D8.1 Implementers Community & Valorisation

Deliverable Report: D8.1 Final version

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Publishable executive summary

One important aspect of STREAMER is the development of an Implementers Community (IC). The IC is the place where the immediate knowledge dissemination and valorisation of the Streamer project takes place, and should be aligned with the demonstration and validation activities i.e. planning, design and decision-making workshops; providing valuable feedback on the functionalities of Streamer design methods and tools and gauge the interest of potential market parties for direct and future impacts of the STREAMER project.

The IC should include stakeholders, design actors and interested parties which are associated with the four demonstration cases in WP7. In principle the are four local ICs to be foreseen and the plans for these ICs are presented in this deliverable. The activity to develop a local IC is led by the four hospital organizations and supported by other partners of the STREAMER consortium.

During the setup of the ICs it is expected that partners that have a wish to exploit parts of the STREAMER knowledge, tools or other results, will have the opportunity to participate in the local ICs. This deliverable acts therefore as a way to further facilitate the process of exchanging ideas about the content and possible assistance in the preparation and execution of the local IC.

The events shall be announced and recorded and reported to the workpackage leader by the individual IC, following the projects communication and dissemination strategy.

The Streamer website which currently has a provisional page about the IC should be filled and more information about the local events, be made available on the individual hospital's website. As most activities are planned for March 2016, it is likely to be announced in the autumn of 2015. The minutes of the IC activities will be therefore be submitted as documentation of the D7.2 deliverable (M42).

List of acronyms and abbreviations

APHP   Assistance Publique Hopitaux de Paris

AOC   Azienda Ospedaliero-Universitaria Careggi

BIM   Building Information Model

IC   Implementers Community

LOD   Level of Detail

PoR   Programme of Requirements

RNS   Rijnstate Hospital

TRFT   The Rotherham Foundation Trust

WP   Work Package

WPL   Work Package Leader

Contents

1. Introduction of Implementers Community and valorisation

One important aspect of STREAMER is the development of an Implementers Community (IC). The IC is the place where the immediate knowledge dissemination and valorisation of the Streamer project takes place, and should be aligned with the demonstration and validation activities i.e. planning, design and decision-making workshops; providing valuable feedback on the functionalities of Streamer design methods and tools and gauge the interest of potential market parties for direct and future impacts of the STREAMER project.

The IC should include stakeholders, design actors and interested parties which are associated with the four demonstration cases in WP7. In principle the are four local ICs to be foreseen. The activity to develop a local IC is led by the four hospital organizations and comprises of the following activities:

The task is to establish four groups of ICs in relation to the four demonstration cases;
- Per group a list of interested partners (direct/indirect stakeholders, advisors, interested observers) needs to be assembled
- Members of the IC will participate in the demonstration of the design/demonstration workshops (to be held in conjunction with WP7)
- Member of the IC are the target group for dissemination and valorisation.

1.1 What is an Implementers Community

A community by itself is established by a group of stakeholders who share same or similar interests. In the case of STREAMER the Communities are organized around the demonstration cases of the individual hospitals. A community is more than a one-time demonstration meeting, and assumes more moments of interactions (electronically, physically).

1.2 Goal of the Implementers Community

The STREAMER consortium assesses that the ICs are successful, if they attract a medium sized group (5-10) of interested stakeholders that, during the project lifetime, show an interest in the development of the project, its deliverables and could be considered (end-)users of the results of STREAMER.

It is also considered a tangible communication moment for the hospitals and other partners, to demonstrate their participation in this project, to share their experiences and an opportunity for partners wishing to explore the potential interest of the market for the development of the STREAMER deliverables (Key exploitable results).

1.3 Relation with other WP's

As the development of the IC is closely linked to the demonstration cases, it seems logical that the lead is taken up and executed via the individual hospital organizations, but that the set-up and central management (where necessary) is done by the task leader. This task allows to plan ahead as the deadline for the set-up of the IC is planned for month 24 and the demonstration cases per hospital are planned around month 36. In this way it gives time to attract and build an implementers community, communicate about them and to demonstrate the results per hospital case in month 36.

At least one meeting of the IC will be the Participatory Design Workshop (Month 36), in which the STREAMER approach towards the design of Energy Efficient Hospitals will be validated. The preparations of the Participatory Design Workshops are executed in WP7.

It also connects to the Deliverable 8.3 Exploitation and IPR plan, as the stakeholders within the ICs could be considered as clients of products (that they have helped to shape) during the activities and demonstrations in the ICs).

