

EMPOWER Study Visits FORM 2: VISIT PLAN

PART 1 OUTLINE

GOOD PRACTICE(S)	P5-1 Saint Sulpice Smart City P5- 2 Raspberry Pi electricity monitoring P5-4 Aliotys Energy Management
DATE OF VISIT	15-16 november 2017
HOST PARTNER	City of Lorient
Contact Officer (name)	Pierre CREPEAUX
Contact email	pcrepeaux@gmail.com
Contact phone	+33 (0)297353272
Contact mobile	+33 (0)689091971

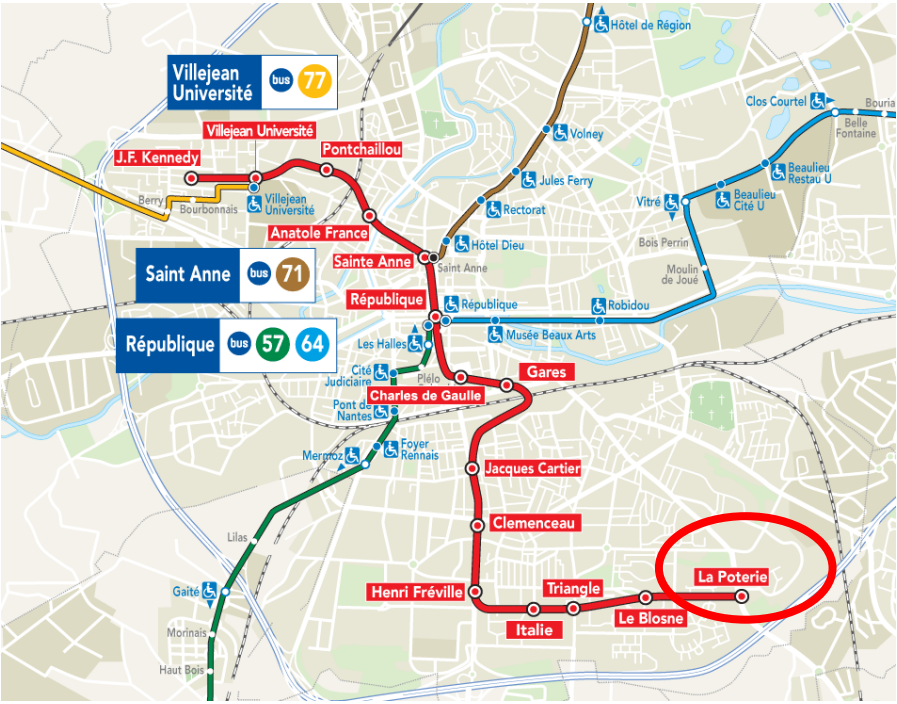
PROGRAMME START & END

	DATE	TIME	
START	15/11/2017	9h15	All participants to have arrived and be ready for work!
END	16/11/2017	16h30	No participants to leave before this.

PROGRAMME SUMMARY

Wednesday 15 th November – Meeting in Rennes	
9h15	Meeting at “Poterie” Metro Station



	
9h30-10h	<p>Transfer to Saint Sulpice La Forêt city hall (by minibus/car) 3 Rue l'Abbaye, 35250 Saint-Sulpice-la-Forêt</p>
10h-12h30	<p>Visit of the town : monitoring of public buildings</p> <p><i>Smart Saint-Sulpice is an experiment conducted in partnership with Rennes Saint Malo Lab, which aims to reduce the energy bill of the municipality by at least 20%. How? By managing in real time the energy consumption of all communal buildings, thanks to the new technologies of the Internet of Things. To succeed, the community deployed a network of wireless sensors. This simple installation did not require any work or wiring and was completed in just three days.</i></p>
12h30-14h	<p>Lunch – place TBC (at participant's own expense)</p>
14h15-16h45	<p>Visit of Wi6 lab 1137A Avenue des Champs Blancs 35510 Cesson-Sévigné</p>



