-21, 2017

This course is part of the Training Activities of the RISIS Project [<http://risis.eu/training>].

1. OBJECTIVES OF THE COURSE

Network analysis techniques have been widely used in social sciences. The course will give an introduction to the basics of social network analysis (SNA), inferential network analysis by means of spatial interaction modelling (SIM), and respective software tools. The methods and tools will be trained in form of applications to relevant real-world examples using data from unique datasets on European R&D collaboration. The aim is to introduce the participants to statistical methods for network analysis, providing them with an understanding of the potential applicability of these methods to different types of networks and to various research questions in the field of R&D networks and collaborations. Two RISIS unique databases on European R&D collaboration are used for the practical sessions: JoREP 2.0 and EUPRO (for details please visit <http://datasets.risis.eu>). At the end of the course, the trainee will be able to carry out basic SNA and inferential analyses of networks through the R software handling the two datasets.

2. GENERAL CONDITIONS FOR PARTICIPATION

Target audience for this course are researchers in research policy and higher education with a quantitative orientation, which aim to extend their competence on social network analysis. Basic requisite for admission will be:

- Knowledge on basic principles of statistics and regression analysis;
- Basic knowledge of SNA, regression techniques and software tools (R) is useful, but not required.
- Interest in studies of R&D networks and collaboration.

2.2 The course is addressed to:

- ✓ Senior scientists, early career researchers and PhD students at the last phase of their training;
- ✓ Officers from the policy making level (e.g. funding agencies);
- ✓ Research associations.

2.3 Participants will be asked to bring their PC (with R software installed, preferably R Studio) when attending the course. It is possible to download RStudio software [here](#).

3. SUBMISSION OF THE APPLICATIONS

Send an email to marco.debiase@ircres.cnr.it with a clear indication of your interest for applying and attach an

updated CV. You will receive the confirmation once the registration has been processed. In case you do not receive any notification from us within one week, please contact the same e-mail address.

Deadline for submission: October 8, 2017.

4. SELECTION

Maximum number of participants for the course is 15. Participants will be selected on the basis of their interests and CV. Notification of acceptance and request of confirmation will be sent after the selection process is completed.

5. FEES AND PAYMENTS

5.1 **No fee to be paid.**

5.2 **Travel and accommodation will be covered only in case of researchers, early researchers and PhDs coming from European countries.** Travel and accommodation will be in charge of the organization.

5.3 **No costs are covered for people not involved in research activities** (i.e. people from associations or policy level).

6. SCHEDULE FOR THE COURSE

The course will take place from November 20, 2017 to November 21, 2017. **Complete programme is available on the dedicated page in the RISIS website, on the leaflet of the course.**

7. VENUE

IRCrES CNR – Research Institute on Sustainable Economic Growth of the National Research Council of Italy, Via dei Taurini 19, Rome, Italy [[MAP](#)]

8. TEACHING STAFF

Dr. Antonio Zinilli (IRCrES-CNR), Dr. Thomas Scherngell (AIT), Dr. Martina Duenser (AIT), Dr. Andrea Orazio Spinello (IRCrES-CNR), Dr. Emanuela Reale (IRCrES-CNR)

9. LOCAL ORGANIZING COMMITTEE

Dr. Antonio Zinilli, Dr. Emanuela Reale, Dr. Andrea Orazio Spinello, Dr. Marco De Biase (IRCrES-CNR)

10. CONTACTS AND INFORMATION

Dr. Marco De Biase, IRCrES CNR (marco.debiase@ircres.cnr.it);
Dr. Antonio Zinilli, IRCrES CNR (antonio.zinilli@ircres.cnr.it)

PROGRAMME AND CONTENTS

Introduction to methods and applications to the JoREP/EUPRO database with network analysis approaches

IRCrES-CNR, Rome – November 20-21, 2017

Day 1 – November 20, 2017

9:30

Registration

10:00 – 10:30

Welcome: RISIS project and opportunities for researchers

10:30 – 11:30

Introduction to the main characteristics of JoREP and EUPRO

11:30 – 12:30

Basic concepts of Social network analysis

Lunch

13:30 – 15:00

Some illustrative examples of SNA and basic network inferential analysis
from EUPRO and JoREP

Coffee Break

15:30 – 16:30

Organization of the laboratory and short introduction in R

16:30 – 17:30

Introduction of the case studies and objectives. Creation of groups and provision of data

Day 2 – November 21, 2017

9:30 – 11:00

Demonstration of case study methodologies (SNA, network visualization, SIM)

Coffee Break

11:30 – 12:30

Laboratory work (SNA, network visualization, basic SIM) by groups.
Interpretation of the results and preparation of the presentations

Lunch

13:30 – 15:30

Laboratory work continued

15:30 – 17:30

Presentation by groups and discussion

Dinner on November 20, 2017

19:30 Meeting at Via dei Taurini, 19
Ristorante Pizzeria 'I Fratelli' - Via degli Umbri, 14