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## Year 3 Mission Report

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## Table of Contents

1. Executive Summary .....	3
2. Some participants' feedback .....	6
3. Year 3 Overview table.....	7
4. Year 3 Individual Mission Reports (September 2015-August 2016).....	10

## 1. Executive Summary

PROSECCO aims to consolidate research efforts within the CC community, broadly construed, by growing the community in an organic fashion (through e.g. the fostering of new students, as well the cultivation of new research links). Though not a direct funder of research in its own right, PROSECCO will also facilitate the creation of new, or stronger, research connections *within*-discipline, between existing CC researchers, and *cross*-discipline, between existing and new CC researchers.

PROSECCO *travel missions* are designed to achieve this last goal. PROSECCO partners may use a travel mission to visit each other, and thus use the opportunity to explore collaborative possibilities; or they may use a travel mission to visit a CC-relevant non-PROSECCO partner and thereby bring that researcher closer into the CC fold; or they may use a travel mission to invite a CC-relevant non-PROSECCO researcher (academic or student) to visit them.

PROSECCO partners have engaged in a range of travel missions and we observed a clear progression in the number of missions and interactions as the progressed.

The total is 88 missions.

- Year 1 - 19 missions
- Year 2 - 32 missions
- Year 3 - 38 missions

Profile of mission participants

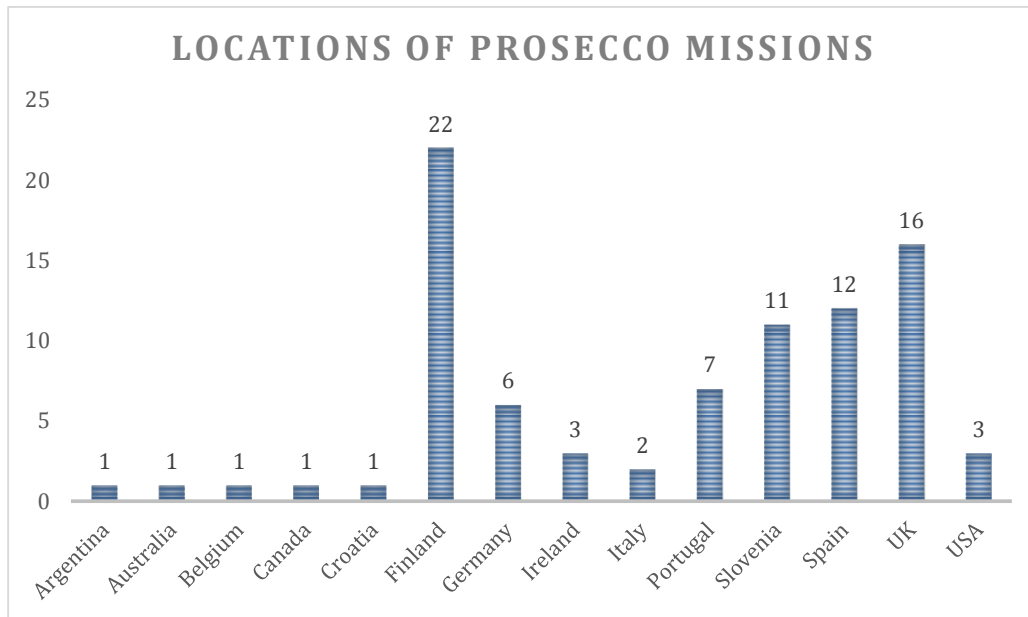
- 17 missions involved PhD students
- 30 missions involved post-doc, research assistants and associates
- 41 missions involved professors and lecturers
- 1 mission involved an NLP expert from Google Japan

Gender balance

27% of the missions were carried out by women



## Locations



The top locations (Finland, UK, Spain, Slovenia and Portugal) are in the countries of the PROSECCO partners and being leaders in the field of CC, these partners made the most of the project to invite and use their labs as places to show their work and engage in a discussion. It is to be noted that 16 missions took place in countries that are not partners in the PROSECCO project. Helsinki, the Finnish partner, organized educational events, for which bursaries were available, accounting for the particularly large Finnish element.

