



WP 05- TRAINING

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Aim of the activity

- Raising research skills needed for using large data
 - RISIS training aims at raising the research skills needed for using large data sets and developing indicators, offering general introductions to the features of the RISIS facilities and focusing on indicators and data handling
- Transferring Knowledge about the potential of RISIS Facilities
 - Training highlights the opportunities for the end-users, displaying several mode of exploitation of the RISIS datasets
- Supplying Evidence of the impact of RISIS on a community of scholars
 - Training is generally associated with the use of one or more datasets, which are shared by RISIS partners and focuses on mobilization of data and indicators for policy analysis and research policy purposes



Contents of the courses

RISIS courses are designed to supply knowledge about:

- Introduction to the use of the infrastructures (platforms and datasets), including the introduction into theoretical background;
- Indicators and data handling and indicators design;
- Statistic and econometric analysis, scientometric tools (sophisticated treatments methods - not the basics).



Three types of courses

- Short courses type A (SCA): one or two-day courses
 - aimed at illustrating the content and the use of the RISIS datasets;
 - focused on the presentation of the potentialities of the facility;
 - accompanied by a complete documentation, slides and other relevant materials available on the RISIS website.
- Short courses type B (SCB): two-day training on given subject as
 - the use of specific dataset(s) and indicators and treatment of heterogeneous data;
 - statistic, econometric and scientometric approaches using the selected dataset(s);
 - new developments of indicators and data analysis (e.g. textual data treatment and web-based indicators).
- Summer schools (SS): one-week courses covering
 - thematic issues (for instance, internationalization, collaboration, performance assessment, mapping, etc.);
 - methodological issues (articulating and agglomerating the RISIS databases);
 - policy issues (use of data and indicators for performance assessment, European integration).



Work-programme

- WP5 foresees at least 30 training activities during the 4 years of RISIS duration.
- The expectation is to have as a minimum:
 - 1 Short course-A per year associated to the data sets/platforms (or combining data sets/platforms);
 - 4 Summer Schools to be harmonized with the existing offer at the university level.



Coordination and management

- IRCRES CNR is in charge for managing the whole training in close cooperation with the FCB
 - Management the process of submission;
 - Analysis of the RISIS training activities;
 - Reporting activities of the RISIS partners which develops courses.
- A Committee supports the whole activity.

The composition is:

 - Kate Barker (MiOIR),
 - Giovanni Cerulli (IRCRES-CNR),
 - Sybille Hinze (IFQ),
 - Emanuela Reale (IRCRES-CNR),
 - Benedetto Lepori (USI) on behalf of the FCB.



Management activities

- Preparing the formats for the training activities (proposals, applications and reporting)
- Circulation of the training offers
- Managing the selection process of the courses
- Collecting the short Final Report on each course
- Elaborate an online questionnaire for assessing the courses
- Repository of participants and materials
- Summary for the annual RISIS week

First presentation of RISIS training

RISIS
Research Infrastructure for research and innovation policy studies

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SEVENTH FRAMEWORK PROGRAMME

TRAINING ACTIVITIES

GOALS AND ADDED VALUE

RAISING THE RESEARCH SKILLS NEEDED FOR USING LARGE DATA
RISIS TRAINING aims at raising the research skills needed for using large data sets and developing indicators, offering general introductions to the features of the RISIS facilities and focusing on indicators and data handling.

TRANSFERING KNOWLEDGE ABOUT POTENTIALITIES OF RISIS FACILITIES
Training will highlight the opportunities for the end-users, displaying several mode of exploitation of the RISIS datasets (for instance, application of statistic and econometric analysis and use of scientometric tools).

SUPPLYING EVIDENCE OF THE IMPACT OF RISIS ON THE SCHOLARS' COMMUNITY
Training will be generally associated with the use of one or more datasets, which are shared by RISIS partners and will focus on mobilization of data and indicators for policy analysis and research policy purposes.

