

Report on SCA/SCB Course



Title of the course

RESEARCH FACILITY: Uses and potentialities of the CorTexT-Risis Platform

Venue

LISIS Unit, CorTexT-Lab
Université Paris-Est Marne-la-Vallée Bât Bois de l'étang- Room C. 219
3, rue Galilée – Champs-sur-Marne 77454
MARNE-LA-VALLEE CEDEX
France

Date

6 -7 October 2015

Organizers

LISIS Unit, CorTexT-Lab

The SCA was organized by the cortex-Lab Team which develop the RISIS Facility

The following fellow of the Platform have been mobilized during the two days for lecture, direct help with learning-by-doing, on-line assistance and administrative support.

Name	Mail	Function
BARBIER Marc	Marc.barbier@grignon.inra.fr	CortextLab Director - Researcher
COINTET Jean-Philippe	jphcoi@gmail.com	Researcher and Data Scientist
BREUCKER Philippe	breucker@ifris.org	IT Engineer
ORSAL Guillaume	orsal@cortext.fr	IT Engineer
VILLARD Lionel	lionel.villard@esiee.fr	IT Engineer
DEQUATREBARBES Constance	constance@cortext.fr	Researcher
PROUTZOU Georgia	Georgia.Prountzou@u-pem.fr	Administrative Support

Objectives

The objective of the course is to introduce participants to the uses of the CorTexT.Risis platform, a research facility in S&T Studies proposed under the RISIS Infrastructure Project. Thanks to short lectures, demos, workshop and practical training participants should get enough skills to develop research work on various types of DataBase that trace science and innovation dynamics. The course will focus on three majors inputs

A step-by-step demonstration of how to use the CorTexT.Risis Platform: database upload and parsing, Terms extraction, Statistics and demography of entities, socio-semantic analysis.

The participants will be trained to use the various scripts offered for terminologic extraction and network analysis in order to analyse databases and frame research questions. The training sessions will be oriented towards the understanding of co-word analysis and the interpretation of graphs. Some demos will be proposed as template for the analysis of socio-semantic networks in S&T dynamics.

Main results

The participants have been trained to use the various scripts offered for terminology extraction and network analysis in order to analyse databases and frame research questions. The training sessions have been oriented towards the understanding of co-word analysis and the interpretation of graphs. Some demos have been proposed and explained with details and a lot of interactions as template for the analysis of socio-semantic network in S&T dynamics.

The program has been followed, the only change was to postpone to the Day 2 the last session of day 1 in order to favour on-going learning with the interface. The interactions have been of high quality in relation to various type of uses: directly for research purpose in SPS or directly for research policy making at the lab level or department level.

All the slides of lectures have been delivered to participant through a web-repository, says:

- a training book with programme, presentation of datasets, list of references
- a detailed documentation about the interface in a type of User manual
- articles published by the members of the CorTexT-Lab
- evaluation sheet

Participants have expressed their important to high satisfaction (see evaluations records)

Materials: **available at**

<http://risis.eu/event/using-the-cortext-risis-platform-for-research-in-science-policy-and-science-technology-studies/>

ANNEX 1

LIST OF PARTICIPANTS



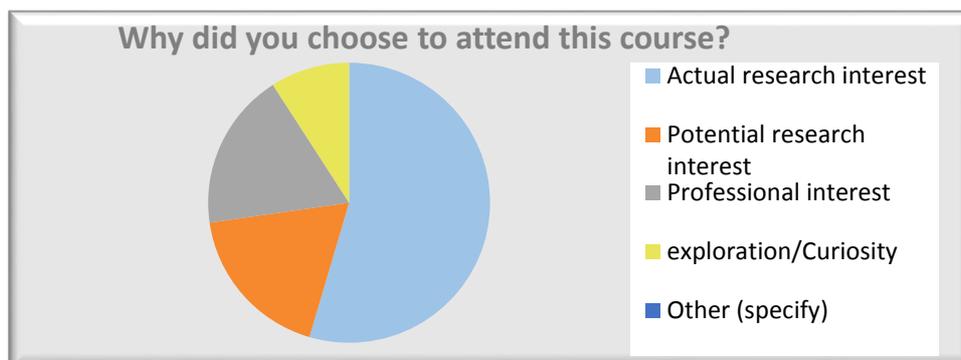
Nb	Name	Surname	Institution	Mail	City/Country
1	Gök	Abdullah	University of Manchester ; MIoIR	abdullah.gok@mbs.ac.uk	Manchester ; UK
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3	Matos	Fabio	Universidade de Aveiro	fmatos@ua.pt	Aveiro ; Portugal
4	Akyut	Stefan	LISIS (Université Paris-Est) et Centre Marc Bloch (Berlin)	s.aykut@gmail.com	Paris ; France
5	Ejderyan	Olivier	Transdisciplinary Lab Department of Environmental Systems Science ETH Zurich	olivier.ejderyan@usys.ethz.ch	Zurich ; Suisse
6	Recauchere	Olivier	INRA - DEPE	Olivier.Recauchere@paris.inra.fr	Paris ; France
7	Reis	Isabel	FCT	Isabel.Reis@fct.pt	Lisbonne ; Portugal
8	Beldame	Diane	INRA - DEPE	diane.beldame@paris.inra.fr	Paris ; France
9	Weeks	Madeline	LISIS, INRA	mrweeks001@gmail.com	Paris ; France