## Outputs

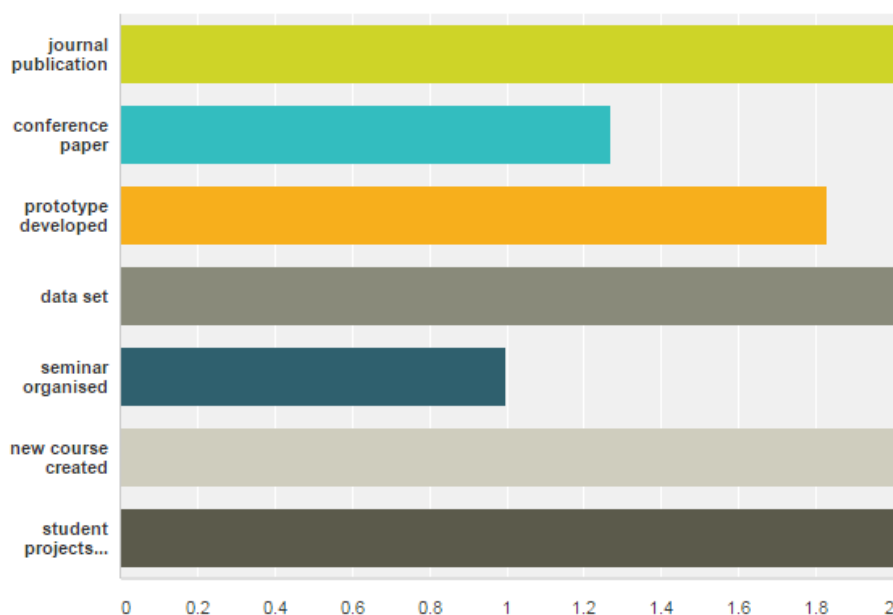
A questionnaire was sent out all Prosecco mission participants to which 27 responded. The purpose of the questionnaire was to collect feedback on the long-term impact of the missions and understand the outcome 1, 2 or 3 years down the line.

55.6% of respondents had participated in a mission less than a year ago, 33.3% between 1 to 2 years, and 11.1% more than 2 years ago.

The results of the questionnaire are shown below.

## Could you please rank your top three main outputs since the end of the mission?

Answered: 17 Skipped: 10



	1st main output	2nd main output	3rd main output	Total	Weighted Average
journal publication	33.33% 1	33.33% 1	33.33% 1	3	2.00
conference paper	72.73% 8	27.27% 3	0.00% 0	11	1.27
prototype developed	33.33% 4	50.00% 6	16.67% 2	12	1.83
data set	25.00% 1	50.00% 2	25.00% 1	4	2.00
seminar organised	100.00% 1	0.00% 0	0.00% 0	1	1.00
new course created	50.00% 1	0.00% 0	50.00% 1	2	2.00
student projects supervised	33.33% 1	33.33% 1	33.33% 1	3	2.00

The report shows that the top outputs of the missions are **conference papers (11)** and **prototypes developed (12)**. Conference papers come as the first main output followed by prototypes developed as the second main output.

The third main output reported is **data sets** with 4 responses.

### Impact

For 70% of the respondents, the mission had not resulted in new PhD research. However for 75% of them the collaboration with the host continues.

In all, the short mission WP has been successful: useful work has been facilitated, by all levels of researcher. There can be no doubt that Computational Creativity has benefitted.

## 2. Some participants' feedback

“The CC lab at Queen Mary University London (visiting institution) has a wide expertise in bottom-up/data-driven analysis and generation of musical structure, which contrasts with the knowledge-based models we have at the Sound and Music Computing Group at INESC TEC. The intersection and comparison between these two approaches can enlighten the work of both groups and ultimately contribute to better models for representing both short- and long-term musical structure.”

“The mission has improved our understanding of linguistic creativity and directly affects on-going scientific work in the area. The mission also contributed to the final step of a PhD in computational creativity.”

“Fuzzy logic is an important component in the process of computational creativity. We need to know what kind of approaches are carried on this field to use them in different works of computational creativity. The proposed Thematic Network of Excellence (proposal discussed during the mission) would contribute significantly to enhance the applications of Soft Computing to Computational Creativity. Even if the proposal is not funded, the PROSECCO mission will have enhanced the visibility of Computational Creativity among the research community of Soft Computing.”

“Building a tool that generates and interprets character metaphors will not only grant creative writers the ability to select apt metaphors, but it will allow everyone to understand such metaphors better and utilize them in various creative usages such as story generation and irony. The mission substantially accelerated our on-going work in Computational Creativity and metaphor in particular, by exposing us to varied research topics and minds in the field.”

“The mission allowed us to better understand different views on how to computationally implement conceptual blending and metaphor, and the resources needed.”

“The initial contact with Dr. Mark Finlayson had been established long ago, as a result of the Nil research group's interest in natural language processing and storytelling. However, the possibility of directly applying the software developed by his research team in the context of an ongoing Computational Creativity project funded by the European Commission constitutes a very positive outcome for the scientific study of computational creativity if it were to succeed.”

“As well as establishing the beginnings of a potentially valuable contribution to statistical linguistic metaphor analysis/generation, the mission served to lay the groundwork for future collaboration between the Discovery group and the NLIP group at the University of Cambridge.”

“It was a great opportunity to explore a novel area of research and continue a past collaboration.”

“This mission was another valuable and fulfilling chance to collaborate with colleagues working on computational creativity at other institutions.”

“Very nice experience and collaboration that will hopefully continue long after the end of the project.”

“It was a good experience, and we were very excited about it, and had some very good initial results and plans for further work, publication, etc., but, unfortunately, other responsibilities seemed to preclude those plans coming to fruition. EU/US support for transatlantic cooperations is what is needed to make this kind of thing really go.”

### 3. Year 3 Overview table

The following table offers a summary of the 38 travel missions that were funded in the final year of the PROSECCO project.

