

## Work And Budget Plan

CA15109 Grant Agreement Period 2

01/05/2017 to 30/04/2018

### Section I: Action Profile

#### Action General Information

Action Code	CA15109	MC Chair	Prof Ernst Wit
Action Title	CA15109 - European Cooperation for Statistics of Network Data Science (COSTNET)		
MOU	041/15	Draft MOU	OC-2015-1-19400
CSO Approval Date	2015-10-30		
Action Start Date	2016-05-11	Action End Date	2020-05-10
Science Officer	Ms Estelle Emeriau	Administrative Officer	Ms Rose Cruz Santos

#### Participating COST Members:

	ITC		Non-ITC		Total
COST Members (countries) having accepted the MoU	Number	13	Number	14	27
	% of all ITCs	48.15%	% of all non-ITCs	51.85%	
Number of Action MC members	26		28		54

COST Member and Acceptance Date		
BE 19/02/2016	HU 02/02/2016	RO 15/03/2016
BG 15/02/2016	IE 16/12/2015	RS 16/12/2015
HR 29/12/2015	IL 20/12/2015	SI 15/11/2015
CY 28/01/2016	IT 18/02/2016	ES 13/01/2016
DK 07/01/2016	LT 06/01/2016	SE 23/02/2016
EE 17/02/2016	NL 08/12/2015	CH 23/03/2016
FR 18/12/2015	NO 07/12/2015	TR 03/03/2016
DE 24/11/2015	PL 18/12/2015	UK 01/12/2015
EL 24/11/2015	PT 22/01/2016	MK 17/11/2015

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## International cooperation

	NNC	IPC	Specific Organisation	Total
Number of entities formally approved to join Action	0	0	0	0
Number of countries	0	0	0	0

## Working Groups

	WG Title	WG Leader	Number of WG members
WG1	Exploring (massive) network data sets	Prof Mariacelia Di Serio	50
WG2	Network Modelling	Prof Steffen Lauritzen	50
WG3	Network Inference & Prediction	Prof Arnoldo Frigessi	50

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## Section II: MoU objectives and Grant Agreement Period Goals and Activities

### Action Objectives from MoU

Aim/primary Objective
critically assess commonalities and opportunities for cross-fertilization of statistical network models in various applications, such as economics, sociology, epidemiology, ecology and biology, with particular attention to scalability in the face of Big Data, while creating a broad and inclusive research community
Secondary objectives
<ol style="list-style-type: none"> <li>1. to initiate novel transdisciplinary research links within academia and with industrial stakeholders with special attention to Early Career investigators, gender balance, and COST Inclusiveness Target Countries.</li> <li>2. to communicate existing approaches from one statistical network application field to another.</li> <li>3. to develop novel theory and methodology in important fields of network applications.</li> <li>4. to seed future research projects to channel efforts and maximize efficiency.</li> <li>5. to identify pressing research needs in statistical network data analysis, modelling and inference.</li> <li>6. to aid and stimulate Early Career Investigators in the field of Statistical Network Science.</li> <li>7. to achieve geographical and demographical diversity with special attention to gender balance and COST Inclusiveness Target Countries, throughout the Action.</li> <li>8. to complement the Action's physical meetings with innovative online initiatives to stimulate more inclusive and continuous collaborative ties between Action participants.</li> </ol>

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## Grant Agreement Period

Grant Agreement Period Start Date	01/05/2017	Grant Agreement Period End Date	30/04/2018
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## Grant Agreement Period Goals

Number	Grant Agreement Period Goal	MoU Objective(s) it relates to
GAPG 1	Outreach to Inclusiveness Target Countries	<ul style="list-style-type: none"> <li>• Secondary objective 7</li> </ul>
GAPG 2	Training of Early Career Researchers	<ul style="list-style-type: none"> <li>• Secondary objective 6</li> </ul>
GAPG 3	Identify pressing research needs in statistical network analysis, modelling and inference.	<ul style="list-style-type: none"> <li>• Aim/Primary objective</li> <li>• Secondary objective 5</li> </ul>
GAPG 4	Exchange of ideas among network statisticians and between network statisticians and stakeholders.	<ul style="list-style-type: none"> <li>• Secondary objective 1</li> <li>• Secondary objective 2</li> <li>• Secondary objective 3</li> <li>• Secondary objective 6</li> <li>• Secondary objective 7</li> </ul>
GAPG 5	Activate peer review, blogging and other social scientific activities on the action website.	<ul style="list-style-type: none"> <li>• Secondary objective 8</li> </ul>

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## Section IV: Work and Budget Plan for the Grant Agreement Period

