



IRIS

Integrated and Replicable Solutions
for Co-Creation in Sustainable Cities

| | |
|---------------------------|---|
| Project Acronym: | IRIS |
| Project Full Name: | Integrated and Replicable Solutions for Co-Creation in Sustainable Cities |
| Grant Agreement: | No 774199 |
| Project Duration: | 5 years (starting 1 October 2017) |

Deliverable 7.2

Coordination of GOT integration and demonstration activities

| | |
|-----------------------------|---|
| Work Package: | WP7: Gothenburg Lighthouse City demonstration activities |
| Task: | T7.2: Coordination of Gothenburg integration and demonstration activities |
| Lead Beneficiary: | D7.2: Planning of Gothenburg integration and demonstration activities |
| Due Date: | 30 September 2018(M12) |
| Submission Date: | 23 October 2018 (M12) |
| Deliverable Status: | Final |
| Deliverable Style: | Report |
| Dissemination Level: | Public |
| File Name: | D7.2 Planning of Gothenburg integration and demonstration activities.pdf |



This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 774199



Authors

| Surname | First Name | Beneficiary |
|----------|------------|-------------|
| Pavic | Eva | JSP |
| Rydberg | Stina | JSP |
| Westling | Björn | JSP |

In case you want any additional information or you want to consult with the authors of this document, please send your inquiries to: irissmartcities@gmail.com.

Reviewers

| Surname | First Name | Beneficiary |
|---------|------------|-------------|
| Peekel | Arno | UTR |
| Lantto | Kim | GOT |

Version History

| Version | Date | Modifications made by |
|--------------|------------|--|
| 0.1 | 2018-08-26 | Eva Pavic, Stina Rydberg, Björn Westling |
| 0.2 | 2018-08-31 | Eva Pavic, Stina Rydberg, Björn Westling |
| 0.3 | 2018-09-03 | Eva Pavic, Stina Rydberg, Björn Westling |
| 0.4 | 2018-09-20 | Eva Pavic, Stina Rydberg, Björn Westling |
| 1. 0 (Final) | 2018-10-12 | Eva Pavic, Stina Rydberg, Björn Westling |

Disclaimer

This document reflects only the author's view. Responsibility for the information and views expressed therein lies entirely with the authors. The Innovation and Networks Executive Agency (INEA) and the European Commission are not responsible for any use that may be made of the information it contains.

Executive Summary

This report provides the current state of the coordination structures and procedures concerning governance, communication, monitoring and impact analysis, local risk assessment, periodic reporting, and planning of Gothenburg integration and demonstration activities aligned between Gothenburg ecosystem partners after the first 12 months of the project

The corresponding Task 7.2 aims to ensure the optimal coordination, collaboration and communication between the Gothenburg ecosystem partners and involved stakeholders, supporting optimal preparation and implementation of all foreseen Gothenburg lighthouse interventions. This task further facilitates the interface between the activities of WP7 and other WPs. This further facilitates the interface between the activities of WP7, WP1, WP2, WP3, WP4, WP8, WP9, WP10 & WP11. Activities comprise:

- Developing coordination structures and procedures concerning governance, communication, monitoring and impact analysis, local risk assessment, periodic reporting.
- Organising periodic meetings with Gothenburg lighthouse partners and involved stakeholders for regular progress follow up.
- Aligning planning and investment agendas between Gothenburg ecosystem partners, both during and after the project.
- Identifying and mitigating risks.

Success is measured in terms of participation and satisfaction (indicated by meeting attendance and evaluation at regular bilateral meetings) of the Gothenburg ecosystem partners, the IRIS project partners, and achievement of project results in conformance with the established planning and budget, including replication at the district, city, region and national level.

This Deliverable provides detailed information on the way IRIS Lighthouses Cities have planned the coordination not only into their own Ecosystem to ensure an effective implementation of demonstration activities, but also:

- to maximize the lessons learnt thanks to a cross-cultural approach that permits a EU-funded project
- to facilitate the Replication within LH cities and Follower cities.

Early on, the three LH cities identified the need for a common approach to the 567.1/2 deliverables, therefore, LH cities have cooperated to use common methodology (tables, figures and so forth) whilst keeping freedom to adapt according to local needs and context.

The report is aimed at the following audiences:

- Stakeholders, generally, in the Gothenburg ecosystem as it should provide a detailed overview of the organisation and planning of the activities that will be implemented by each of the partners;
- Participants in the specific demonstration activities as it should provide them with overview of the timeline, resources allocated. Project partners in the other lighthouse and follower cities;
- Broader public which is interested in the details of the demonstration.

This Deliverable will facilitate the common understanding of the demonstration activities and the action plan foreseen within local ecosystems as well as between LH and follower cities. It also connects to the Deliverable 7.1 which describes the demonstrators themselves in detail, whereas Deliverable 7.2 describes the organisation and procedures developed to ensure a smooth execution of the demonstration projects. This includes the overall planning and interface as well with WP1, WP3, WP8, WP9, WP11 and WP12 that is described in chapter 6.



Table of Contents

| | |
|---|----|
| Executive Summary..... | 3 |
| Table of Contents..... | 5 |
| List of Figures | 7 |
| List of Tables | 7 |
| List of Abbreviations and Acronyms | 8 |
| 1. Introduction | 9 |
| 1.1. Disclaimer..... | 9 |
| 1.2. Contributions of partners | 10 |
| Joint approach between LHC's..... | 10 |
| Contributions from local partners | 10 |
| 1.3. Relation to other activities..... | 10 |
| 1.4. Structure of the deliverable | 11 |
| 2. Methodology..... | 12 |
| 2.1 Task 7.2 | 12 |
| 2.2 Deliverables D7.1 and D7.2..... | 12 |
| 3. Coordination of LH integration and demonstration activities | 14 |
| 3.1 Developing coordination structures and procedures concerning governance | 14 |
| 3.2 Communication..... | 18 |
| 3.3 Monitoring and impact analysis..... | 20 |
| 3.4 Periodic reporting | 21 |
| 3.5 Organising periodic meetings | 22 |
| 3.5.1 GOT Ecosystem meetings..... | 22 |
| 3.5.2 GOT cross-WP workshops | 23 |
| 4. Investment Planning | 25 |
| 5. Local risk assessment..... | 27 |
| 6. Output to other work packages | 28 |

| | |
|---|----|
| 7. Conclusions | 30 |
| 8. References | 31 |
| Annex 1 - WP10 C&D Reporting - GOT..... | 32 |



List of Figures

| | |
|--|----|
| Figure 1 Deliverable development process | 13 |
| Figure 2 Transition tracks co-ordination structure | 16 |
| Figure 3 IRIS Project Group structure | 17 |
| Figure 4 IRIS KPI Hierarchy..... | 20 |

List of Tables

| | |
|--|----|
| Table 1 IRIS Transition Tracks | 14 |
| Table 2 GOT Transition Track Leaders | 15 |
| Table 3 Description of Roles in IRIS GOT organisation | 15 |
| Table 4 IRIS periodic reporting requirements..... | 21 |
| Table 5 Gothenburg Lighthouse Investment Plan (yellow areas indicate changes compared to DoA)..... | 25 |
| Table 6 Risk assessment for IRIS GOT interventions..... | 27 |

List of Abbreviations and Acronyms

| Abbreviation | Definition |
|--------------|---|
| AH | Akademiska Hus (partner) |
| BRG | Business Region Göteborg (linked third party to GOT) |
| CE | Citizen Engagement |
| CHALM | Chalmers University of Technology (partner) |
| CIM | City Information Model |
| CIP | City Innovation Platform |
| DC | Direct Current |
| DoA | Description of Action |
| EU | European Union |
| FC | Follower City |
| GE | Göteborg Energi (linked third party to GOT) |
| GOT | City of Gothenburg (partner) |
| HSB | HSB Göteborg (partner) |
| KPI | Key Performance Indicator |
| LH | Lighthouse City |
| MaaS | Mobility as a Service |
| PCM | Phase Changing Material |
| PET | Personal Energy Threshold |
| RB | Riksbyggen (partner) |
| SP | Formerly SP, now Research Institutes of Sweden, Partner |
| TRIV | Trivector (partner) |
| TT | Transition Track |
| WP | Work Package |

1. Introduction

This report provides the current state of the coordination structures and procedures concerning governance, communication, monitoring and impact analysis, local risk assessment, periodic reporting, and planning of Gothenburg integration and demonstration activities aligned between Gothenburg ecosystem partners after the first 12 months of the project. Scope, objectives and expected impact

The aim of the Deliverable is to ensure the optimal coordination, collaboration and communication between the Gothenburg ecosystem partners and involved stakeholders, supporting optimal preparation and implementation of all foreseen Gothenburg lighthouse interventions. The Deliverable provides a detailed and up-dated (at M12) description of the management structures and processes of the demonstration activities foreseen in Gothenburg.

This will facilitate the identification of interaction between demonstrator and activities in other WPs. It will also be used as a referral up-date for the later coordination of activities. Planned budget and investment forecasts are included in the content.

Finally, this will facilitate LHs and Follower Cities the identification of demonstrators that are of interest for replication.

The Deliverable is intended for the following audiences:

- Stakeholders, generally, in the Gothenburg ecosystem as it should provide a detailed overview of the organisation and planning of the activities that will be implemented by each of the partners;
- Participants in the specific demonstration activities as it should provide them with overview of the timeline, resources allocated. Project partners in the other lighthouse and follower cities;
- Broader public which is interested in the details of the demonstration.
- This Deliverable provides detailed information on the way IRIS Lighthouse City Gothenburg has planned the coordination not only into its own ecosystem to ensure an effective implementation of demonstration activities, but also to maximize the lessons learnt thanks to a cross-cultural approach that befits a EU-funded project
- to facilitate the Replication within LH cities and Follower cities

1.1. Disclaimer

The information in this report represents the best estimates and knowledge obtained at the time of writing. Due to the innovative and exploratory nature of many of the activities planned, changes and modifications to the information written in this report may occur due to circumstances not foreseen at the time of writing.