In addition to these missions, PROSECCO offered 13 scholarships to attend a PROSECCO tutorial part of the ICC2016 held in Paris from June 27<sup>th</sup> until July 1<sup>st</sup> 2016.

Sur-name	First name	Gender	Organisation	Host	Mission location	Start date	End date
Veale	Tony	M	University College Dublin	European Open Science Forum	UK	26/07/2016	28/07/2016
Bernardes	Gilberto	M	INESC-TEC	QMUL	UK	18/07/2016	23/07/2016
Veale	Tony	M	University College Dublin	University of Nottingham	UK	04/07/2016	07/07/2016
Finlayson	Mark	M	Florida International University	Universidad Complutense de Madrid	Spain	04/07/2016	09/07/2016
Kutz	Oliver	M	Free University of Bozen-Bolzano	Universidad Complutense de Madrid	Spain	15/06/2016	19/06/2016
Besold	Tarek	M	Free University of Bozen-Bolzano	Universidad Complutense de Madrid	Spain	15/06/2016	19/06/2016
Veale	Tony	M	University College Dublin	HFK Bremen	Germany	04/06/2016	07/06/2016
Linkola	Simo	M	University of Helsinki	University of Sevilla	Spain	31/05/2016	03/06/2016
Manurung	Ruli	M	Google, Japan	University of Helsinki	Finland	31/05/2016	04/06/2016
Veale	Tony	M	University College	Croatian Academy	Croatia	26/05	29/05

			Dublin	of Arts		/2016	/2016
Bautista	Susana	F	Universidad Complutense de Madrid	Universidad del Pais Vasco	Spain	25/05/2016	27/05/2016
Alnajjar	Khalid	M	University of Helsinki	University College Dublin	Ireland	08/05/2016	20/05/2016
Cardoso	Amilcar	M	University of Coimbra	Simon Fraser University, Vancouver	Canada	05/05/2016	13/05/2016
Veale	Tony	M	University College Dublin	University of Helsinki	Finland	02/05/2016	08/05/2016
McGregor	Stephen	M	QMUL	Jozef Stefan Institute	Slovenia	13/04/2016	15/04/2016
Agres	Kathleen	F	QMUL	Jozef Stefan Institute	Slovenia	13/04/2016	15/04/2016
Toivonen	Hannu	M	University of Helsinki	Jozef Stefan Institute	Slovenia	13/04/2016	15/04/2016
Alves	Ana Oliveira	F	University of Coimbra	Jozef Stefan Institute	Slovenia	13/04/2016	15/04/2016
Cardoso	Amilcar	M	University of Coimbra	Jozef Stefan Institute	Slovenia	13/04/2016	15/04/2016
Goncalves	Joao	M	University of Coimbra	Jozef Stefan Institute	Slovenia	13/04/2016	15/04/2016
Xiao	Ping	F	University of Helsinki	Jozef Stefan Institute	Slovenia	13/04/2016	15/04/2016
Veale	Tony	M	University College Dublin	Jozef Stefan Institute	Slovenia	12/04/2016	16/04/2016
Veale	Tony	M	University College Dublin	Victoria & Albert Museum	UK	09/04/2016	09/04/2016
Leon	Carlos	M	Universidad Complutense de Madrid	Florida International University	USA	27/03/2016	01/04/2016
Veale	Tony	M	University College Dublin	Interdisciplinary College (IK)	Germany	06/03/2016	09/03/2016
Granroth-Wilding	Mark	M	University of Cambridge	University of Helsinki	Finland	01/02/2016	05/02/2016
Nazareth	Deniece	F	University of Twente	University of Helsinki	Finland	25/01/2016	29/01/2016
McGregor	Stephen	M	QMUL	University of Helsinki	Finland	12/01/2016	14/01/2016
Agres	Kathleen	F	QMUL	University of Helsinki	Finland	12/01/2016	15/01/2016
Gervas	Pablo	M	Universidad Complutense de Madrid	University of Surrey	UK	15/12/2015	16/12/2016
Gervas	Pablo	M	Universidad Complutense de Madrid	Free University of Bozen-Bolzano	Italy	14/12/2015	16/12/2016
Leon	Carlos	M	Universidad Complutense de Madrid	Free University of Bozen-Bolzano	Italy	14/12/2015	16/12/2016



Martins	Pedro	M	University of Coimbra	23rd Int. Conf. Case-Based Reasoning	Germany	28/09/2015	28/09/2015
Hervas	Raquel	F	University of Coimbra	23rd Int. Conf. Case-Based Reasoning	Germany	28/09/2015	28/09/2015
Cardoso	Amilcar	M	University of Coimbra	23rd Int. Conf. Case-Based Reasoning	Germany	28/09/2015	28/09/2015
Manzoli	Jônatas	M	University of Campinas, Brazil	University of Coimbra	Portugal	23/09/2015	25/09/2015
Gervas	Pablo	M	Universidad Complutense de Madrid	St Lucas University College of Art	Belgium	15/09/2015	19/09/2015
Gervas	Pablo	M	Universidad Complutense de Madrid	Universidad de Cadiz	Spain	10/09/2015	11/09/2015