THREE TYPES OF COURSES

SHORT COURSES TYPE A
One or two-day courses
• aimed at illustrating the content and the use of one (or more) RISIS datasets;
• focused on the presentation of the potentialities of the facility;
• accompanied by a complete documentation, slides and other relevant materials available on the RISIS website.

SHORT COURSES TYPE B
Two-day training on given subject as
• the use of specific datasets(s) and indicators and treatment of heterogeneous data;
• statistic, econometric and scientometric approaches using the selected dataset(s);
• new developments of indicators and data analysis (e.g. textual data treatment and web-based indicators).

SUMMER SCHOOLS
One-week courses covering
• thematic issues (for instance, internationalization, collaborative performance measurement, indicators);
• methodological issues (statistical and econometric approaches);
• policy issues (use of data and indicators for performance assessment, European integration).

FORTHCOMING COURSES

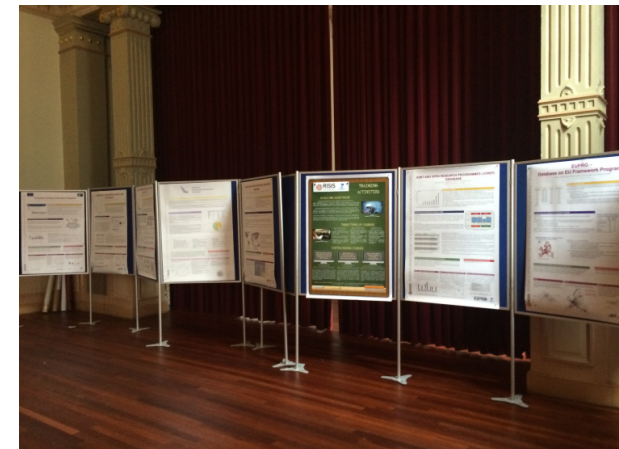
Joint and Open Research programmes: features and potentialities of the JOREP database
Venue CERIS CNR, Rome, Italy
Date: November 27-28, 2014
Deadline for request participation: October 28, 2014
Contact person: Dr. Emanuele Ferra (ferra@ceris.cnr.it)

Applications of multi-level models to research policy and higher education studies
Venue UCL, Lugano, Switzerland
Date: January 6-7, 2015
Deadline for request participation: September 26, 2014
Contact person: Dr. Benedetto Lepori (lepori@ucl.ch)