1.2. Contributions of partners

Joint approach between LHC's

The 3 LH (Utrecht, Nice and Gothenburg) have identified early in the project that they will deliver a common set of Deliverables: D5.1 and D5.2 for Utrecht, D6.1 and D6.2 for Nice, D7.1 and D7.2 for Gothenburg.

From the project kick off, the recurrent identification of a need for a joint approach led **D567.1/D567.2** lead editors to conduct a dedicated Working session “Session 1B: Lighthouse Cities site exchange” that was held on this occasion of the Consortium Plenary Board in Goteborg (M6) – 27-29th of March 2018.

One conclusion of this Working session was to set-up a “cooperation structure/LH Task Force” between LH” that aims at facilitating benchmarking and mutual support in the Deliverable composition process.

It has been decided that this “cooperation structure/LH Task Force” will learn by doing, and therefore will adopt a joint approach focusing at first stage for both **D567.1** and **D567.2** and aiming at lasting during the whole project lifecycle.

Final conclusions of the workshop were that despite the need for a joint approach, LH cities keep having their own specificity: local context, geographical features, and national financial & legal regulations. As a consequence, when appropriate, some chapters will integrate focus parts dedicated to each LH.

All in all, the 3 lead editors together with Utrecht as coordinator and the Quality Assurance Manager have communicated in order to deliver the most harmonized set of chapters and sections possible for D5.2, D6.2 and D7.2

Contributions from local partners

At the time a specifying their local action plan, local partners in Gothenburg have contributed as follows:

- Riksbyggen: Provided input for Transition Track #1, Transition Track #2
- Akademiska Hus: Provided input for Transition Track #2
- Trivector: Provided input for Transition Track #3
- HSB: Provided input for Transition Track #5
- Metry: Provided input for Transition Track #4
- Göteborgs Stad: Provided input for Transition Track #4, Transition Track #5
- Johanneberg Science Park: Overall coordination, producing draft text and match with inputs from WP 1, review 90% version of the report.

1.3. Relation to other activities

D7.2 is directly connected to all WP7 tasks (T7.1 as an input, from T7.3 to T7.7 as T7.2 is dedicated to coordinate these tasks), but also related to horizontal Work Packages, such as WP1, WP3, WP4, WP, 8 WP9 and WP11 and recurrently to WP10 dedicated to communication activities. The tasks within WP7 are described in detail within the D7.1, that is, baseline, ambitions, barriers and drivers for the specific

tasks contained in T7.3-T7.7 within the five Transition Tracks and their demonstration planning during the project timeline.

Input from D7.1

The deliverables D7.1 and D7.2 cover different aspects of the description of planned interventions in the Gothenburg ecosystem, where D7.1 deals with baseline, ambitions and a detailed description of planned activities. D7.2 mainly describes the management structures and processes associated with the demonstrators. Since the two Deliverables are two sides of the same coin, there is significant correspondence in both directions between the two of them. For instance, the work carried out in D7.1 regarding barriers and drivers has resulted in a deeper understanding of the challenges and demands that need to be handled by the management structure in D7.2. Also, The Barriers and Drivers have provided input to the Risk assessment made in D7.2.

1.4. Structure of the deliverable

- Chapter 2 presents the methodology on which D7.2 is based, highlighting specifically the joint approach adopted that aims at lasting for the whole project and fostering exchange of good practices amongst LH cities.
- Chapter 3 reports on the organisation of the Gotheburg LH demonstration activities as well as horizontal activities such as “monitoring and evaluation” (WP9), “communication” (WP10), events and workshops organized.
- Chapter 4 provides a description of the investment plans associated with the demonstration activities
- Chapter 5 deals with risk management
- Chapter 6 presents the interdependencies amongst Work Packages and Tasks.
- Chapter 7 contains conclusions that can be drawn from the work presented in the report
- Chapter 8 lists the references used in the report

2. Methodology

2.1 Task 7.2

According to the DoA, deliverable D7.2 is a report “providing the coordination structures and procedures concerning governance, communication, monitoring and impact analysis, local risk assessment, periodic reporting, and planning of Gothenburg integration and demonstration activities aligned between Gothenburg IRIS ecosystem partners”.

The work undertaken in T7.2 in the first year entails setting up current coordination structures and procedures that will ensure an effective implementation of the integrated solutions. Therefore, the following key activities have been undertaken:

- Setup of coordination structures aligned with the TTs and horizontal WPs of IRIS
- Defining roles and responsibilities of LH site manager, WP7 lead, TT and task leaders
- Coordinate a regular periodic meeting schedule with a coordination team (consisting of LH site manager, WP7 lead, TT/task-leaders) and the Gothenburg project team (consisting of all involved Gothenburg IRIS ecosystem partners)
- Coordination of communication at Gothenburg ecosystem level through the setup of a Local News Desk and cooperation with WP10 lead ESCI
- Cooperation with WP1- and WP9-partners to set up a process to select Key Performance Indicators as the basis for a strategy for monitoring and impact analysis
- Setup of a joint approach with the 3 LH cities aimed at lasting the duration of the IRIS project
- Reporting to the European Commission, the project coordinator and the Utrecht ecosystem on progress in the IRIS project
- Verification and updating of the investment planning submitted in the application phase
- Aligning project planning and investments with activities and investments outside the IRIS project by Identification of local risks and mitigation measures, based upon the work reported in D5.1 identifying the barriers and drivers per integrated solution.

2.2 Deliverables D7.1 and D7.2

Deliverable D7.1 and D7.2 together form a reference document of the demonstration activities in Gothenburg. From this reference point the deployment of activities will be carried out, providing all involved international IRIS project partners, reviewers and readers (public document) a good understanding of the ambitions of the Gothenburg demonstration and how it is organised.

The Joint approach amongst LHs (see section 1.2.1) led LH cities to define a common principal structure, in order to:

- ensure a full completion of commitments listed in the DoA,

- fully benefit from this joint approach by facilitating the sharing of good practices amongst LH cities,
- provide harmony amongst the 3 LH approaches that will ease both internal and external communication.

This Deliverable provides detailed information on the way IRIS Lighthouse City Gothenburg has planned the coordination not only into its own ecosystem to ensure an effective implementation of demonstration activities, but also:

- to maximize the lessons learnt thanks to a cross-cultural approach that befits a EU-funded project
- to facilitate the replication of solutions within LH cities and Follower Cities

Deliverables D7.1 and D7.2 have been based on a common structure defined jointly by the three LH's. This joint approach aims at producing outputs from the three cities that are comparable, recognizable and understandable for internal and external audiences.

In the Gothenburg ecosystem, the process of gathering information and composing the Deliverable has been carried out in close collaboration with Transition Track managers who have supplied the initial input based on a template supplied by JSP. JSP has then consolidated the material and developed the Deliverable through a series of iterations with the partners concerned (See Figure 1). Internal and external reviewers have provided comments and suggestions for improvement that have been used by the authors to finalise the Deliverable.

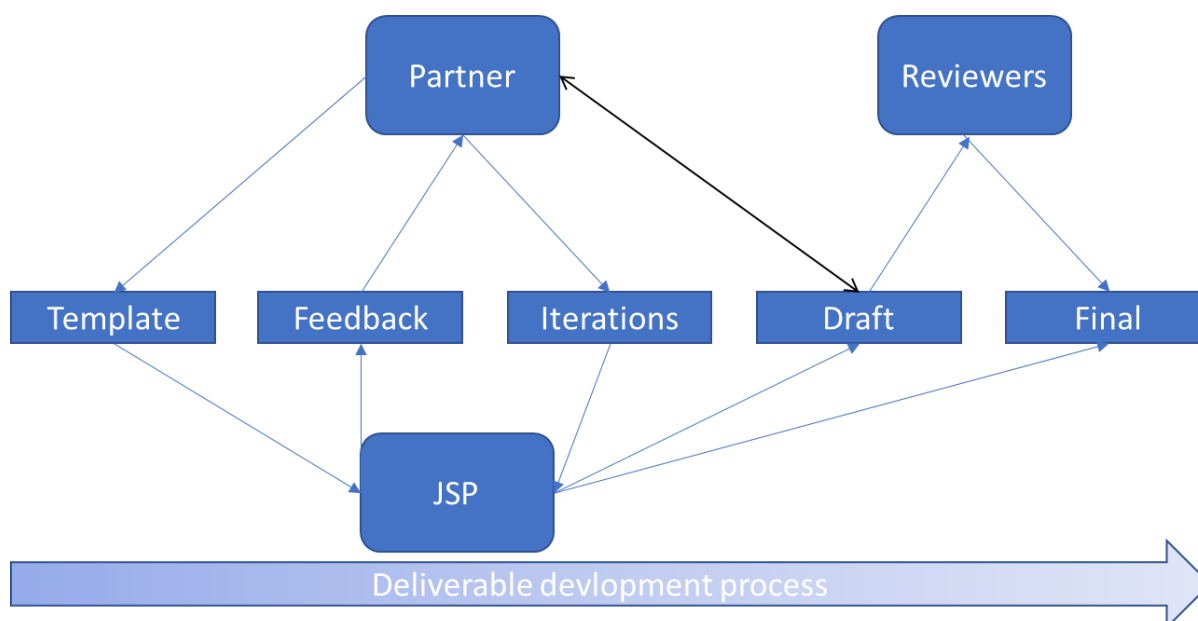


Figure 1 Deliverable development process

3. Coordination of LH integration and demonstration activities

3.1 Developing coordination structures and procedures concerning governance

The structure of IRIS project is based on 5 Transition Tracks (TT) (see Table 1).