This report consists of a proposal how the STREAMER consortium intends to set-up the four ICs, how to centrally manage the common dissemination activities in task 8.1 and how to use the available resources (websites, newsletters, platforms, knowledge base) we have in the projects, and between partners tasked with the execution of the IC.

2. Process to prepare the Implementers Community

2.1 Process of coming to an IC

The Task to prepare the Implementers community has started in January 2015. The task leader has composed the list of contact persons who are in charge of running the local IC 's and demonstration cases that are planned around M36. This list and an initial plan has been completed during the AGM in Rotherham (April 2015).

Each hospital organization has a primary point of contact to organize the dissemination activities and the ICs:

Hospital Organisation	Contactperson	E-mail
Rijnstate Hospital (RNS)	Marc Koster	m.koster@rijnstate.nl
The Rotherham Foundation Trust (TRFT)	John Cartwright	John.Cartwright@rothgen.nhs.uk
Azienda Ospedaliero-Universitaria Careggi (AOC)	Beatrice Turillazzi	tll@unife.it
Assistance Publique Hopitaux de Paris (APHP)	Kevin Violant	kevin.violant@sap.aphp.fr

A joint meeting has taken place in Rotherham (UK) to establish a sense of common understanding between all partners about the task and the objectives. Also a first indicative discussion was held to establish what is needed to organize a successful local implementers community.

It was established that four aspects will need to be addressed in the planning of the local ICs. Each individual IC had prepared a starting document that gave insights into the:

- Focus & Content of the Demonstration Cases (and of the IC),
- Define Stakeholders it wants to attract (prepare a draft list),
- Proposed an initial date & time for the activities,
- Proposed communication actions (what is needed) & dissemination after the IC.

These plans were enriched with the outcomes of the Exploitation Strategy Seminar and developed after the meeting in Stockholm into an execution plan, that is part of this deliverable (chapter 3).

2.2 Activities within each IC and variety between ICs

It was discussed that each IC should follow as much it's local preferences in terms of topics, partners and interests as each of the cases are different from demonstrator to demonstrator.

As we are now progressing in the project, each hospital is challenged by the progress of the pilot and the knowledge and tools that have been developed in STREAMER. It is interesting to demonstrate in one session per hospital how the real life cases have worked out and to point interested members of the IC to this. One can

assume that each pilot is at a different stage and has specific aspects that it would like to highlight. In the preparation of the activities of the IC, this should be dealt with in the execution plan.

 Also the local language and local engagement of stakeholders is left to be detailed out as much as possible by the individual local ICs. As they are all organized around different hospitals in different countries, things like language might be a challenge when more than one country is involved. Drafting a local circle of stakeholders and imposing a language on all of its discussions seems odd. On the other hand to capture the essence of discussions and get better information to inform the shaping of the results and deliverables for better dissemination and exploitation, it seems relevant to adopt one language. It could also happen that, when other stakeholders are interested in specific demonstration session, a decision is made to have more than one (varying in language), depending on the interest of stakeholders. This language discussion should be dealt with at the start of the preparation of the IC.

Some coordination in terms of joint communication (use of STREAMER website before and after the IC events) and the ability to allow partners that wish to check the key exploitable results with potential future users should be allowed. This more central coordination as well as help in setting up the local ICs by introducing potential partners from the wider network, is done by the task leader. The work package leader checks whether the results of this workpackage follow the rules as agreed in the communication plan (event announcement & dissemination sheets, see annex 3 and 4).

3. Outline of the Implementer Communities

3.1 General

In this chapter the four outlines of the local implementers communities are presented.

The Description of Work related to Task 8.1, relates to the 4 hospital organizations (RNS, APH, TRF, AOC), who are the owners/clients of the demonstration cases, in which they have to establish an Implementers Community (IC) that includes the stakeholders, design actors and interested parties which are associated with the four demonstrations cases.

The knowledge dissemination and valorisation through the IC has to be conducted in conjunction with the demonstration and validation activities foreseen in WP7, especially the validation through participatory design session. "The design/demonstration workshop(s) will be organised involving multidisciplinary stakeholders, advisors and observers. Prior to the workshop(s), the proposed design models (in BIM/GIS/Semantic Web format) addressing the case study will be prepared. During the workshop(s), the preliminary design models will be verified using preliminary performance simulation and assessment tools as developed in STREAMER. An experimental decision-making session will follow afterwards using the support from STREAMER tool to facilitate and validate the collaborative design decisions."