	<i>Wi6Labs develops low power and long range Wireless sensors networks for applications where access to internet and energy is difficult. They offer end to end solution from sensor design and integration to delivery of service including data transmission and provision. Wi6Labs promotes innovative technologies to reduce costs, energy consumption and raw material for targeted markets.</i>
16h45-17h	Transfer to Rennes city center
Thursday, 16 th November 2017 – meeting in Lorient	
9h00	Meeting – Lorient train station
9h15-9h45	Transfer (by car or bus) to Ploemeur
9h45-12h30	Meeting at Ploemeur Fab Lab 15 rue Galilée Espace Créa 56270 Ploemeur Bring your Laptop! Practical Workshop of dataloging – discovering Raspberry Pi capacities Workshop with Gautier Husson (Liberasys)
12h30-13h30	Lunch
13h30-16h30	Practical Workshop of dataloging – programming a sensor and transferring data
16h30-17h	Transfer to Lorient Train Station



PART 2 DETAIL

#	Last Name	First Name	Structure	Email	Phone Number	15/11	16/11
1	Crépeaux	Pierre	Ville de Lorient	pcrepeaux@mairie-lorient.fr	+33689091971	✓	✓
2	Corre	François	Ville de Lorient	fcorre@mairie-lorient.fr		✓	
3	Le loup	Yannick	Ville de Lorient	yleloup@mairie-lorient.fr		✓	✓
4	Ganchou	Ruby	ALOEn (stakeholder)	rubyganchou@aloen.fr		✓	✓
5	Lallouet	Laetitia	Lorient Agglomération (stakeholder)	llallouet@agglo-lorient.fr		✓	
6	Husson	Gautier	Liberasys (stakeholder)				✓
7	Trappe	Dirk	Energy Agency of Saxony-Anhalt (LENA)	Trappe@lena-lsa.de	+493915672032	✓	✓
8	Schumann	Luisa	Development Bank Saxony-Anhalt (IB)	Luisa.schumann@ib-lsa.de	+493915898386	✓	✓
9	Volk	Steffen	Ministry of Finance Saxony-	Steffen.volk@sachse-n-	+493915671207	✓	✓



			Anhalt (MF)	anhalt.de			
10	Gatteschi	Sergio	FEA	sergiogatteschi@yahoo.it	+393342814524	✓	✓
11	Tani	Simone	FEA Stakeholder			✓	
12	Kelly	Orla	Southern Regional Assembly	okelly@southernassembly.ie	+353860439777	✓	✓
13	Cassidy	Brian	Cork City Council (Stakeholder for SRA)	brian_cassidy@corkcity.ie	+353862077663	✓	✓
14	Gunnarsson	Roger	Energy Agency for Southeast Sweden/ÖSK	Roger.gunnarsson@energikontorsydost.se	+46706208305	✓	✓
15	Svensson	Katrine	Energy Agency for Southeast Sweden	Katrine.svensson@energikontorsydost.se	+46735088529	✓	✓
16	Nyman	Mikael	Västervik municipality	Mikael.nyman@vastervik.se	+46490257067	✓	✓



VISITOR PARTNER 1

PARTNER NAME	FEA
Contact Officer (name)	Sergio Gatteschi
Contact email	sergiogatteschi@yahoo.it
Contact phone	+39 3333818634
Contact mobile	+39 3333818634
OBJECTIVES OF THE VISIT please state as a list: one objective per row	
1. Study how is possible managing in real time the energy consumption of all communal buildings, thanks to the new technologies of the Internet of Things.	
2. Study the community of Saint-Sulpice network of wireless sensors	
3. Study Wi6Labs develops low power and long range Wireless sensors networks for applications where access to internet and energy is difficult	
4. Know the participants of the Empower project	
5. Manage the next steps of the proyect	
6.	

MEMBERS OF THE DELEGATION (Group leader first)			
Please provide a justification ^[1] for anyone who is not an employee of an EMPOWER project-partner			
Name - leader	Sergio Gatteschi	Organisation	FEA
Position	Project Manager	Justification	
Name	Simone Tani	Organisation	FEA
Position	Councillor of State Energy Programs	Justification	Stakeholder
Name		Organisation	
Position		Justification	
Name		Organisation	
Position		Justification	
Name		Organisation	
Position		Justification	
Name		Organisation	
Position		Justification	



VISITOR PARTNER 2

PARTNER NAME	P8 – Development Bank of Saxony-Anhalt
Contact Officer (name)	Luisa Schumann
Contact email	Luisa.schumann@ib-lsa.de
Contact phone	+49 391 589-8386
Contact mobile	+49 177 7931237
OBJECTIVES OF THE VISIT please state as a list: one objective per row	
1. Learn about the EMS in Saint-Sulpice-La-Forêt	
2. Learn about the EMS in Lorient	
3. Learn about the political support/situation surrounding the introduction of the respective EMS	
4. Experience the unexpected	
5.	
6.	