Table 1 IRIS Transition Tracks

| Transition Track #1 | Transition Track #2 | Transition Track #3 | Transition Track #4 | Transition Track #5 |
|--|--|-------------------------|--|------------------------------------|
| Smart Renewables and Closed-loop Energy positive districts | Smart Energy Management and Storage for Grid Flexibility | Smart e-Mobility Sector | City Innovation Platform (CIP) Use Cases | Citizen Engagement and Co-creation |

For each one of these TT, LH cities have assigned a partner per “Transition Track”, who provides a technical approach with concerned stakeholders and oversees activities during the 3 phases of the project, from documentation of Pre-pilot, through Demonstration activities, up to Replication activities.

In Gothenburg, project partners are assigned as Task Leaders and Transition Track Leaders. Responsibilities emerge for the Gothenburg ecosystem according to Table 2.

Johanneberg Science Park leads the activities in Gothenburg as Site Manager and WP7 Lead. JSP has set up a Project Office to manage the day-to-day operations of the project. Financial matters are handled by a separate office jointly with JSP. See further details in Table 2.



Table 2 GOT Transition Track Leaders

| List of roles and responsible partners for Gothenburg demonstration | | |
|---|--------------------------------|---|
| Assignment | Partner | Assigned Person |
| LH City Site Manager (LHCSM) | Johanneberg Science Park (JSP) | Eva Pavić |
| WP5 Lead | Johanneberg Science Park (JSP) | Björn Westling |
| TT#1 – 7.3 Task Lead | Riksbyggen (RB) | Peter Selberg |
| TT#2 – Task Lead 7.4 | Akademiska Hus (AH) | Per Löveryd |
| TT#3 – Task Lead 7.5 | Trivector (TRIV) | Emma Lund |
| TT#4 – Task Lead 7.6 | City of Gothenburg (GOT) | Camilla Nordström (CIM)/ Håkan Axelsson (Energy Cloud) |
| TT#5 – Task Lead 7.7 | City of Gothenburg (GOT) | Arvid Törnqvist |

The respective roles of GOT LHCSM, WP7 Leader and Transition Track leaders are described in Table 3.

Table 3 Description of Roles in IRIS GOT organisation

| Area | LHCSM Duties | WP7 Lead Duties | TT Lead Duties |
|-------------------|--|--|--|
| Management | Design an appropriate work plan for efficient execution of IRIS activities in Gothenburg, at an overall level. | Design an appropriate work plan for efficient work in WP7. | Design an appropriate work plan for efficient work in the current TT/Task. |
| | Chair meetings with GOT ecosystem partners (cross WP) | Organise and chair WP7 coordination meetings | |
| | Coordinate interactions between GOT and Project Coordinator (PC), other LH cities and FC | Follow-up and quality control of the work performed within WP7. | Follow-up and quality control of the work performed in the current TT/Task. |
| | | Coordinate the technical work within WP7, in line with the agreed work plan. | Coordinate the technical work within the TT/Task and ensure proper knowledge transfer within the same. |
| | Refine and update work plan on request | Refine and update work plan on request | Refine and update the work plan on request |



| | | | |
|--|---|---|---|
| | from PC proposals and decisions. | from QRM proposals and decisions. | from WP7 Lead. |
| Reporting | Coordinate structures of deliverables and reports | Plan, coordinate and harmonise content of deliverables within WP7 | Contribute to deliverables |
| | Report overall progress to the Project Coordinator in regular meetings. | Contribute to final report | Contribute to final specifications for reporting. |
| | | Report technical progress to the PC. | |
| Internal and external communication | Be official representative in relevant situations | Be official communication interface with other WPs. | Communicate externally and internally on technical progress with respective TT. |

The coordination structure for each Transition Track is organised according to Fig. 2. Coordination between Transition Tracks are handled by the IRIS Project Group (Fig. 3) which is formed by all 9 Gothenburg ecosystem partners and led by JSP.

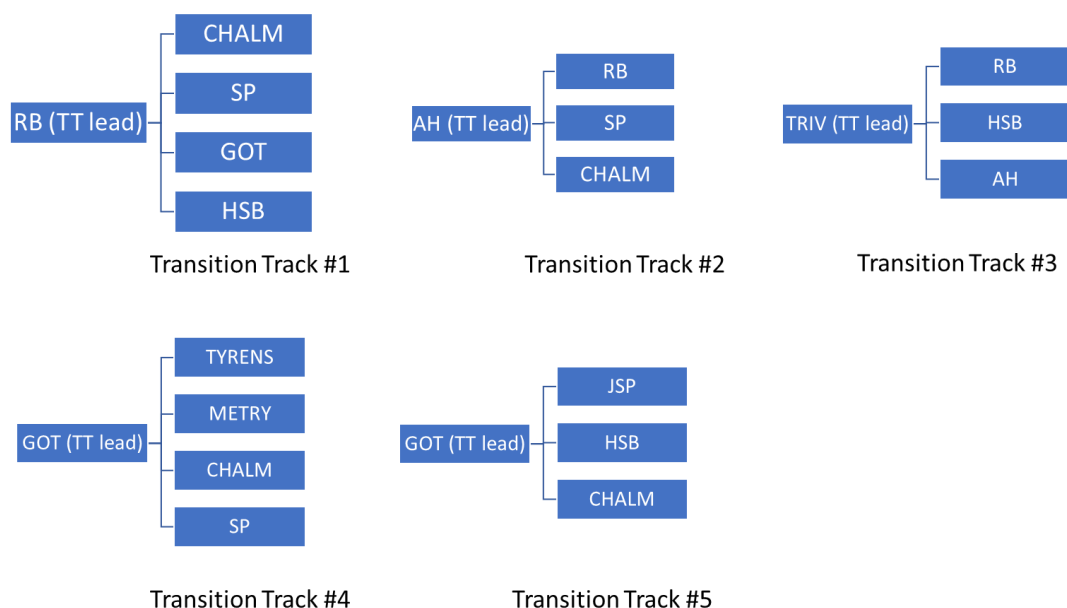


Figure 2 Transition tracks co-ordination structure

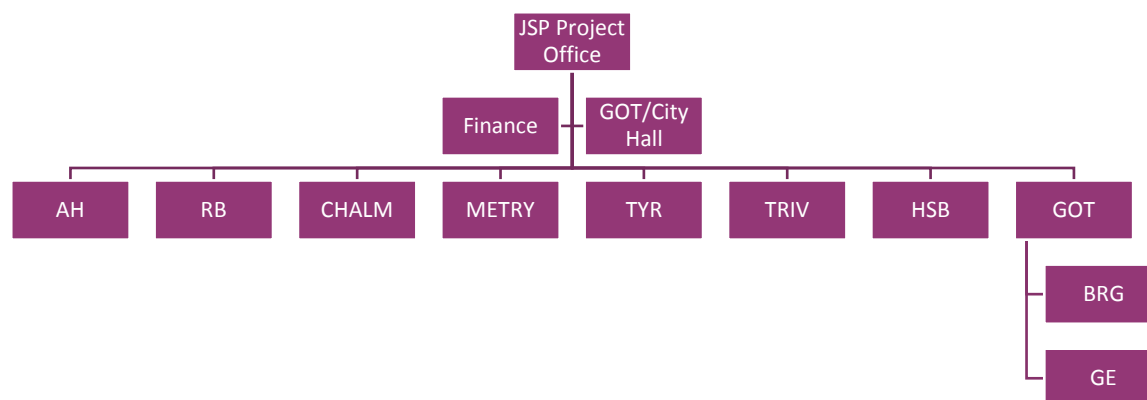


Figure 3 IRIS Project Group structure

The City of Gothenburg has a major part in WP7 activities, and to improve the collaboration and operative effectiveness of the City's participation, JSP has assumed the role of co-ordinator of the four separate municipal offices (Traffic, City Planning, Consumer & Citizen Services and Internal Services) and the two municipal companies (BRG and GE) engaged in IRIS. In order to ensure the city management's and government's continued commitment, JSP holds monthly follow-up meetings with representatives of the City Hall (city management).

3.2 Communication

In IRIS Light House City of Gothenburg, JSP works with communication in several interlaced groups with strong and clear focus on cooperation.

1. Johanneberg Science Park – Site managers, WP leaders and head of Local News Desk Gothenburg.

Johanneberg Science Park has a team of 5 communications co-workers with competence within PR, media contacts, film production, graphic design, English text writing and communication planning. The team has almost 10 years' experience of working with complex projects in the science park environment and has the skills and ability to make different project partners work in unison.

The work is done in close collaboration with WP 10 lead ESCI, and CERTH for material, web site etc.

The local activity plan spans all of the science park – what is happening, what and when to issue messages, etc in conjunction with other projects in the Science Park, for instance IRIS partner Riksbyggen that will take over used bus batteries from ElectriCity, the on-going flagship project with Volvo (and others) with the electric bus service that has received a lot of attention.

The local team at the Science Park gather statistics in several different ways, examples include:

- a. Visitors and clicks on web page
<https://www.johannebergsciencepark.com/en/node/17299>
- b. Counting Twitter statistics via Twitter itself.
- c. Search terms for IRIS, Smart cities etc in Google Analytics.
- d. Registering news from and about IRIS via the business intelligence tool Meltwater,
- e. All statistics are sent to WP10 lead ESCI on a regular basis.

2. IRIS Project Team Gothenburg

This is where the work within IRIS and the different WPs is conducted and the communications officer in IRIS Gothenburg attends to the meetings regularly. There is a recurring communications item on the agenda where partners are informed about latest communication activities and upcoming events, outbound missions, incoming study visits and planning for the nearest future. The main aims of these meetings include:

1. Exchanging information of activities happening in the different organizations and what is interesting from a communications angle.
2. Informing the project partners what is happening in the communication plan, what events are to be attended, who is going where, finding the right person representing IRIS in different situations.
3. Pinpointing different contact points in all the organizations where IRIS could be mentioned and presented.

3. IRIS Local News Desk Gothenburg – the director and the team

There are nine IRIS partners in Gothenburg, and an effective way of working together has been established. Johanneberg Science Park is leading and directing the practical work. The partners have regular meetings IRL and digital via Skype and other platforms.



