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***Report on Events, V1***

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**Abstract:**

The strategic goal of the SUCCESS interactive dissemination activities such as events is to trigger open discussions, to facilitate collaborations and to spark innovation in the overlapping domains of ICT, security and energy. SUCCESS has a three-way concept for events, which is oriented towards its multi-faceted target audience. This approach results in three types of events: Innovation events, Trial site open Days and exhibition stands and special sessions in scientific conferences. Within the scope of this deliverable, an innovation event and a special session at a scientific conference have been successfully organized with sizeable amounts of respective participation.

**Keyword list:**

Events, Dissemination, Innovation event, Scientific conference, communication, Impact

## Executive Summary

SUCCESS has a three-way concept for interactive dissemination activities such as events. The concept is oriented towards the multi-faceted audience that the SUCCESS project aspires to have an impact on. Innovation events address the short-term innovation drivers and the local community by stimulating involvement in the project. Trial Site Open Days will address the entire community showcasing the validation of a specific application in a real context. Exhibition and special sessions address the specialized industrial and scientific audience, respectively, by showing targeted results and achievements and collecting useful critical feedback.

The first innovation event has taken place in Terni, Italy with a large number of attendees. A special session in a scientific conference has been organized and chaired successfully in Krakow, Poland.

The tentative plan for the coming innovation events foresees a future event in Brussels, Belgium, with the object of raising awareness in the heart of the European decision making focal point and a further event in the pulsing IT start-up capital, Berlin, Germany.

The tentative plan for the upcoming open Trial Days foresees one open Trial Day at each of the three SUCCESS trial sites.

The tentative plan for upcoming exhibitions and special sessions foresees regular active participation in the major relevant exhibitions such as the annual European Utility Week as well as a further special session.

## Document History

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## Table of Contents

<b>1. Introduction .....</b>	<b>5</b>
1.1 Events concept .....	5
<b>2. Innovation events.....</b>	<b>5</b>
2.1 1 <sup>st</sup> Innovation event in Terni, Italy .....	5
2.1.1 Concept and agenda .....	5
2.1.2 Press activities and participants.....	6
2.1.3 Evaluation and results .....	8
<b>3. Trial site open Days .....</b>	<b>8</b>
<b>4. Exhibition stands and special sessions .....</b>	<b>8</b>
4.1 Exhibition stands .....	8
4.2 Special session at the Second International Conference on Event-Based Control, Communication and Signal Processing EBCCSP 2016 .....	9
<b>5. Tentative plan for future events.....</b>	<b>9</b>
5.1 Innovation events .....	9
5.2 Trial site open Days .....	10
5.3 Exhibitions and special sessions .....	10
<b>6. References.....</b>	<b>10</b>

## 1. Introduction

This deliverable provides information on the events organized by SUCCESS in order to increase the awareness and the involvement of the relevant community of the SUCCESS results. The strategic goal of the SUCCESS events is to trigger open discussions, to facilitate collaborations and to spark innovation in the overlapping domains of ICT, security and energy.

### 1.1 Events concept

The SUCCESS events are integrated within the general communication concept of SUCCESS aiming to promote our vision of an open and secure Smart Grid.

A series of events, adjusted to the respective target audience, will bring together a wide spectrum of market players such as energy companies, grid and infrastructure owners, equipment/smart meter manufacturers, energy aggregators, ICT operators and IT suppliers, technology providers, user associations, automotive OEMs and venture capital and investment banks.

There are three types of events with SUCCESS presence.

- Innovation events  
Main Audience: Innovation drivers, such as SMEs, academia focused on applied research, industrial research,
- Trial site open Days  
Main Audience: SUCCESS community which would be interested in experiencing the results of SUCCESS. More specifically, from the energy industry: energy providers and distribution grid owners, cyber security professionals, smart meter manufacturers.
- Exhibition stands and special sessions.  
Industry professionals, strong market players on the one side and academia and research on the other side.

## 2. Innovation events

Innovation events aim to introduce the SUCCESS concepts to innovation drivers at selected sites, so as to establish and feed a creative ecosystem around SUCCESS that can enrich and validate the ideas of SUCCESS. Furthermore, these events attempt to trigger the community with the SUCCESS concepts and provide a platform for the related innovation drivers to present relevant ideas and receive feedback.

The SUCCESS project has proposed to organize at least two innovation events. The current planning foresees three innovation events. Each innovation event, apart from its general framework which aims at addressing an innovative audience will also have a specific focus.

### 2.1 1<sup>st</sup> Innovation event in Terni, Italy

Within the scope of this deliverable, lies the first innovation event which has taken place on September 22nd in Terni, Italy at the premises of the SUCCESS partner ASM.