ANNEX 2

PROGRAMME

Day 1 - October 6th, 2015
10h00: Welcome at Ibis Hotel – Noisy Champs
10h30-12h30: Introduction about Objectives and Lectures
12h30-13h30: Lunch
14h-16h30: Step by Step Demonstration with Feed-Back and discussions
Coffee Break
17h00-18h00: From Database to Publication: an example of using CorTextT with the presence and testimony of Researchers
19 h30: Diner (at Ibis Hotel)
Day 2 - October 7th, 2015
9h00-10h30: Work in groups on the same datasets (1): Parsing and extracting Coffee Break
11h00-13h00: Work in groups on the same datasets (2): Datasets analysis for the characterisation of structural features
13h-14h : Lunch
14h00-16h00 : Work in groups on the same datasets (3): Graph interpretation and temporal analysis
16h-17h: Recap, feedback, discussions and follow-up

ANNEX 3 ASSESSMENT



RATINGS

<i>Were the course objectives clearly defined?</i>	
<i>Were the contents of the course consistent with the course description?</i>	
<i>Has this course stimulated your interest?</i>	
<i>Was the course well organized?</i>	
<i>Was the course well structured?</i>	
<i>Have teaching materials facilitated learning?</i>	
OVERALL SATISFACTION (scale 1-10)	<div style="border: 2px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> 9 </div>

BEST FEATURES

ASPECTS TO IMPROVE

<ul style="list-style-type: none"> • The hands-on approach 	<ul style="list-style-type: none"> • Explore a bit more on the 1st day the proximity measures available in the platform, how they work and in which cases are more appropriated
<ul style="list-style-type: none"> • Adaptation of the course to participants' level 	<ul style="list-style-type: none"> • Better overview of the functionalities of the tool (basic statistics, graphs)
<ul style="list-style-type: none"> • Number (numerous) of trainers • Concrete examples 	<ul style="list-style-type: none"> • A follow-up workshop in one week to review progress and go over questions would be terrific to really instil the learning. More information on the underlying logic of the outputs.

The studies of sciences dynamics and innovation in society is facing the heterogeneity of data, methods and purposes not only to measure but also to characterise the production, circulation, and uses of knowledge in society.

The CorText–Lab initiative is a collaborative project to congregate social science researchers, data scientists and IT engineers in the design of a open-source Platform delivering a friendly web application for the analysis of science, technology and innovation in society. Within the RISIS Infrastructure Project, the CorText.Risis facility proposes an innovative assembly of machines and software, skills and knowledge, methods and know-how in order to empower researchers with specific tools, instruments, computing systems, database repository and methodology to define, retrieve, store, characterize and analyse various types of corpuses of texts.

(1) The provision, through Internet, of an increasing amount of sources and data is establishing a huge and permanently renewed field of enquiry for textual analysis;

(2) The traceability of scientific activities and innovation processes in society thanks to databases of scientific articles, patents, scientific projects, experts recommendations, media coverage, regulation and blogs, represents a new source of data.

(3) Researchers in social sciences are also producers of texts through their own research practices (databases, interviews, surveys, and archives), this is also a matter of interest.

CorText.Risis offers thus a technological platform positioning itself as a particular kind of digital instrument centred on the exploitation and the analysis of heterogeneous textual data. This platform is at once a physical place to assemble together computing tools, methodologies and skills, but it is also accessible through any web access in order to enable delocalised research activities to work at distance with their own datasets.