Tasks of director of the local news desk include:

1. Be the bridge between IRIS communications and local communications
2. Manage / report deliveries following the project's guideline to project management and funding partner/s.
3. Ensure dialogue and cross-talk regarding communication activities and reporting between project management / communication manager / communication group within the project and on JSP.
4. Uphold correct communication format - what logos, tags, etc must be constantly present
5. Oversee common boilers / pictures
6. Develop Communication Strategy Activity Plan Policy – send in to ESCI
7. Develop Content Structure and Channel Map
8. Avoid collisions in communication efforts
9. Capture what is communicated (follow-up)
10. Send out an Info email at least once a month

Tasks of local news desk team include:

1. Be the bridge between local IRIS communications and partner organizations.
2. Attend to One to one-meetings for introduction in the project (Dialogue workshop to map up the parties' expectations, contributions and possibilities).
3. Support their home organizations with adequate communications support and work needed to be done
4. Map up their own Channel Map and share with director
5. Share news to director for forwarding to EU etc.
6. Receive news from director and share and spread in own network over chosen channels.

A complete listing of communication activities can be found in Annex 1

3.3 Monitoring and impact analysis

Periodic monitoring of progress, aberrations and risks is made at every project meeting. In absence of the conclusive list of KPI's being elaborated in WP9, KPI's presented in the DoA (Work Package description and Table 2.1a of the DoA) have been used as preliminary indicators. The principle of a hierarchical structure of indicators introduced by WP9 leader RISE, whereby solution level KPI's are grouped together to Transition Track level KPI's and so on until the top-level IRIS KPI's will be adopted by the Gothenburg demonstrators (see Fig. 4)

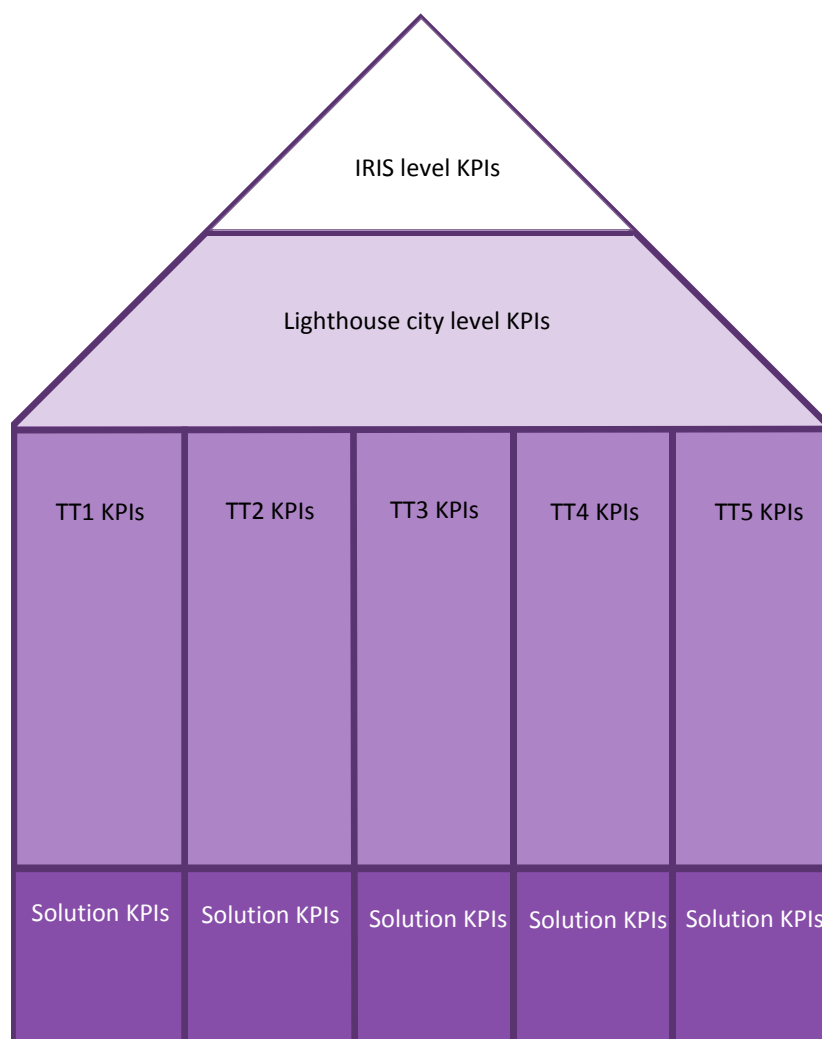


Figure 4 IRIS KPI Hierarchy

The work previously carried out in WP1 resulted in deliverable D1.1 that was submitted in M9 (June 2018) and was aimed at determining the appropriate list of KPI's for the technology solutions proposed in IRIS. This was achieved by either gathering existing indicators in the project proposal that fit well to the requirements of the specific solutions, and/or introducing new ones, in order to assess more accurately the success level of each technology or methodology tested by the demonstrators.



The definition of KPI's is conducted in accordance with other European projects leading the way towards smarter European cities. Thus, most of the selected KPIs were developed within the SCIS (Ref. 2) and CITYkeys (Ref. 3) initiatives, which have created lists of KPIs for the evaluation of systems and technologies demonstrated in smart city projects.

The basic axis of the IRIS KPI framework aligns with the IRIS domains, namely technical, economic, environmental, social, ICT and legal. These domains (or dimensions) are complementing each other to set the holistic performance framework.

3.4 Periodic reporting

LH's are tasked to report on the progress of the project as part of H2020 programme procedures.

Additionally, internal progress reports have been organised to ensure a good control of financial and administrative issues within the consortium.

Appointed Task Leaders contribute and support the documentation of these progress reports (see Table 4).

Table 4 IRIS periodic reporting requirements

| Nr of periodic reporting | Description | Month of delivery |
|--------------------------|---|--------------------------------------|
| 1 | Intermediate progress report initiated by IRIS Project Management UTR | M6 (and every six months afterwards) |
| 2 | Deliverable D7.1 | M12 |
| 3 | Deliverable D7.2 | M12 |
| 4 | Progress report after reporting period 1 | M12 |
| 5 | Deliverable D7.3/4/5/6/7 | M24 |
| 6 | Progress report after reporting period 2 | M30 |
| 7 | Progress report after reporting period 3 | M42 |
| 8 | Deliverable D7.8 | M48 |
| 9 | Deliverable D7.9 | M60 |
| 10 | Final progress report at end of project | M60 |

3.5 Organising periodic meetings

Two different kinds of periodic meetings are organised:

- Local Ecosystem meetings are organized in order to prepare and coordinate the demonstration activities.
- Cross-WP workshops are organized with horizontal partners in order to take into account output from others running WPs.

3.5.1 GOT Ecosystem meetings

In Gothenburg, periodic meetings have been organised in different formats depending on the current phase of the project.

Introduction phase (M1-M6)

- Bi-weekly project meetings (all Task and Sub-Task Leaders mandatory), recurring agenda including general information, monitoring of all ongoing project activities, highlighting risks and problems, aberrations from plan, etc.
- Bi-weekly “Open house” – time slot where all partners are welcome to bring up questions or problems
- Bilateral partner meetings with every partner to explain duties and progress, challenges and successes in the project as well as financial and investment questions.

Planning phase (M6-M12)

- Bi-weekly project meetings (all Task and Sub-Task Leaders mandatory), recurring agenda including general information, monitoring of all ongoing project activities, highlighting risks and problems, aberrations from plan, etc
- Bi-weekly bilateral meeting with partner GOT to highlight specific issues in the City ecosystem.

Implementation phase (M13-)

- Monthly project meetings (all Task and Sub-Task Leaders mandatory), recurring agenda including general information, monitoring of all ongoing project activities, highlighting risks and problems, aberrations from plan, etc
- Monthly bilateral meeting with partner GOT to highlight specific issues in the City ecosystem.
- Regular (interval according to need) bilateral meetings with all partners to monitor and highlight issues specific for every demonstration activity

Co-ordination meetings with Gothenburg City Hall (M3-)

- Co-ordination and follow-up meetings with representatives of Gothenburg’s City Management are carried out monthly. These meetings address project status, aberrations from plan and other issues connected with Gothenburg City offices participating in the Project. Within these meetings planning also takes place for specific representation (WP2 EU Wide cooperation).

- Follow up meetings and information by mail or phone, with Gothenburg International Department regarding IRIS project for international guests, requests for presentations and guiding in the LH district.
- Follow up meetings and planning for activities with Gothenburg's Brussels Office.

3.5.2 GOT cross-WP workshops

Cross-WP workshops have been arranged to facilitate understanding of horizontal activities and overall project objectives. To date, there have been three such workshops in Gothenburg.

Introductory WP1/WP3/WP7 workshop, 29 Nov 2017

This workshop was a full-day event addressing all Gothenburg ecosystem partners including horizontal partner IMCG. The focus was on introducing the concept of pre-pilots, laying foundations for developing ambitions, barriers and drivers for demonstrations as well as understanding how this connects to the business model concept (WP3).

IRIS Consortium Plenary Board, 27-29 March 2018

JSP arranged the second CPB in IRIS in Gothenburg in March. It was attended by around 80 delegates and included several workshops spanning multiple Work Packages. Several politicians from the City of Gothenburg to meet the delegates and share their views of Gothenburg's challenges and more.

Topics included:

- City Innovation Platform (WP4)
- Lighthouse Cities Site Exchange (WP5/6/7)
- Replication and Business Models (WP3/WP8)
- Communication and Citizen Engagement (WP 5/6/7/WP10)
- Transition Strategy (WP1)
- KPI Framework and Monitoring (WP1/WP9)
- Breakout sessions for TT1,2,3,4,5

Citizen engagement workshop, 14 May 2018

This full-day workshop was arranged by Utrecht partner HKU together with RISE and JSP. The purpose with the workshop was Citizen Engagement Planning for deliverable D1.7 and Citizen Engagement activities in WP7. The objective of the workshop was to gather information to summarise existing approaches for citizen engagement and co-creation for the different solutions in WP7. The workshop also highlighted the importance of a contextual framework to express IRIS partners' activities in a shared language, which will generate a positive collaboration regarding Citizen Engagement, co-creation processes and tools.