#### 2.1.1 Concept and agenda

The distinguishing concept of the first innovation event was to build bridges with other ongoing or upcoming relevant European projects and to build upon the experience from finalized projects. Most notable among these projects are the ongoing SPARKS [1] and NOBELGRID project [2], but also PRECYSE [3] and the upcoming WISEGRID. The SUCCESS project was eager to connect as early as possible with the afore-mentioned projects having set up the innovation event as early as the necessary dissemination and promotion material could be produced.

A further significant aim for the first innovation event was to give a lively signal regarding the beginning of the project and to trigger an early build-up of the SUCCESS community with effective media activity.

The final ingredient, common to all innovation events, was the involvement of innovators and young audience into the SUCCESS concepts but also to increase of awareness on the general guidelines around the work topic, namely cyber security in the critical context of energy and smart metering.



The agenda of the meeting thus included four components:

- Invited presentations on the projects SPARKS, PRECYSE, NOBELGRID and WISEGRID
- Presentations from SUCCESS regarding the concepts and work plans as well as the preliminary work undertaken by the project.
- Invited presentations by local, regional and intraregional authorities increasing the sensitivity and the awareness on cyber security in the energy domain
- A company pitch and networking session was organised and run successfully in the session after the lunch break.

### 2.1.2 Press activities and participants

In order to attract a sizeable amount of local participation, a targeted and broad press coverage in the days preceding the event ensured good participation in the event. In fact, the room we had booked was full with over 150 participants attending the event and it was covered by Italian TV.



More specifically, two days preceding the event, the SUCCESS project was welcomed by the mayor of the city of Terni, Mr. Leopoldo Di Girolamo, at the city town hall. Mr. Girolamo emphasized the significance of such projects for the city and the acute relevance of the topic of cyber security in today's society and more specifically in the context of secure smart utilities networks. The event was covered by a significant amount

of print media and was also broadcasted on the regional TV.

In the following Table, all articles about our Innovation event published in print media are listed.

Name of media	Title of article	Date of publication
<b>Il Messaggero</b>	Cyber security, coinvolta anche l' Asm	23.09.2016
<b>Il Messaggero</b>	Cyber security, esperti in arrivo da tutta Europa	21.09.2016
<b>Corriere dell' Umbria</b>	Cyber security: come difendersi dai web terroristi	22.09.2016
<b>Corriere dell' Umbria</b>	Entra nel vivo il programma Success	22.09.2016
<b>Corriere dell' Umbria</b>	Coinvolti nel progetto 16 partner provenienti da 10 differenti Paesi	23.09.2016
<b>Umbria 24</b>	<a href="#">Asm Terni, 'Success' per Horizon 2020: al lavoro 16 partner per la sicurezza dei sistemi digitali</a>	21.09.2016

Furthermore, in the following Table, all related links on articles published online regarding the Innovation event can be found (all links checked on availability on the 30.09.2016).

Site title	Type	Title	link
<b>Tele Galileo</b>	TV coverage including live stream on youtube™	Presentazione convegno Asm su "Cyber security for smart grid"	<a href="https://www.youtube.com/watch?v=lgQ4CGO1wf4&amp;feature=youtu.be">https://www.youtube.com/watch?v=lgQ4CGO1wf4&amp;feature=youtu.be</a>
<b>Radio Galileo</b>	Web press	COMUNE TERNI, PRESENTATO IL CONVEGNO ASM SU "CYBER SECURITY FOR SMART GRID" (VIDEO)	<a href="http://www.radiogalileo.it/economia/2016/09/21/25777-comune-terni-presentato-il-convegno-asm-su-cyber-security-for-smart-grid-video">http://www.radiogalileo.it/economia/2016/09/21/25777-comune-terni-presentato-il-convegno-asm-su-cyber-security-for-smart-grid-video</a>
	Web press	ASM: CONVEGNO SU "CYBER SECURITY FOR SMART GRID"	<a href="http://www.radiogalileo.it/economia/2016/09/20/25746-asm-convegno-su-cyber-security-for-smart-grid">http://www.radiogalileo.it/economia/2016/09/20/25746-asm-convegno-su-cyber-security-for-smart-grid</a>
<b>Terni in rete</b>	Web press	ASM: CONVEGNO SU "CYBER SECURITY FOR SMART GRID"	<a href="http://www.terninrete.it/Notizie-di-Terni/asm-convegno-su-cyber-security-for-smart-grid-362369">http://www.terninrete.it/Notizie-di-Terni/asm-convegno-su-cyber-security-for-smart-grid-362369</a>
<b>UmbriaOn</b>	Web press	Cyber security: «Terni sperimenta il futuro»	<a href="http://www.umbriaon.it/2015/cyber-security-terni-sperimenta-il-futuro/">http://www.umbriaon.it/2015/cyber-security-terni-sperimenta-il-futuro/</a>
	Web press	Terni, 'Cyber Security': Asm è protagonista	<a href="http://www.umbriaon.it/2015/terni-cyber-security-asm-e-protagonista/">http://www.umbriaon.it/2015/terni-cyber-security-asm-e-protagonista/</a>
	Web press	Cyber security, Terni protagonista in Europa	<a href="http://www.umbriaon.it/2015/cyber-security-terni-protagonista-in-europa/">http://www.umbriaon.it/2015/cyber-security-terni-protagonista-in-europa/</a>
<b>Umbria domani</b>	Web press	"Cyber Security for Smart Grid": come proteggere le informazioni dagli attacchi della Rete	<a href="http://www.umbriadomani.it/politica-umbria/cyber-security-for-smart-grid-come-proteggere-le-informazioni-dagli-attacchi-della-rete-108285/">http://www.umbriadomani.it/politica-umbria/cyber-security-for-smart-grid-come-proteggere-le-informazioni-dagli-attacchi-della-rete-108285/</a>

