



Deliverable 4.2

Website and Brochure

DISSEMINATION LEVEL		
PU	Public	X
CO	Confidential, only for members of the consortium (including the Commission Services)	

COVER AND CONTROL PAGE OF DOCUMENT	
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Editor: Institution: E-mail:	Sarah Mortimer SIG (SEZ) mortimer@steinbeis-europa.de

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¹ R=Report, DEC= Websites, patents filling, etc., O=Other

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Change Control

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1 Introductory Remarks

This Deliverable is meant to present the the TAMS4CPS website and brochure, which are the most important means for effective TAMS4CPS dissemination. As set out in the description of action (DoA), they contain key information about the project. The TAMS4CPS website will not only provide information, but will be a major source through which the M&S for CPS constituency can access project deliverables.

The project website is henceforce accessible under the EU-domain www.tams4cps.eu

2 Website Concept and Requirements

For the conception and development of the TAMS4CPS website, best practice guidelines for EU project websites published by the European Commission have been taken into consideration.

Furthermore, a number of requirements have been set forth:

- Implementation with a standard open-source content management system (word press) to be easily extendable not only in terms of content but also in terms of structure and functionality. The selected content management system allows for multi-user access and role-based rights to ensure that all consortium members can generate content it they wish to.
- A structured navigation bar including project details with a description of the five TAMS4CPS themes, partners and US points of contact, a news and events section, resources, and contact.
- Information on the project, its structure, goals and objectives
- Omnipresent news & event section referring to upcoming events and announcing TAMS4CPS workshops and webinars
- Public materials (public Deliverables, documents and other project related publications) will be uploaded to the resources section. It will serve as a repository for public Deliverables and draft documents to be shared with the TAMS4CPS experts group and all other interested stakeholders.
- Online subscription for the TAMS4CPS Experts Group. That way the experts group can be extended and targeted contacts with a matching expertise will be asked to become members of the TAMS4CPS constituency.

- Hosting on a server within the EU and use if a “eu” domain

The TAMS4CP project website will further evolve as the project progresses and extended continuously in terms of content and – whenever necessary – in terms of structure and functionality.

3 Website Implementation, Structure and Content

The website has been implemented with the WordPress content management system, a well known and well-supported, scalable and most powerful open-source system for managing website content. The website backed by this system is hosted on a leased managed webspace on a physical server located in Germany and will be maintained by a subcontractor for five years beyond the end of the project.

The TAMS4CPS website is accessible under the EU-domain www.tams4cps.eu.

The initial website provides the following information and functionally and will be updated regularly throughout the project life-time:

- An overview on project details, scope and project objectives
- Presentation of M&S for CPS research themes
- Presentation of all consortium partners and US points of contact involved
- Coordinator contact information
- Online subscription form for the TAMS4CPS Experts Group
- Implementation of Twitter handle (<https://twitter.com/TAMS4CPS>)
- Submitted public Deliverables will be provided in the resources section
- Implementation of function to track web traffic