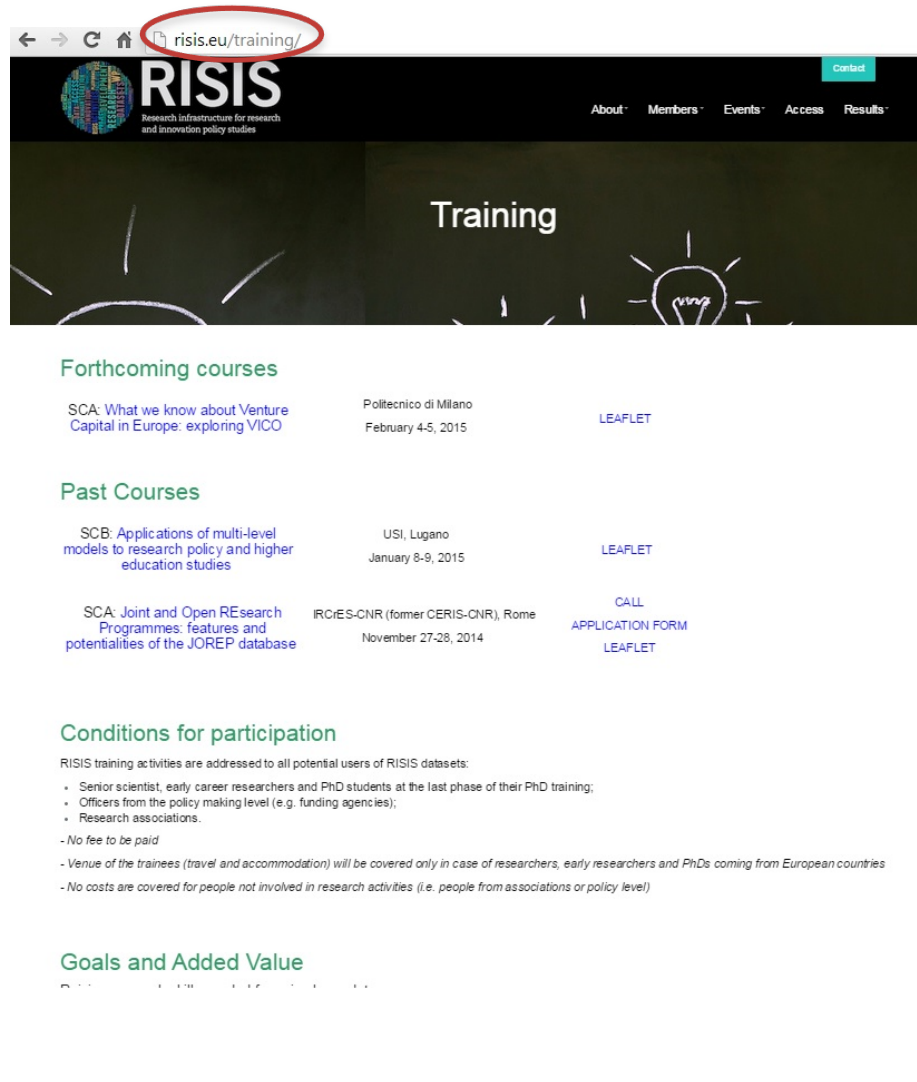
What we know about Venture Capital in Europe: exploring VICO
Venue Politecnico di Milano, Milan, Italy
Date: end of November 2014 - end of January 2015
Deadline for request participation: October/December 2014
Contact person: Prof. Massimo Gerosi (massimo.gerosi@polimi.it)

Contact for RISIS TRAINING: Ceris CNR, Rome - Dr. Andrea Orazio Spinello (RISIS.Training@ceris.cnr.it)
Call available at: <http://www.ceris.cnr.it>

- A poster on training activities was presented in September at the conference on Science and Technology Indicators in Leiden



Training section on RISIS website



- A space on the RISIS website is dedicated to the WP Training: risis.eu/training



Training



RISIS provides training in using the increasing amount of data available about the research and innovation.



Training materials on RISIS website

- The materials available on the website are:
 - Call permanently open with the indication of the deadlines for submitting (text of the call downloadable)
 - Formats for RISIS partners for presenting proposals of training courses (downloadable Formats of the three types of courses: SCA, SCB, SS)
 - List of courses open with information on aims, contents, deadline for application, etc. (downloadable documents for people that want to apply)
 - List of courses done with information on aims, contents, materials, reporting and assessment
 - Questionnaire to be filled by all the people participating to the Training courses
 - Format for reporting activities at the end of the courses.