The event attracted a sizeable participation of >150 attendees. Particularly successful was the outreach to the younger audience (such as students) which amounted to approximately 20% of the audience. The Civil Authorities, company/SME representatives and project partners add up approximately equal proportions of the audience (10-13%). The remaining participants, approx. 45%, were citizens (who provided no specific characteristics during the registration). In order to enable a wide outreach and increase the awareness on the topics in the local society, simultaneous translation (English – Italian) was offered by means of headphones to the audience. This feature was broadly welcomed, and helped towards overcoming the language barrier.



### 2.1.3 Evaluation and results

The evaluation of the event in Terni can be summed up as very successful. The main goals were achieved. More specifically:

In the domain of building bridges with related projects, the presentations and the subsequent discussions identified several areas of common interest and the intention of following up with further exchange both technical and non-technical, as well as potentially joint activities were explicitly asserted. For example, SUCCESS partners are expected to attend the upcoming workshop by the project SPARKS on Security Requirements for Smart Grids and their Economic, Legal and Societal Aspects in Brussels. Furthermore, thoughts were discussed of organizing a joint event with other projects.

In the domain of setting up a lively signal on the start of SUCCESS, the presence of more than 150 attendants, the strong media coverage and the participation of top level authorities, notably Mr. Gianperro Bocci (Permanent Under-Secretary of State of Home Office), Dr. Ivano Gabrielli (National Center Anticrime for the Protection of Critical Infrastructure) and Mr. Leopoldo Di Girolamo (Mayor of Terni) have given a strong signal on the considerable significance that the aspects treated by SUCCESS have in the political agenda. For example, Twitter™ [4] and LinkedIn™ [5] posts by the SUCCESS account regarding the event have created immediate feedback from the interested community regarding further updates and/or possible cooperation.



In the domain of promoting and involving innovative audience in the goals of SUCCESS, a number of statements from top level participants, for example, regarding privacy and the importance of cyber security, have created a noticeable reaction by the audience. Furthermore, the explicit reference to the current increasing demand on human resources in the domain of security by the industry and research institutions has triggered a number of follow up inquiries. The involvement of interested audience into the presented topics was topped off with a light lunch and a vivid networking session as well as the presentation of related e-vehicle charging technologies by one of the participating SMEs.

## 3. Trial site open Days

Each Trial site will organize an open Day focused on related industry participation. Thus, there will be three Trial site open day events. The open days shall provide a wide industry input to the SUCCESS results. The Trial site open Days are scheduled from January 2018 to November 2018.

## 4. Exhibition stands and special sessions

Last but not least, SUCCESS aims to develop a significant exchange with participants at exhibitions and scientific conferences. For this, SUCCESS partners will attend third party events where the industrial and scientific community gathers to discuss cutting edge technology in the sector. Participating in such events, SUCCESS will use the feedback from the respective community to confirm the relevance of its results.

### 4.1 Exhibition stands

Within the scope of this deliverable, no exhibitions were relevant.

## 4.2 Special session at the Second International Conference on Event-Based Control, Communication and Signal Processing EBCCSP 2016

Within the scope of the current deliverable, one special session was organized at the IEEE international conference EBCCSP 2016 [6].

The conference concerns recent advances and developments in the event-based (Lebesgue-based) systems and architectures applied in disciplines including control, communication and signal processing. Because of its relevance, SUCCESS partners proposed the special session focused on inertia-less energy scenario that requires real time smart metering functionality in order to enable new control modalities.