In the workshop, attendees were trained to use the "ladder model" for citizen engagement. The agenda also consisted of an introduction to the SCOPE model for identifying potential lack of understanding of end users demands, and a scenario exercise regarding GOT solution "Min Stad". The scenario exercise gave the participants a wider understanding of the importance of a common frame of reference,

terminology and definitions to be able to collaborate and communicate effectively within the related activities. The workshop was followed up by e-mail contact for mapping relevant KPI's for Citizen Engagement, stakeholders and identifying risks.



4. Investment Planning

This section is meant to put the investment planning into perspective regarding the demonstration activities planning. When there are no significant deviations, the original planning as foreseen is documented. Where significant changes exist, the table has been updated (see Table 5).

A challenge with the investments foreseen is that they are not under the immediate control of the IRIS partners but belong to either the large construction projects housing some of the demonstrators or consist of the large municipal investments in infrastructure and digitalisation. To the best of our knowledge, these investment plans are still valid, as many of them have already been made, and most of the others have already reserved funds for the investment.

Investments and investment planning are regularly followed up in the IRIS Gothenburg Project Meetings.

Table 5 Gothenburg Lighthouse Investment Plan (yellow areas indicate changes compared to DoA)

| GOTHENBURG LIGHTHOUSE INVESTMENT PLAN Eligible + non eligible investments | Investment cost | Cost recovery | Cost recovery allocation | | | | | | |
|---|--------------------|------------------|--------------------------|-----------------|----------------|---------------------|--------|----------------|---------|
| | | | Hor 2020 | Public partners | | Industrial partners | | Other | |
| | | | | GOT | AH | RB | HSB | Citizens | Other |
| TOTAL | | | 1 860 000 | | 734 000 | 40 783 000 | | 318 000 | |
| % | | | 4% | | 2% | 93% | | 1% | |
| TOTAL | 46 612 000 | 43 695 000 | 1 860 000 | 0 | 734 000 | 40 728 000 | 55 000 | 0 | 318 000 |
| Tr1 Smart RES and NZE district | 41 190 000 | 41 190 000 | 315 000 | 0 | 0 | 40 675 000 | 35 000 | 0 | 165 000 |
| Plus-energy sub-district total | 40 000 000 | 40 000 000 | | | | 40 000 000 | 0 | 0 | |
| 1. 200 kWh 2:nd life battery storage | 250 000 | 250 000 | | | | 150 000 | 0 | 0 | 100 000 |
| 2-3. Heating/Cooling from geo energy | 150 000 | 150 000 | 84 000 | | | 66 000 | 0 | 0 | 0 |
| 4. Local energy storages | 300 000 | 300 000 | 76 000 | | | 224 000 | 0 | 0 | 0 |
| 5. Seasonal energy trading | 340 000 | 340 000 | 55 000 | | | 235 000 | 0 | 0 | 50 000 |
| 6. Advanced Energy Management System | 100 000 | 100 000 | 100 000 | | | | 0 | 0 | 0 |
| 7. Building Integrated Photovoltaics | 50 000 | 50 000 | | | | 0 | 35 000 | 0 | 15 000 |
| Tr2 EMS and Storage for Flexibility | 1 035 000 | 1 068 000 | 330 000 | 0 | 734 000 | 4 000 | 0 | 0 | 0 |
| 1. PV and battery integration | 75 000 | 63 000 | 60 000 | | 0 | 3 000 | 0 | 0 | 0 |
| 2. 350 V DC building microgrid | 560 000 | 584 000 | 121 000 | | 463 000 | 0 | | | |
| 3. Low temperature DH 45/30 system | | 21 000 | 20 000 | | | 1 000 | 0 | 0 | 0 |
| 4. PCM pilot facility | 400 000 | 400 000 | 129 000 | 0 | 271 000 | 0 | 0 | 0 | 0 |
| Tr3 Smart E-mobility services | 424 000 | 474 000 | 425 000 | 0 | 0 | 49 000 | 0 | 0 | 0 |
| Investments in e-vehicles and mobility infrastructure | 340 000 | 340 000 | | | | 340 000 | | | |
| 1. EC2B new mobility concept | 424 000 | 474 000 | 425 000 | 0 | 0 | 49 000 | | 0 | 0 |
| Tr4 City Info Platform & Services | 3 555 000 | 555 000 | 483 000 | 0 | 0 | 0 | 0 | 0 | 72 000 |
| City investment in digitalization | 3 000 000 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 1. CIM City Information Model | 392 000 | 392 000 | 350 000 | | | | | | 42 000 |
| 2. Energy Cloud | 163 000 | 163 000 | 133 000 | 0 | 0 | 0 | 0 | 0 | 30 000 |
| Tr5 Citizen Engagement | 408 000 | 408 000 | 307 000 | 0 | 0 | 0 | 20 000 | 0 | 81 000 |
| HSB Living Lab research fund | 1 000 000 | | | | | | 10 000 | | 90 000 |
| 1. Spatial planning design contests | 105 000 | 105 000 | 105 000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2. Citizensourcing platform "Min Stad" | 65 000 | 65 000 | 65 000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. BIM based 3D Virtual Reality | 88 000 | 88 000 | 62 000 | 0 | 0 | 0 | 5 000 | 0 | 21 000 |
| 4. Personal Energy Threshold (PET), | 150 000 | 150 000 | 75 000 | | | | 15 000 | | 60 000 |

Note: Up-dated planning of the demonstration activities in the five Transition Tracks, including the alignment between the five TTs and external stakeholders' activities in the area can be found in Deliverable 7.1 (Ref. 1).

Comments to the investment Table

TT#1 Smart Renewables and Positive Energy District

Several of the investments listed for this Transition Track have already been made or are tied in with larger investments in the construction projects that they form part of.

Changes compared to DoA: Changes have been made in cost distribution, overall investment remains the same.

TT#2 EMS and Storage for Flexibility

Several of the investments listed for this Transition Track have already been made or are tied in with larger investments in the construction projects that they form part of.

Changes compared to DoA: Changes have been made in cost distribution, overall investment remains the same.

TT#3 Smart e-mobility

Changes compared to DoA: None

TT#4 City Info Platform & Services

City investment in digitalization

- IT expenditures for the city of Gothenburg for one (1) year are 700 million sek (62.823.000,00 EUR), i.e. external and internal service.
- Companies within the city and boards make their own initiatives that are not in that framework and we are having difficulty reviewing them.

Changes compared to DoA: None

TT#5 Citizen Engagement

In relation to budget, it should be mentioned that the development of SCH, Smart City Hub, which is part of the development of Min Stad, is a far larger undertaking than what is within the framework of IRIS. Development costs are likely to be more than 500 000 EUR compared with the scant 100 000 EUR that the City Building Office (according to the budget) has through IRIS. It is therefore hard to announce what the final result will be at the end of the five-year period. The extent of the work will be dependent on the amount of resources to be allocated from the city budget. The targets and ambitions presented in the DoA should however not be affected by this. In this aspect, IRIS is seen as a way to explore and to some extent develop a model that can be used for civil dialogue forthwith.

Changes compared to DoA: Changes have been made in cost distribution, overall investment remains the same.



5. Local risk assessment

Below, the most important risks for the respective Transition Track have been listed (see Table 6). For a complete listing of risks, see Ref. 1

Table 6 Risk assessment for IRIS GOT interventions

| Integrated solution | Identified risks | Proposed mitigation measures |
|-----------------------------|---|--|
| TT#1, Riksbyggen | The full financing of the demonstrator “Seasonal Energy Trading” is not yet covered for. | Task leader is looking for external financing from various financing instruments. |
| TT#1, Riksbyggen | Agreement with the second property owner involved in the demonstrator “Seasonal Energy Trading” might not be possible | Proactive work on a strategic level |
| TT#2, PCM cooling storage | Due to cost increases, Phase Changing Material (PCM) cooling capacity may not reach the prescribed value | Look for additional funding for a second-stage installation to reach specified capacity. |
| TT#3, EC2B MaaS demo | End users not interested in EC2B | Close dialogue with future users before launch of service |
| TT#3, EC2B MaaS demo | Difficulties to find a working business model | Focus on the life of EC2B post-IRIS, where the service should be viable for replication on commercial terms |
| TT#4, CIM | IRIS budget will not cover the high ambitions set | Additional external funding must be identified. Urban Traffic Administration has identified this risk and will be continuing the search for new funding opportunities. |
| TT#4, CIM | The desired personnel resources with the right competence might not have time to participate in the project. | Secure correct personnel in advance. Identify alternatives, this may include tendering consultants. |
| TT#5, Minecraft competition | Not enough contestants | Establish a wide network for marketing the competition and recruiting contestants |
| TT#5, PET app | Low user acceptance | Prioritise educating users, helping them realise how the app can help them save energy and money |

6. Output to other work packages

Being a coordinating work package, WP7 has interdependencies with several other WPs.

Interdependencies with WP1

Deliverables D1.2 to D1.6 recently provided preliminary planning of the demonstration and activities of each Transition Track based on information provided by Ecosystems. The specifications of the solutions for WP1 that will be demonstrated in WP7 have been in focus for getting the most out of possible integration synergies and replicability, for identification and exchange of know-how. These valuable documents define each solution's requirements/specifications (for example geographical, technical, operational, legislative, regulatory framework, business) before the solutions are being deployed and demonstrated in the selected LH cities and potentially replicated in the FCs. In order to avoid duplication, the present D7.2 deliverable offers in a complementary manner additional information: governance, local context, planning and investment.