The Evaluation Questionnaire

 <small>Research Information Systems for Health and Innovation Policy Studies</small>	 <small>Logo of the Organization(s) in charge of the Course</small>
TITLE of the course Organization name(s), Place and data	
01) Why did you choose to attend this course?	
<input type="radio"/> Actual research interest <input type="radio"/> Potential research interest <input type="radio"/> Professional interest	
<input type="radio"/> Exploration/Curiosity <input type="radio"/> Other (specify) _____	
02) Were the course objectives clearly defined?	
<input type="radio"/> no <input type="radio"/> rather no <input type="radio"/> rather yes <input type="radio"/> yes <input type="radio"/> no opinion	
03) Were the contents of the course consistent with the course description?	
<input type="radio"/> no <input type="radio"/> rather no <input type="radio"/> rather yes <input type="radio"/> yes <input type="radio"/> no opinion	
04) Has this course stimulated your interest in the subject it dealt with?	
<input type="radio"/> no <input type="radio"/> rather no <input type="radio"/> rather yes <input type="radio"/> yes <input type="radio"/> no opinion	
05) Was the course well organized?	
<input type="radio"/> no <input type="radio"/> rather no <input type="radio"/> rather yes <input type="radio"/> yes <input type="radio"/> no opinion	
06) Was the course well structured?	
<input type="radio"/> no <input type="radio"/> rather no <input type="radio"/> rather yes <input type="radio"/> yes <input type="radio"/> no opinion	
07) Do you think that teaching materials facilitated learning?	
<input type="radio"/> no <input type="radio"/> rather no <input type="radio"/> rather yes <input type="radio"/> yes <input type="radio"/> no opinion	
08) What were the best features of the course?	
09) In your opinion, are there any aspects of the course that might need to be improved?	
10) Please rate your overall satisfaction with the course <input type="text"/>	
<small>(1-10 scale, 1: minimum satisfaction – 10: maximum satisfaction)</small>	



State of affairs

- IRCRES CNR through the Committee provided a preliminary assessment of the proposals, based on the criteria listed in the overall planning. FCB provided the final approval
- The Committee had one face-to-face meeting on June 2014 in order to take decisions about promotion of the training activities, accompanying actions for people submitting ideas, and assessment of the proposals submitted. A summary of the decisions has been transmitted to the FCB on June 2014

Proposals received

- The following proposals have been received and positively assessed:
 - I SCA course on Joint and Open REsearch Programmes: features and potentialities of the JOREP database (Organizer: IRCRES-CNR) **already done**
 - I SCA course on What we know about Venture Capital in Europe: exploring VICO (Organizer: Politecnico of Milan) **upcoming**
 - I SCB course on Applications of multi-level models to research policy and higher education studies (Organizer: USI) **already done**
 - I SCA course on European Tertiary Education Register facility (Organizer: USI) approved by the Committee, under evaluation of FCB **upcoming**

The JOREP course (Rome)

November 27-28, 2014

JOINT AND OPEN
RESEARCH PROGRAMMES

Features and
potentialities of the
JOREP database

Short Course



November 27-28, 2014

RISIS
Research Infrastructure for Research
and Innovation Policy Studies



- Preparation and launch of the call of the course in October 2014
- Dissemination
- Selection of 15 participants



The course trained the participants to figure out and to address research questions on joint programming within the ERA, using the JOREP infrastructure.



- Theoretical framework
- Technical aspects
- Practical sessions
- Statistical analysis

The multilevel course (Lugano)

January 8-9, 2015

Applications of
multi-level models
to research policy
and higher
education studies

Short Course



January 8-9, 2015



RISIS
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and innovation policy studies



- It was the first SCB
- This multilevel short course was aimed at providing an introduction to multi-level modeling as a research method for RISIS researchers and give them the tools to apply the method to their work.
- The course was structured on a statistical teaching of the method as well as a guided application through a practical group exercise.



Challenges - I

- SCA courses proved to be easy to organize and well accepted by participants
 - A different solution is under experiment, with training provided directly in different locations.
 - The number of proposals received is still too low if compared with the work-programme. We expect to improve the number of proposals for this type of courses as soon as the activities linked to the preparation of the infrastructures for opening will be completed



Challenges - 2

- SCB courses did not receive too much attention from RISIS participants. This means that a strategy toward stimulating the initiatives and proposals from the RISIS community must be elaborated
- RISIS courses proved to be attractive for people outside the participants' organizations. A strategy toward a large involvement of people in the STI field should be prepared by the Committee and discussed with the FCB



Challenges - 3

- Summer Schools are objects to be more precisely defined by the Committee.
- The Committee should elaborate ideas about possible proposals for Summer School in order to press the RISIS participants to action.



Programme for the next year

- To address the challenges identified
- To promote the development of at least 4 SCA-SCB courses in 2015
- To promote one Summer-Winter School in 2015