### Work and Budget Plan Summary

<b>A. COST Networking Tools</b>	EUR
(1) Meetings	82,950.00
(2) Training Schools	8,950.00
(3) Short Term Scientific Missions (STSM)	26,000.00
(4) COST Action Dissemination	0.00
(5) Other Expenses Related to Scientific Activities (OERSA)	0.00
<b>B. Total Science Expenditure (sum of (1) to (5))</b>	117,900.00
<b>C. Financial and Scientific Administration and Coordination (FSAC) (max. of 15% of B)</b>	17,685.00
<b>Total Grant (B+C)</b>	135,585.00

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## Meetings

### Overview

Meeting Title	Meeting Type	Dates	Location	ITC	Total Cost(EUR)
Action conference "Statistical Network Science", Palma de Mallorca, Spain, 25-27 October 2017	Management Committee Meeting, Working Group Meeting, Workshops/Conferences	25/10/2017 - 27/10/2017	Palma de Mallorca (Spain)	No	62,700.00
Sandpit meeting: Statistical Network Science meets Industry	Workshops/Conferences	15/02/2018 - 16/02/2018	Oxford (United Kingdom)	No	20,250.00
				Total	82,950.00

### Details

Meeting Type	Management Committee Meeting, Working Group Meeting, Workshops/Conferences		
Title of the Meeting	Action conference "Statistical Network Science", Palma de Mallorca, Spain, 25-27 October 2017		
Grant Period Goal(s) it will address	Outreach to Inclusiveness Target Countries, Identify pressing research needs in statistical network analysis, modelling and inference., Exchange of ideas among network statisticians and between network statisticians and stakeholders.		
Description	Action conference, which includes a meeting of the 3 WGs and a MC meeting.		
Output(s)	Presentation by Action members		
Location	Palma de Mallorca (Spain)	ITC	No
Start Date	2017-10-25 09:00:00	End Date	2017-10-27 15:00:00
Duration	3 days		
Number of expected total participants	100	Number of participants to be reimbursed from COST funds	70
Average reimbursement(per participant)(EUR)	810.00	Total Reimbursement costs (EUR)	56,700.00
Local Organiser Support (EUR)	6,000.00		
Total cost of the meeting (EUR)	62,700.00		

Meeting Type	Workshops/Conferences
Title of the Meeting	Sandpit meeting: Statistical Network Science meets Industry

Grant Period Goal(s) it will address	Exchange of ideas among network statisticians and between network statisticians and stakeholders.		
Description	In this meeting three companies collaborate with a group of junior and senior statisticians to solve a practical problem.		
Output(s)	Enhanced contacts between academia and industry. Value added to three companies.		
Location	Oxford (United Kingdom)	ITC	No
Start Date	2018-02-15 09:00:00	End Date	2018-02-16 17:00:00
Duration	2 days		
Number of expected total participants	25	Number of participants to be reimbursed from COST funds	25
Average reimbursement(per participant)(EUR)	770.00	Total Reimbursement costs (EUR)	19,250.00
Local Organiser Support (EUR)	1,000.00		
Total cost of the meeting (EUR)	20,250.00		

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## Training Schools

### Overview

Title of the Training School	Dates	Location	ITC	Total Cost(EUR)
Statistical Social Network Analysis in R	21/06/2017 - 23/06/2017	London (United Kingdom)	No	8,950.00
			Total	8,950.00

### Details

Title of the Training School	Statistical Social Network Analysis in R		
Grant Period Goal(s) it will address	Training of Early Career Researchers		
Description	Short course on practical statistical analysis tool for social network analysis. The course is complemented with practical in R.		
Output(s)	Online lecture notes. Training for 10 early career researchers.		
Location	London (United Kingdom)	ITC	No
Start Date	2017-06-21 09:00:00	End Date	2017-06-23 17:00:00
Number of trainers	3	Number of trainees	30
Number of trainers to be reimbursed	2	Number of trainees to be reimbursed	9
Average trainer Reimbursement(EUR)	800.00	Average reimbursement per trainee(EUR)	750.00
Total trainer Reimbursement(EUR)	1,600.00	Total trainee Grant(EUR)	6,750.00
Local Organiser Support (EUR)	600.00		
Total cost of the Training School(EUR)	8,950.00		



## Short Term Scientific Missions (STSM)

Number	Average cost per STSM(EUR)	Total cost(EUR)
20	1,300.00	26,000.00
Grant Period Goal(s) it will address	Outreach to Inclusiveness Target Countries, Training of Early Career Researchers, Exchange of ideas among network statisticians and between network statisticians and stakeholders., Activate peer review, blogging and other social scientific activities on the action website.	
Description	Short scientific mission of Action scientists to exchange ideas on statistical network science.	
Output(s)	Exchange of ideas among network statisticians or between network statisticians and stakeholders. Joint publications.	

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