MEMBERS OF THE DELEGATION (Group leader first)			
Please provide a justification ¹ for anyone who is not an employee of an EMPOWER project-partner			
Name - leader	Luisa Schumann	Organisation	Development Bank of Saxony-Anhalt
Position	Communication & Administration Officer	Justification	
Name	Steffen Volk	Organisation	Ministry of Finance Saxony-Anhalt
Position	Department Head	Justification	Stakeholder
Name	Dirk Trappe	Organisation	Energy Agency Saxony-Anhalt
Position	Authorized Representative	Justification	Stakeholder
Name		Organisation	
Position		Justification	
Name		Organisation	
Position		Justification	
Name		Organisation	
Position		Justification	
Name		Organisation	
Position		Justification	

¹ "Stakeholder" is sufficient



VISITOR PARTNER 3

PARTNER NAME	Southern Regional Assembly
Contact Officer (name)	Orla Kelly
Contact email	okelly@southernassembly.ie
Contact phone	+353 (0)51 860704
Contact mobile	+353 (0)86 0439777
OBJECTIVES OF THE VISIT please state as a list: one objective per row	
1.	To explore the use of new technologies of the internet and how they can be used for energy monitoring (as is currently being done in Saint-Sulpice).
2.	To learn from our French partner's knowledge / experience of implementing an energy monitoring system and the potential benefits / difficulties. Also to find out from our partners the approximate cost involved in implementing an energy monitoring systems.
3.	To learn more about the technical architecture required & different options, including equipment / sensors used by the Municipality of Lorient for energy monitoring such as Raspberry Pi, Arduino Uno & ENEDIS. This is of particular interest as we are considering implementing a pilot energy monitoring system in one of the social housing apartments funded under our Policy Instrument (Southern & Eastern Regional Operational Programme 2014-2020).
4.	To learn more about datalogging and how the data can be represented in a user friendly way.
5.	
6.	

MEMBERS OF THE DELEGATION (Group leader first)			
Please provide a justification ^[1] for anyone who is not an employee of an EMPOWER project-partner			
Name - leader	Orla Kelly	Organisation	Southern Regional Assembly
Position	EU Projects Officer	Justification	Employee of EMPOWER project-partner
Name	Mr. Brian Cassidy	Organisation	Cork City Council
Position	Senior Executive Engineer	Justification	EMPOWER Stakeholder who is involved in the implementation of the Apartment Block Scheme in Cork City Council, which funded through the Southern & Eastern Regional Operational Programme 2014-2020 (policy instrument for which the Southern Regional Assembly is Managing Authority).
Name		Organisation	
Position		Justification	
Name		Organisation	
Position		Justification	
Name		Organisation	
Position		Justification	

[1] "Stakeholder" is sufficient



VISITOR PARTNER 4

PARTNER NAME	Partner 6 Energy Agency for Southeast Sweden
Contact Officer (name)	Lena Eckerberg
Contact email	lana.eckerberg@energikontorsydost.se
Contact phone	+46 734 408275
Contact mobile	+46 734 408275
OBJECTIVES OF THE VISIT please state as a list: one objective per row	
7.	To learn about the technical solutions implemented and in function
8.	Exchange experiences and ideas with hosting partner and the other participants
9.	To learn about the IT-solutions, and learn more about open source solutions
10.	Insight how energy and climate politics in other parts of EU – interesting to compare with the Swedish way of working with this questions
11.	
12.	