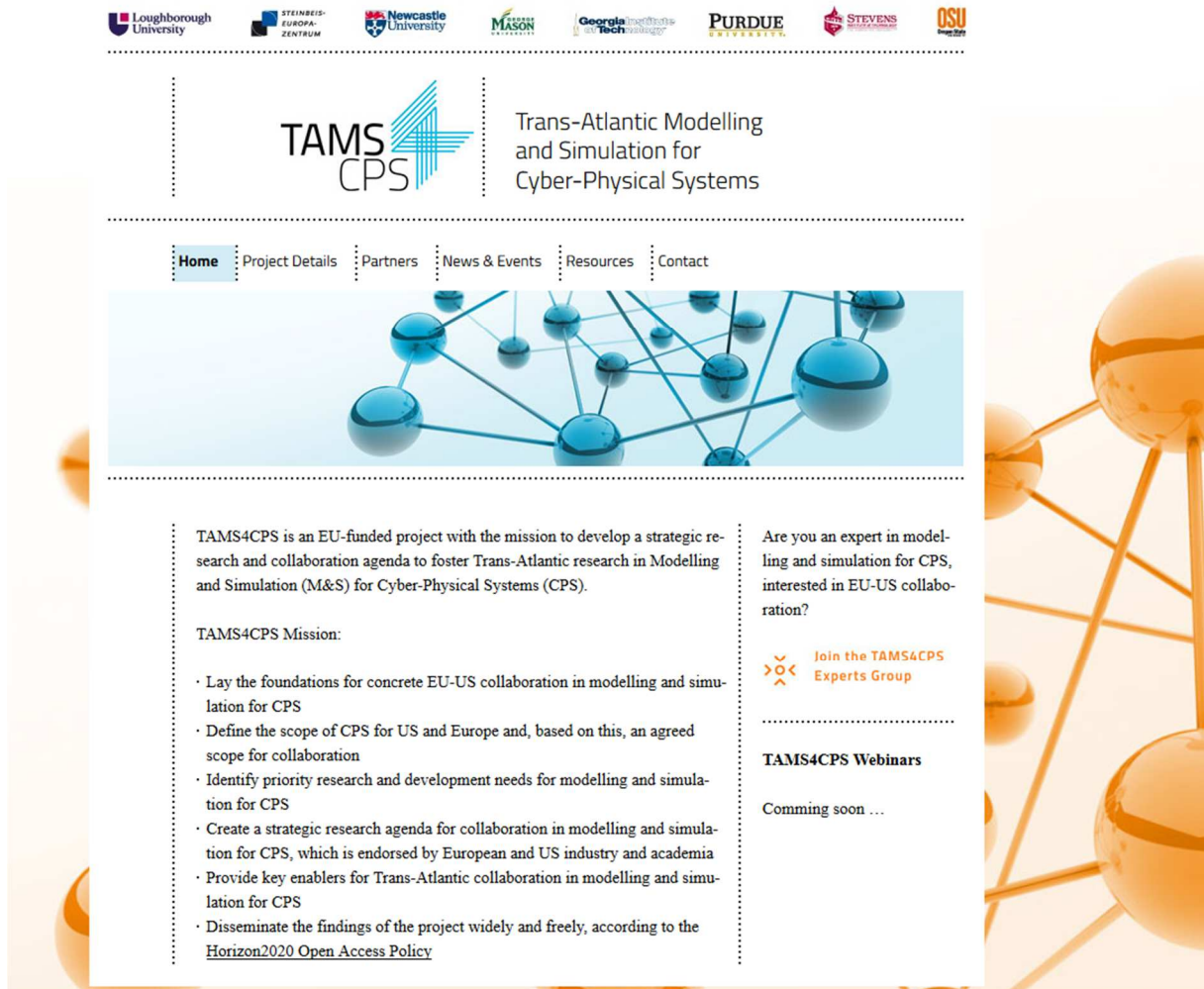


Figure 1: TAMS4CPS project website launched

4 TAMS4CPS Brochure

The project brochure, hereafter referred to as project flyer, consists of an A4 tri-fold-leaflet. Barrel-folded it generates 6 pages of 1/3 A4 size. The content on the project description and main objectives is the same text as on the website. A few images, partner logos and the coordinator contact were added. A kit of project flyers will be provided to each partner to be taken along to conferences and networking events.

TAMS4CPS

Research Themes addressed in TAMS4CPS

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Taking a consultative approach, the project partners engage industry and academic researchers and M&S users in a series of workshops and web-based meetings to prioritise M&S research challenges and to create a constituency, which will provide a basis of future collaboration for pre-competitive research. All activities aim for a comprehensive implementation of the SRAC in a trans-national context ultimately benefitting both US and EU competitiveness.

The project directly addresses European priorities in CPS: the focus is on the following themes, which are derived from those elaborated by ARTEMIS, the European Industry Association in Embedded & Cyber-Physical Systems:

1. Architectures principles and models for autonomous safe secure Cyber-Physical Systems,
2. Systems design, modelling and virtual engineering for Cyber-Physical Systems,
3. Real time modelling for autonomous adaptive and cooperative Cyber-Physical Systems,
4. MBSE applied to computing platforms and energy management for Cyber-Physical Systems,

To these is added a fifth theme of:

5. Integration of socio/legal/governance models within modelling frameworks.

TAMS4CPS

Join the TAMS4CPS Community of Experts!

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Are you an expert in modelling and simulation for CPS, interested in EU US collaboration? If, so the TAMS4CPS consortium welcomes you to become a member of the TAMS4CPS constituency.

Join the TAMS4CPS Experts Group:
www.tams4cps.eu/expertsgroup

Trans-Atlantic Modelling and Simulation for Cyber-Physical Systems

	Loughborough University, UK www.loughborough-university.com
	Steinbeis-Europa-Zentrum, D www.steinbeis-europa.de
	Newcastle, UK www.steinbeis-europa.de
	Mason, USA www.steinbeis-europa.de
	Georgia, USA www.steinbeis-europa.de
	Purdue, USA www.steinbeis-europa.de
	Stevens, USA www.steinbeis-europa.de
	OSU, USA www.steinbeis-europa.de

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 644821.

Figure 2: TAMS4CPS brochure/project flyer outside

TAMS4CPS
About the
TAMS4CPS Project

TAMS4CPS is an EU-funded project with the mission to develop a strategic research and collaboration agenda to foster Trans-Atlantic research in Modelling and Simulation (M&S) for Cyber-Physical Systems (CPS).

TAMS4CPS Mission:

- Lay the foundations for concrete EU-US collaboration in modelling and simulation for CPS
- Define the scope of CPS for US and Europe and, based on this, an agreed scope for collaboration
- Identify priority research and development needs for modelling and simulation for CPS
- Create a strategic research agenda for collaboration in modelling and simulation for CPS, which is endorsed by European and US industry and academia
- Provide key enablers for Trans-Atlantic collaboration in modelling and simulation for CPS
- Disseminate the findings of the project widely and freely, according to the Horizon2020 Open Access Policy

TAMS4CPS
Cyber-Physical
Systems

Cyber-Physical Systems can be generally defined as integrations of computation and physical processes (Lee,2007). So called Smart systems, in which sophisticated software and hardware is embedded in physical systems, are part of everyday life and offer a wide range of new applications and services to consumers and businesses.

From simple products with embedded decision-making software to massive systems in which hundreds of individual systems (each with hundreds or thousands of embedded processors) interoperate, the growth of Cyber-Physical Systems (CPS) is likely to further accelerate.

For industry and society in the EU and US to benefit from this expansion, there must be advances in the modelling and simulation (M&S) of CPS. Collaborative research, bringing together EU and US expertise in these fields, could bring major benefits in achieving this.

The TAMS4CPS project is a coordination and support action (CSA) funded by the European Commission under the grant agreement number 644621. The project runs from February 2015 to January 2017 and its overall aim is to lay the foundations for concrete EU-US collaboration in modelling and simulation for CPS.

To achieve this, the project partners work with five leading researchers in the field at top US universities to create:

- A **Strategic Research Agenda for Collaboration (SRAC)**, based on a comprehensive roadmapping process and endorsed by researchers in the EU and US,
- A set of openly available **test cases for model developers** which can be used for collaborative evaluation,
- A **web-based report on the state-of-the-art** in M&S for CPS to provide the context for the SRAC and to act as a baseline for future collaborative research activities.



Figure 3: TAMS4CPS brochure/project flyer inside