This years' event was the 2nd edition (sponsored by the IEEE) that attracted 59 articles in the work program and about 70 attendees mainly from Europe, USA, Japan, and Canada.

The special session was titled "Event-based observations and control of renewable energy flows in inertia-less scenario" and focused on event-based sensing in general, event-based real-time observations of energy, frequency and phasors, attributes of power quality, and the control of inertia-less smart grid. In that context, next generation event-based energy monitors supplying the data to AMI and the SCADA were presented first time during the EBCCSP-2015. The viable commercial introduction of renewable energy sources, which are largely incompatible with massive and centralized coal and nuclear power generation have given rise to the paradigm of decentralized grids. The new paradigm creates new requirement on real-time metering and controlling, setting the context for the special session [7].

During the special session, 5 papers were presented, 3 of which with SUCCESS content [8] [9] [10]. The following Table depicts the relevant statistics on the special session.

	Conference	Special session	SUCCESS
<b>Papers</b>	59	5 (8%)	3
<b>Attendants</b>	Approx. 70	>15 (21%)	2 partners

The session enjoyed significant interest in the context of the conference. The specific audience belongs mainly in the community revolving around home/building automation, and energy management. Based on the above-mentioned numbers, our self-assessment about the impacts generated by this event is positive.

## 5. Tentative plan for future events

### 5.1 Innovation events

Two further innovation events are currently foreseen over the duration of the project.

One will be tentatively planned and organized in Brussels as a policy making centre. The current draft of the concept includes other European projects in order to increase both the reach and the impact but also in order to provide the audience with a comprehensive view of the ongoing works of SUCCESS and the further participating projects in the domain of security for critical infrastructures.

The second is tentatively planned and organized to take place in Berlin, a start-up hub in the IT domain. The draft plan includes the attempt at organizing the event within a well-known innovation drivers' facilities, such as for example EIT ICT Labs. By also co-locating the final event – where the final SUCCESS results will be presented – with the innovation event, SUCCESS may present the final results to the most innovative audience to take up and to potentially spark new ideas both for follow-up projects but also most importantly towards maturation from a commercial point of view.

## 5.2 Trial site open Days

The plans for the Trial site open Days foresee three events at the three Trial sites respectively. The tentative dates are in the time interval from January 2018 to November 2018.

## 5.3 Exhibitions and special sessions

SUCCESS partners intend to participate actively and also partially promote SUCCESS content in major exhibitions in the relative field. Notably the following exhibitions within 2016 and 2017 where SUCCESS participation is expected are:

- European Utility Week 2016
- PMR Expo 2016
- Hannover Messe 2017
- eWorld 2017

Furthermore, due to the great acceptance of the research topics discussed during the special session at the IEEE EBCCSP'16, it is intended to attempt a further special session at next years' IEEE EBCCSP'17. In order to increase the impact, the focus of the session will be likely revised by prioritizing industrial applications, security and data protection aspects, and by presenting new research results by SUCCESS.

## 6. References

- [1] SPARKS, „SPARKS project website,“ [Online]. Available: <http://www.sparksproject.eu/>. [Zugriff am 30 September 2016].
- [2] NOBELGRID, „NOBELGRID project website,“ [Online]. Available: <http://nobelgrid.eu/>. [Zugriff am 30 September 2016].
- [3] PRECYSE, „PRECYSE project website,“ [Online]. Available: <http://precyse.eu/>. [Zugriff am 30 September 2016].
- [4] SUCCESS, „SUCCESS Twitter Account,“ [Online]. Available: <https://twitter.com/successenergy1>. [Zugriff am 30 September 2016].
- [5] SUCCESS, „SUCCESS LinkedIn group,“ [Online]. Available: <https://www.linkedin.com/groups/12010276/profile>. [Zugriff am 30 September 2016].
- [6] EBCCSP2016, „Second International Conference on Event-Based Control, Communication and Signal Processing Homepage,“ [Online]. Available: <http://home.agh.edu.pl/~ebccsp16ct>. [Zugriff am 30 September 2016].
- [7] EBCCSP2016, „Call for Papers, Special Session 06, "Event-based observations and control of renewable energy flows in inertia-less scenario",“ [Online]. Available: <http://home.agh.edu.pl/~ebccsp16/special-sessions-call-for-proposals/>. [Zugriff am 30 September 2016].
- [8] M. -. I. Simonov, Compressive Sensing with Sparse Reporting for Energy, Krakow, Poland : IEEE Society , 2016.
- [9] M. -. I. Simonov, Data Protection Aspects in Lebesgue-based Meters, Krakow, Poland: IEEE Society, 2016.
- [10] M. -. I. Simonov, Handling Load Aggregations with Event-Driven Energy Metering, Krakow, Poland : IEEE Society , 2016.