MEMBERS OF THE DELEGATION (Group leader first)			
Please provide a justification ¹ for anyone who is not an employee of an EMPOWER project-partner			
Name - leader	Roger Gunnarsson	Organisation	Energy Agency for southeast Sweden
Position	Project manager	Justification	
Name	Katrine Svensson	Organisation	Energy Agency for southeast Sweden
Position	Project advisor	Justification	
Name	Mikael Nyman	Organisation	Västerviks municipality
Position	Energy and climate advisor	Justification	stakeholder
Name		Organisation	
Position		Justification	
Name		Organisation	
Position		Justification	
Name		Organisation	
Position		Justification	
Name		Organisation	
Position		Justification	

¹ "Stakeholder" is sufficient



PROGRAMME: IN DETAIL

Please use this table to set out the major sessions

DAY 1	
Time: 10h-12h	Place: Saint Sulpice La Forêt
Description of activity (please also state purpose)	
<p>The purpose of this activity was to have a look of the implementation of a monitoring system for a little city (1500 inhabitants). A presentation of the monitoring system and the strategy of the city was made. The city of Saint Sulpice la Foret has made a 20% economy on energy and water expenditures since it began to monitor its consumptions. The monitoring system that was implemented is really interesting because it is low consumption and can work for several years on batteries.</p>	
Who involved (visitors)	Who involved (host)
Everybody except #6	Saint Sulpice's Mayor
Time: 14h-16h30	Place: Wi6labs office (Cesson Sevigné)
Description of activity (please also state purpose)	
<p>The purpose of this activity was to discover wi6labs activities and Aliotys monitoring system. On a broader level, a presentation of the possibilities of the Internet Of Things (IoT) was done. The conclusion of this afternoon's presentation was that today it is possible to do "everything" with those new technologies and that there is a full ecosystem of innovative companies that can adjust the products to a wide range of demands.</p>	
Who involved (visitors)	Who involved (host)
Everybody except #6 and #11	Wi6labs CEO
Time:	Place:
Description of activity (please also state purpose)	
Who involved (visitors)	Who involved (host)

DAY 2	
Time: 9h30-12h30 and 13h30-16h30	Place: Creafab -Ploemeur
Description of activity (please also state purpose)	
<p>A workshop on how to program raspberry pi was organised on the second day. The purpose of this activity was to improve participants's understanding on how we can monitor a data (in this case: temperature) and use free software tools in order to produce graphs which can be seen through internet tools.</p>	
Who involved (visitors)	Who involved (host)
Everybody except #11, #2 and #5	Gauthier Husson (Liberasys)
Time:	Place:
Description of activity (please also state purpose)	
Who involved (visitors)	Who involved (host)



Time:	Place:
Description of activity (please also state purpose)	
Who involved (visitors)	Who involved (host)



LOGISTICS -CHECKLIST

This table is a kind reminder list of things that you shouldn't forget!

<p>ACCOMMODATION Will the visitors stay at a hotel? Host to recommend a hotel!</p>	
<p>EQUIPMENT Please ensure that every visit results in some appropriate documentation. This could take the form of photographs and video-clips as well as the written word. Please plan ahead, and take with you the necessary cameras etc. And liaise with your host to ensure that there are no problems (does anyone object to being photographed? Who will hold the camera?)</p>	
<p>INTERPRETATION ARRANGEMENTS. As stated in the Approved Application, visitors should be selected because of their role and relevance, not because of their language ability. The principle is that the visitor should pay for the interpretation (but it may be better for the host to arrange). All partners have made provision in their budgets for this cost (it's the first item in your list of External Expertise costs in the AF Part E2)</p>	
<p>PERSONAL REQUIREMENTS The contact officer for each visitor should check about such important matters as disability , dietary requirements, religious requirements. And inform the host!</p>	
<p>PRESENTATION ARRANGEMENTS. It may be that some of the host's information could best be provided by way of specially-prepared material – report, PPT display, etc – either in the project language or the visitor language. If so these should be arranged in advance.</p>	
<p>PROTOCOL Is there anything to arrange here? For example 1, is the chief delegate the mayor (or a head of department)? Would they expect to be 'received' by their opposite number? For example 1, would you expect to exchange gifts?</p>	
<p>SOCIAL TIME Hosts: please make some suggestions! Your budget (Row 9) includes a modest amount for this purpose.</p>	
<p>TRAVEL ARRANGEMENTS On arrival: how do the visitors get from the airport to their accommodation? While there: how do they travel around? (Minibus? On public transport – can they have a pass, and a good map/guide?)</p>	