Interdependencies with WP3

So far in the project, there has been little interaction with WP3, albeit business models are a central theme when looking at all the demonstrators in Gothenburg, particularly when weighing the risks, barriers and drivers facing them as well as their replicability. It is expected that increased interaction with WP3 will take place as the demonstrators start to materialise. Initially, a full-day event was held in PM 2, addressing all Gothenburg ecosystem partners including horizontal partner IMCG. The focus was on introducing the concept of pre-pilots, laying foundations for developing ambitions, barriers and drivers for demonstrations as well as understanding how this connects to the business model concept (WP3).

Interdependencies with WP4

According to DoA, WP4 aims at “offering an open, reusable and reliable platform for sharing data, speeding-up innovation, standardisation and implementation of smart application.” Mainly, this is to be manifested by the CIP (City Information Platform).

In the context of Gothenburg, the CIP is a very important feature of the project since it will be acting as an envelope for and interface to the CIM (City Information Model) being developed in WP7. Through the CIP, users and third-party developers will have the opportunity to access, visualise and use the data stored and organised in the CIM. This also reflects on how the work should be organised to facilitate the close interaction and collaboration between WP4 and WP7. Within the demonstration of the Energy Cloud there will be development of services, for instance applications for stakeholders such as property owners, commercial actors and researchers.

Interdependencies with WP9

The detailed descriptions of the organisation and process of the Gothenburg LH interventions developed in this deliverable will provide input to the assessment to develop a coherent monitoring program. The set of KPIs and target numbers will be designed based on the information in this Deliverable and will be

developed in cooperation with the LHS in order to evaluate the effectiveness and impact of the cities proposed integrated solutions at different time horizons.

Interdependencies with WP10

WP10 in relation to WP7 see chapter 3.2 for specification and description.

Interdependencies with WP11

Organisation structure and procedures described in this Deliverable have been set up in accordance with the principles outlined in WP 11 Project Management manifested by weekly contacts for different activities within the project procurement regarding several tasks related to different WPs are being taken by e-mail, phone calls or virtual meetings. The second consortium meeting were as well held in Gothenburg spring 2018 with the responsibilities together with the WP11 Project Manager of IRIS, several task leaders and local partners for preparing good conditions and preplanning for a constructive and valuable meeting. LCSM and WP lead are members of the Steering Committee.

Interdependencies with WP12

The objective with the Ethics Board that will be operating within WP12, is the establishment of the procurement for ethical, legal and privacy issue for the technologies developed in the demonstrations. Gothenburg is a member of this board with duties that relate to the objectives.

7. Conclusions

The aim of the Deliverable is to ensure the optimal coordination, collaboration and communication between the Gothenburg ecosystem partners and involved stakeholders, supporting optimal preparation and implementation of all foreseen Gothenburg lighthouse interventions. The Deliverable provides a detailed and up-dated (at M12) description of the management structures and processes of the demonstration activities foreseen in Gothenburg.

This will facilitate the identification of interaction between demonstrator and fields of activities. It will also be used as a referral up-date for the later coordination of activities. Planned budget and investment forecasts are included in the content.

Overall conclusions from this deliverable include

- JSP has set up a working project organisation employing a flexible and context-sensitive schedule of meetings with the various ecosystem partners
- Gothenburg has a slightly different situation compared to the two other LH, since co-ordination and management of activities is handled by JSP, who is not a part of the municipal organisation. This requires a separate governance channel from the City Hall via JSP to the city authorities involved in the project.
- Regarding investments foreseen, they are for the larger part not under the immediate control of the IRIS partners but belong to either the large construction projects housing some of the demonstrators or consist of the large municipal investments in infrastructure and digitalisation. This makes the picture more fragmented and difficult to forecast. There are however no indications that the planned investments should not take place. Many investments have been made or have funds reserved.
- Among the risks identified, several are dealing with lack of end-user/citizen engagement. This makes it clear that this aspect must be at the top of the list of priorities when designing and launching the demonstrators
- A well-functioning communications operation has been set up, liaising with communications contact points of the partners in the Gothenburg ecosystem, as well as working seamlessly with WP10 lead to provide news coverage from the local perspective.
- The development of the D5/6/7.1 and D5/6/7.2 Deliverables has provided a first opportunity of hands-on collaboration between staff in the three LH cities, an opportunity which has been valuable for all involved and should pave the way for future joint undertakings.



8. References

- [1] Johanneberg Science Park 2018. IRIS Deliverable 7.1 Report on baseline, ambition and barriers for Gothenburg lighthouse interventions.
- [2] A. G. Marijuan and S. Moller, "Smart Cities Information System: Key Performance Indicator Guide v.2.0.," https://www.smartcities-infosystem.eu/sites/default/files/document/scis_kpi_guide.pdf, 2017.
- [3] P. Bosch and et al., "CITYkeys indicators for smart city projects and smart cities.," https://www.researchgate.net/publication/326266723_CITYkeys_indicators_for_smart_city_projects_and_smart_cities, 2016.

Annex 1 - WP10 C&D Reporting - GOT

| Target | Date | Action | Partners | Description | Channel / Source | Link |
|--|-------------------|----------------------|----------------------------|---|---------------------------------|---|
| COMMUNICATION & DISSEMINATION | | | | | | |
| | 28 - 29 nov, 2018 | Conference Stockholm | Alla | Geoforum Sverige | Web JSP / IRIS + social media | http://smartastader.com/ |
| | 13-15 nov, 2018 | Conference Barcelona | Alla | Smart City Expo | Web JSP / IRIS + social media | http://www.smartcityexpo.com/en/the-event/about-2018-edition |
| Citizens, stakeholders | November | Video mm | Riksbyggen/ Trivector EC2B | Citizen meeting | Web JSP / IRIS + social media | |
| | October | | Trivector/ EC2B | Conference in Trondheim | Meeting | |
| Interested public, stakeholders | October | Press release | HSB | Personal Energy Threshold, PET | Lanseringsaktivitet? | |
| Interested public, stakeholders | October | Digital pressrelease | Akademiska hus | Akademiska hus, Phase Change Material - saltlagring? | Pressrelease / digital newsroom | |
| Interested public, stakeholders | October | Digital pressrelease | Akademiska hus | Akademiska hus, batrilagring leverans oktober, solceller Aktivitet? | Pressrelease / digital newsroom | |
| IRIS | 16-18 October | Consortium Meeting | Alla | Consortium Meeting IRIS Nice | Meeting | |
| Reps fr cities & regions | 10 Oct 2018 | Conference Workshop | Gbg Stad | Workshop in Bryssel | Susanne Ingvarsson, mfl | https://europa.eu/regions-and-cities/about/nutshell_en |
| Reps fr cities & regions | 8 - 11 Oct 2018 | Conference | Alla | The European Week of Regions and Cities, Bryssel | Web JSP / IRIS + social media | https://europa.eu/regions-and-cities/about/nutshell_en |

| Target | Date | Action | Partners | Description | Channel / Source | Link |
|-----------------------------------|-------------------|-------------------------|----------------------------|---|---|---|
| Stakeholders real estate industry | 4 Oct 2018 | Conference | Metry | Metry Seminarium 2018 Stockholm. | Presentation on stage Katarina Nordström, JSP | https://magnetevent.se/Event/metry-seminarium-2018-19765/ |
| Interested public, stakeholders | 2 Oct 2018 | Digital pressrelease | Riksbyggen/ Trivector EC2B | Riksbyggen/Trivector EC2B pressrel om bilfritt boende och de smarta mobilitetslösningar som erbjuds i stället | Pressrelease / digital newsroom | http://www.riksbyggen.se/om-riksbyggen/press-och-nyheter#/pressreleases/enbart-elfordon-och-maanga-mobilitetsloesningar-i-brf-vivas-fordonspool-2716730 |
| Interested public, stakeholders | 1 Oct 2018 | Print + digital article | Alla | Impressive article about smart, digital cities w a lot of IRIS in it. | Magazine with DI business newspaper | https://www.di.se/nyheter/goteborgs-digitala-tvilling-ska-leda-vagen/ |
| Reps from cities in Europe | 24 - 27 Sept 2018 | Conference | Alla | Nordic Edge Expo 2018 - Stavanger (Norway) | Presentation on stage Björn Westling Web JSP / IRIS + social media Eva P modererar ett samtal efteråt på temat Mobiltet | https://www.nordicedgeexpo.org/conference |
| Interested public, stakeholders | 20 sept 2018 | Video | Riksbyggen/ Trivector EC2B | Second life Bus batteries from ElectriCity electric bus to PFH Riksbyggen VIVA | Video/YouTube swe + eng | https://www.youtube.com/watch?v=PBJ0L8uu5po |
| | | | | | | https://www.youtube.com/watch?v=cJbAMqvwdCs |
| Interested public, stakeholders | 13 sept 2018 | Citizen engagement | Trivector/ EC2B | Trivector/EC2B skriver samarbete m Västtrafik, digitala biljetter. | Pressrelease / digital newsroom | https://www.riksbyggen.se/om-riksbyggen/press-och-nyheter#/pressreleases/riksbyggen-s-brf-viva-foerst-ut-att-testa-ny-digital-tjanst-foer-mobilitetsloesningar-2688286 |

| Target | Date | Action | Partners | Description | Channel / Source | Link |
|----------------------------|--------------|----------------------|----------------|---|---|---|
| | | | | | | https://www.trivector.se/nyhet/vasttrafik-testar-mobilitetstjansten-ec2b/ |
| | 6 sept 2018 | | Riksbyggen | Riksbyggens Brf Viva nominerad till Årets Miljöpris | Pressrelease / digital newsroom | https://www.mynewsdesk.com/se/riksbyggen/pressreleases/riksbyggen-brf-viva-nominerad-till-aarets-miljoepri-2679364 |
| Reps from cities in Sweden | 30 aug 2018 | Presentation | JSP | Nettan 45 | Presentation on stage Eva Pavic Web JSP / IRIS + social media | https://klimatkommunerna.se/globalassets/klimatkommunerna/kk-dokument/nettan/inbjudan-nettan45---slutkonferens.pdf |
| | | | | | | https://www.johannebergsciencepark.com/sites/default/files/eva_nettan.jpg |
| Every-body | 7 aug 2018 | Dig pressrel | Göteborgs Stad | Göteborg finalist i iCapital Award 2018 | Pressrelease / digital newsroom | http://www.mynewsdesk.com/se/goteborgsstad/pressreleases/goeteborgs-stad-aer-finalist-i-european-capital-of-innovation-icapital-award-2018-2622285 |
| Interested public | juni-juli | Dig article (print?) | Akademiska Hus | News Chalmers tar det kallt med salt | News item magazine Energi & Miljö | https://www.johannebergsciencepark.com/sites/default/files/PCM%20teknisk%20artikel%20energi%20milj%C3%B6%20nr7.jpg |
| Interested public | 21 juni 2018 | Dig article (print?) | | Så ska Sveriges städer bli smartare. | Magazine Ny Teknik | https://www.johannebergsciencepark.com/sites/default/files/S%C3%A5%20ska%20Sveriges%20st%C3%A4der%20bli%20smartare%20Ny%20Teknik%20180621.pdf |
| Interested public | 18 juni 2018 | Pressrelease | | HSB automatiserar energistatistik med Metry | Pressrelease / digital newsroom | https://www.johannebergsciencepark.com/nyheter/riksbyggen-valjer-metry-digital-energistatistik |

| Target | Date | Action | Partners | Description | Channel / Source | Link |
|---------------------------------|-----------------|----------------------------|--------------------------|--|---|---|
| Interested public | 30 maj 2018 | Article | All Gbg partners | 8 Boot camps, 'do-zones' matchmaking | JSP web + twitter | http://iris-smartcities.eu/content/boot-camps-%E2%80%99do-zones%E2%80%99-and-matchmaking-all-months%E2%80%99-work-iris-lighthouse-city-gothenburg |
| Interested public stakeholders | 25 May 2018 | Presentation | City of Gothenburg | IoT Bootcamp Smart City Gothenburg | Presentation on stage Kim Lantto | |
| | 24 May 2018 | Conference | HSB | Cleantech Matchmaking Event | Presentation on stage Rickard Malm | |
| | 24 May 2018 | Conference | JSP | The Public Space | Presentation on stage Eva Pavic | |
| | den 17 maj 2018 | Pressrelease | Trivector/ EC2b | IRIS-partner EC2B partner med Spacetime | Pressrelease / digital newsroom | https://www.trivector.se/nyhet/ec2b-etablerar-partnerskap-med-spacetime/ |
| Interested public in Gothenburg | 9 May 2018 | Seminar | JSP + City of Gothenburg | Europadagen 9 may – Europe in My Region | Presentation on stage | |
| | 4 May 2018 | Article | Akademiska Hus | A Working Lab – testbädd för att utvinna energi vid fasändring | Pressrelease / digital newsroom | https://www.akademiskahus.se/aktuellt/nyheter/2018/5/a-working-lab-testar-nytt-satt-att-lagra-energi/ |
| | 27 April 2018 | Presentation by invitation | JSP | Presentation of IRIS at the Swedish Embassy in Tokyo | Presentation on stage Eva Pavic | |
| Interested public, stakeholders | 17 April 2018 | Video | All Gbg partners | IRIS #SmartCityVisions: Gothenburg meeting recap | IRIS channels (website, twitter, linkedin, instagram etc) | https://youtu.be/A7ZEu6cyhl8 |

| Target | Date | Action | Partners | Description | Channel / Source | Link |
|--|-----------------|---------------------------|--------------------|--|--|---|
| | 16 April 2018 | Seminar at Conference | JSP | Viable Cities conference and annual member meeting | Presentation on stage Eva Pavic | |
| | 27 March 2018 | Article | City of Gothenburg | Göteborg visar vägen mot framtidens smarta stad | Pressrelease / digital newsroom | http://www.mynewsdesk.com/se/goteborgsstad/pressreleases/goeteborg-visar-vaegen-mot-framtidens-smarta-stad-2457446 |
| | 23 March 2018 | Interview (ESCI) | JSP | Smart City Visions: Eva Pavic | Video/YouTube | https://www.youtube.com/watch?v=oFZRkL2Zx5o&t=3s |
| | 19 January 2018 | Pressrel | Metry + Riksbyggen | Riksbyggen väljer Metry för digital energistatistik | Pressrelease / digital newsroom | https://www.mynewsdesk.com/se/johannebergsciencepark/news/riksbyggen-vaeljer-metry-foer-digital-energistatistik-290362 |
| | 19 January 2018 | Interview (ESCI) | Metry | Smart City Visions: Magnus Lüttkens | Video/YouTube | https://www.youtube.com/watch?v=oF8t-M8iksA&t=3s |
| Public, press, event & travel industry | 16 nov 2017 | Dig pressrel | City of Gothenburg | GOT nominanted world's No1 green destination by ICCA | Press & social media | https://www.mynewsdesk.com/se/gbgco/pressreleases/gothenburg-ranks-number-one-among-sustainable-cities-2280049 |
| Professional & political | 10 nov 2017 | Korea Inst. of Technology | JSP | Delegation | | https://twitter.com/EvaKouraki/status/928969970675003392 |
| Professional & political | 10 nov 2017 | Workshop Brussels | JSP | Event | | https://www.johannebergsciencepark.com/evenemang/moving-towards-fossil-free-energy-district |
| Public, press | 11 October 2017 | Dig pressrel | Trivector/EC 2b | Trivector mobility as a service concept EC2B becomes its own company | Press & social media | http://iris-smartcities.eu/content/trivector-mobility-service-concept-ec2b-becomes-its-own-company |
| Printed articles, source: Meltwater (media intelligence agency) www.meltwater.com | | | | | | |
| Public | 18 | Article | JS | Ny digital tjänst för | IT-Finans.se | http://it-finans.se/ny-digital-tjanst-for- |

| Target | Date | Action | Partners | Description | Channel / Source | Link |
|--------|-------------------|---------|-----------------|---|-------------------------------|---|
| | sept2018 | | | mobilitetslösningar testas | | mobilitetslosningar-testas/ |
| Public | 17 sept2018 | Article | JSP | Ny digital tjänst för mobilitetslösningar testas | Johanneberg Science Park | http://www.mynewsdesk.com/se/johannebergsciencepark/news/ny-digital-tjaenst-foer-mobilitetsloesningar-testas-322584 |
| Public | 14 september 2018 | Article | Riksbyggen | Riksbyggens Brf Viva först ut att testa ny digital tjänst för mobilitetslösningar - Byggnorden.se | Byggnorden.se | http://www.byggnorden.se/projekt/riksbyggens-brf-viva-fa-rst-ut-att-testa-ny-digital-tja-nst-fa-r-mobilitetsla-sningar |
| Public | 13 sept2018 | Article | Ri | Riksbyggens Brf Viva först ut att testa ny digital tjänst för mobilitetslösningar | Cision | http://news.cision.com/se/riksbyggen/r/riksbyggens-brf-viva-forst-ut-att-testa-ny-digital-tjanst-for-mobilitetslosningar,c2619988 |
| Public | 23 juni 2018 | Article | | Faran med teamfokus – utvecklaren försvinner i mängden | Computer Sweden - Idg | https://computersweden.idg.se/2.2683/1.704291/faran-med-teamfokus |
| Public | 13 juni 2018 | Article | JSp | Lars Göran Andersson ny ordförande för Johanneberg Science Park | Johanneberg Science Park | https://www.mynewsdesk.com/se/johannebergsciencepark/pressreleases/lars-goeran-andersson-ny-ordfoerande-foer-johanneberg-science-park-2539618 |
| Public | 3 maj 2018 | Article | Göteborgs Stad | Vad gör EU-projekten i Göteborg? | Göteborgs Stad | https://www.mynewsdesk.com/se/goteborgsstad/pressreleases/vad-goer-eu-projekten-i-goeteborg-2496890 |
| Public | 27 april 2018 | Article | Akademiska Hus | Akademiska Hus delårsrapport 1 januari – 31 mars 2018 | Akademiska Hus | https://www.mynewsdesk.com/se/akademiska_hus_ab/pressreleases/akademiska-hus-delaarsrapport-1-januari-31-mars-2018-2492590 |
| Public | 27 mars 2018 | Article | Hela GBG-teamet | Göteborg visar vägen mot framtidens smarta stad - Brf Viva | Byggnorden.se | http://www.byggnorden.se/energi-miljo/ga-teborg-visar-va-gen-mot-framtidens-smarta-stad-brf-viva-ett-av- |

| Target | Date | Action | Partners | Description | Channel / Source | Link |
|--------|-----------------|---------|---------------------|---|--------------------------------------|---|
| | | | | ett av exemplen - Byggnorden.se - Nyhetskällan för dig inom bygg | | exemplen |
| Public | 27 mars 2018 | Article | Hela GBG- teamet | IRIS Smart Cities kommer till Göteborg | Energinyheter.se | http://www.energinyheter.se/20180327/19453/iris-smart-cities-kommer-till-goteborg |
| Public | 27 mars 2018 | Article | Hela GBG- teamet | IRIS Smart Cities kommer till Göteborg | Byggnyheter.se | http://www.byggnyheter.se/20180327/20414/iris-smart-cities-kommer-till-goteborg |
| Public | 27 mars 2018 | Article | Hela GBG- teamet | IRIS Smart Cities kommer till Göteborg | DagensFastigheter.se | http://www.dagensfastigheter.se/20180327/5405/iris-smart-cities-kommer-till-goteborg |
| Public | 27 mars 2018 | Article | HSB | HSB Living Lab ett av stoppen när Göteborg visar vägen mot framtidens smarta stad | Byggkontakt | http://www.byggkontakt.nu/artikel/hsb-living-lab-ett-av-stoppen-nar-goteborg-visar-vagen-mot-framtidens-smarta-stad/ |
| Public | 27 mars 2018 | Article | HSB | HSB Living Lab ett av stoppen när Göteborg visar vägen mot framtidens smarta stad | HSB Göteborg | https://www.mynewsdesk.com/se/hsb_goeteborg/news/hsb-living-lab-ett-av-stoppen-naer-goeteborg-visar-vaegen-mot-framtidens-smarta-stad-300205 |
| Public | 26 mars 2018 | Article | Riksbyggen | Göteborg visar vägen mot framtidens smarta stad - Brf Viva ett av exemplen | Fastighet & Bostadsrätt | http://www.fastighetochbostadsratt.com/Bygg-%26-Fastighet/64274-Goteborg-visar-vagen-mot-framtidens-smarta-stad---Brf-Viva-ett-av-exemplen.html |
| Public | 26 mars 2018 | Article | Riksbyggen | Göteborg visar vägen mot framtidens smarta stad – Brf Viva ett av exemplen | Byggbladet | http://byggbladet.se/goteborg-visar-vagen-mot-framtidens-smarta-stad-brf-viva-ett-av-exemplen/ |

| Target | Date | Action | Partners | Description | Channel / Source | Link |
|--------|--------------|---------|--------------------|--|---|---|
| Public | 26 mars 2018 | Article | Riksbyggen | Göteborg visar vägen mot framtidens smarta stad - Brf Viva ett av exemplen | Riksbyggen | https://www.mynewsdesk.com/se/riksbyggen/pressreleases/goeteborg-visar-vaegen-mot-framtidens-smarta-stad-brf-viva-ett-av-exemplen-2459067 |
| Public | 26 mars 2018 | Article | Riksbyggen | Göteborg visar vägen mot framtidens smarta stad | Johanneberg Science Park | https://www.mynewsdesk.com/se/johannebergsciencepark/pressreleases/goeteborg-visar-vaegen-mot-framtidens-smarta-stad-2459516 |
| Public | 26 mars 2018 | Article | Göteborgs Stad | Göteborg visar vägen mot framtidens smarta stad | Göteborgs Stad | https://www.mynewsdesk.com/se/goteborgsstad/pressreleases/goeteborg-visar-vaegen-mot-framtidens-smarta-stad-2457446 |
| Public | 26 mars 2018 | Article | Göteborgs STad | Göteborg visar vägen mot framtidens smarta stad | Svenskbygggtidning.se | https://www.svenskbygggtidning.se/2018/03/26/goteborg-visar-vagen-mot-framtidens-smarta-stad/ |
| Public | 19 jan 2018 | Article | Akademiska Hus | Chalmers kan bli soltätast | Energitidningen | http://www.emagasin.se/paper/srj0csg0/paper/1#/paper/srj0csg0/10 |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen inför digital energistatistik över hela landet - Byggnorden.se - Nyhetskällan för dig inom bygg | Byggnorden.se | http://www.byggnorden.se/energi-miljo/riksbyggen-infa-r-digital-energistatistik-a-ver-hela-landet |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen inför digital energistatistik över hela landet | Energiexpress.se | http://www.energiexpress.se/el-energinat/riksbyggen-infa-r-digital-energistatistik-a-ver-hela-landet |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen väljer Metry för digital energistatistik | Byggbladet | http://byggbladet.se/riksbyggen-valjer-metry-for-digital-energistatistik/ |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen inför nationell digital | Byggnyheter.se | http://www.byggnyheter.se/20180119/20032/riksbyggen-infor-nationell- |

| Target | Date | Action | Partners | Description | Channel / Source | Link |
|--------|-------------|---------|--------------------|---|---------------------------------------|---|
| | | | | energistatistik | | digital-energistatistik |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen väljer Metry för digital energistatistik | Industritorget.se | https://www.industritorget.se/nyheter/riksbyggen+v%C3%A4ljer+metry+f%C3%B6r+digital+energistatistik/17083/ |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen inför nationell digital energistatistik | Energinyheter.se | http://www.energinyheter.se/20180119/19153/riksbyggen-infor-nationell-digital-energistatistik |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen väljer Metry för digital energistatistik | Johanneberg Science Park | https://www.mynewsdesk.com/se/johannebergsciencepark/news/riksbyggen-vaeljer-metry-foer-digital-energistatistik-290362 |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen inför digital energistatistik över hela landet | Fastighet & Bostadsrätt | http://www.fastighetochbostadsratt.com/Energi-%26-Miljo/63894-Riksbyggen-infor-digital-energistatistik-over-hela-landet.html |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen inför digital energistatistik över hela landet | Byggkontakt | http://www.byggkontakt.nu/artikel/riksbyggen-infor-digital-energistatistik-over-hela-landet/ |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen inför digital energistatistik över hela landet | Svenskbyggstidning.se | http://svenskbyggstidning.se/riksbyggen-infor-digital-energistatistik-over-hela-landet/ |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen inför digital energistatistik över hela landet | Branschkanalen.se | http://branschkanalen.se/riksbyggen-infor-digital-energistatistik-over-hela-landet/ |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen inför digital energistatistik över hela landet | Riksbyggen | https://www.mynewsdesk.com/se/riksbyggen/pressreleases/riksbyggen-infoer-digital-energistatistik-oever-hela-landet-2382143 |
| Public | 19 jan 2018 | Article | Riksbyggen + Metry | Riksbyggen inför digital energistatistik över hela landet | Cision | http://news.cision.com/se/riksbyggen/r/riksbyggen-infor-digital-energistatistik-over-hela-landet,c2445386 |
| Public | 20 dec | Article | Chalmers | Chalmers Energiteknik | Chalmers | https://www.chalmers.se/sv/institution |

| Target | Date | Action | Partners | Description | Channel / Source | Link |
|--------|-------------|---------|---------------------------|--|--|---|
| | 2017 | | | årsrapport | | er/e2/arsberattelse/Sidor/Elektroteknik-2017.aspx |
| Public | 14 dec 2017 | Article | Chalmers | Chalmers satsar på solceller | Tidningen Syre | https://tidningensyre.se/goteborg/chalmers-satsar-pa-solceller/ |
| Public | 12 dec 2017 | Article | Chalmers + Akademiska Hus | Chalmers siktar på att bli Sveriges mest solcellstata stadsdel | Hållbart Byggande | http://hallbartbyggande.com/chalmers-siktar-pa-att-bli-sveriges-mest-solcellstata-stadsdel/ |
| Public | 12 dec 2017 | Article | Chalmers + Akademiska Hus | Chalmers blir en av Sveriges solcellstätaste stadsdelar | Energiexpress.se | http://www.energiexpress.se/solenergi/chalmers-blir-en-av-sveriges-solcellstatastaste-stadsdelar |
| Public | 12 dec 2017 | Article | Chalmers + Akademiska Hus | Miljonsatsning på solenergi | world in property | https://worldinproperty.se/article/miljonsatsning-paa-solenergi-16768 |
| Public | 11 dec 2017 | Article | Chalmers + Akademiska Hus | En av Sveriges solcellstätaste stadsdelar | Branschaktuellt | https://branschaktuellt.se/energi/15690-en-av-sveriges-solcellstatastaste-stadsdelar |
| Public | 11 dec 2017 | Article | Chalmers + Akademiska Hus | Chalmers blir en av Sveriges solcellstätaste stadsdelar | Chalmers | http://www.mynewsdesk.com/se/chalmers/pressreleases/chalmers-blir-en-av-sveriges-solcellstatastaste-stadsdelar-2324044 |
| Public | 11 dec 2017 | Article | Chalmers + Akademiska Hus | Chalmers blir en av Sveriges solcellstätaste stadsdelar | Chalmers | https://www.chalmers.se/sv/nyheter/Sidor/Chalmers-blir-en-av-Sveriges-solcellstatastaste-stadsdelar.aspx |
| Public | 11 dec 2017 | Article | Chalmers + Akademiska Hus | Skapar en av Sveriges mest solcellstata stadsdelar | Metal Supply | https://www.metal-supply.se/article/view/572630/skapar-en-av-sveriges-mest-solcellstata-stadsdelar |
| Public | 11 dec 2017 | Article | Chalmers + Akademiska Hus | Chalmers och Akademiska Hus storsatsar på solceller | Energinyheter | http://www.energinyheter.se/20171211/18956/chalmers-och-akademiska-hus-storsatsar-pa-solceller |

| Target | Date | Action | Partners | Description | Channel / Source | Link |
|--------|-------------|---------|---------------------------|---|--|---|
| Public | 11 dec 2017 | Article | Chalmers + Akademiska Hus | Chalmers vässar forskningsmiljö för solenergi | Miljö&Utveckling | http://miljo-utveckling.se/chalmers-vassar-forskningsmiljo-solenergi/ |
| Public | 11 dec 2017 | Article | Chalmers + Akademiska Hus | Unik solcellsanläggning byggs på Chalmers | Fastighetstidningen | http://fastighetstidningen.se/unik-solcellsanlaggning-byggs-pa-chalmers/ |
| Public | 11 dec 2017 | Article | Chalmers + Akademiska Hus | Chalmers blir en av Sveriges solcellstätaste stadsdelar | Förvaltarforum | http://forvaltarforum.se/2017/12/11/c-halmers-blir-en-av-sveriges-solcellstataste-stadsdelar/ |
| Public | 11 dec 2017 | Article | Chalmers + Akademiska Hus | Chalmers blir en av Sveriges solcellstätaste stadsdelar | Expertsvar.se | https://expertsvar.se/pressmeddelanden/chalmers-blir-en-av-sveriges-solcellstataste-stadsdelar/ |
| Public | 29 nov 2017 | Article | Chalmers | Internationella experter nyfikna på handelsplats för energi | Johanneberg Science Park | https://www.mynewsdesk.com/se/johannebergsciencepark/news/internationella-experter-nyfikna-paa-handelsplats-foer-energi-281344 |