The minutes of the workshop(s) will be therefore be submitted as documentation of the D7.2 deliverable (M42).

3.1.1 Topics to be reckoned with when organizing the workshops

- Explain the goal of the workshop in the invitations sent to the participants and ask what they want to contribute (knowledge/a tool/?). Only invite the ones who we expect to really contribute;
- Let every participant give a very short presentation about his expected contribution. It will give a head-start in information sharing and get to know another;
- If we have too many "egg-head" / experts people we might risk getting lost in abstract discussions (like trying to redefine the concept of LOD all day).

3.2 Rijnstate Hospital– Proposal for the Dutch Demonstration case and Implementers Community

RNS will organize the workshops and will be supported by TNO, as it is to be done as part of the IC.

3.2.1 Goal(s) of the workshops

What this local IC would like to validate in the workshop is the current set of ideas about semantic labels as addition to a state of the art BIM driven design process.
More specific:

- translation of expert knowledge into labels.
- using labels to validate a PoR, a new design or an existing situation.
- using labels to automate a PoR and design solutions for new build / renovation.

As the demonstration workshops are part of the IC, the workshops may have several goals. One is to demonstrate to a broad (Dutch) public the perspective of the "Streamer enhanced" BIM approach.

Another goal is to exchange knowledge between the Dutch Streamer partners and other (Dutch) BIM expertise organizations. Based on the demonstration of the Streamer approach, we aim to show possible new (design) processes, new tools and (IFC) relations between these tools (Streamer labels, Reqcap, Briefbuilder, designvalidator,….). This should be a similar or more expanded version from the tools that are presented during the mid term review (September 2015).

A third goal is to investigate different topics in an interactive way. One of the topics is "if the proposed designlabels could be a good way to define different rooms in a hospital, and that this contributes to achieving the Streamer objectives/ goals (During the workshop we would also like to make the levels within the labels more specific". This means giving real values to the levels within the different labels, if possible. This will be done based on a case study).

The fourth goal is to exploit the Streamer enhanced BIM concept, tools and approach.

3.2.2 Workshop set up and planning

The idea is to organize two workshops and have a "pre workshop" that can be used as a kind of "dress rehearsel". A possible approach could be to split up the group of possible invitees into a more *technical* group (Workshop 1) and an *application* group (Workshop 2). In this way we get two types of feedback that could help in developing the Streamer project and exploitation of the Streamer concept and tools.

The dates of the two workshops are to be considered, and the relation between the workshops and the Streamer project development and goals.

Workshop	Subjects	Month
Pre demonstration	Test the relevance of the subjects and manner of organization of the workshops	26 (nov 2015)
1	Showcase with exchange knowledge, general BIM standards, what is Streamer?	30 (mar 2016)
2	Showcase of Streamer project and tools,	36 (Sep 2016)

	discussions about (application of) the designlabels	

The idea is to have morning and afternoon sessions. The morning session of the first workshop is to introduce the Streamer project and it's goals, as well as the partners involved in Streamer. Followed by a plenary session about the Streamer tools and designlabels.

The morning session of the second workshop starts again plenary with a brief wrap up of the first session (and the progress in the Streamer project between M 30 and M36). After this session smaller workshops are held in smaller groups, using the design labels and adding value to the labels (levels).

3.2.3   Other topics that could be used in the workshops

- Energy labels / Semantic Labels from WP1
- Monitoring
- KPIs
- Energy
- Rule checking?? (Design Validator as it checks whether the design fulfils the requirements –that consist of modelling 1) regulations, 2) best-practices/reference knowledge from the directives i.e. College bouw ziekenhuisvoorzieningen series, and 3) client / project specific requirements (i.e. RNS)
- Semantic-design process model/flow (in relation with the tools/models tested)
- Best practices / do's and don'ts
- Pecha Kucha Method, easy to understand, Fact Sheet, Booklet with explanations

3.2.4   Invitees / participants

The participants should all be experts on (one of the) issues that will be covered in the workshops. The longlist that is made, covers only Dutch parties. Based on the expertise of the longlist participants, a selection of invitees will be made for the workshop (See annex 1).

3.3   The Rotherham FT – Proposal for the UK Demonstration case and Implementers Community

The following programme of the UK demonstration and validation activity is set out against the Dutch proposal shown during the GA meeting in Rotherham: the pilot sites represent different case studies and therefore different expectations regarding the benefits achievable from the final STREAMER results and tools but the methodology to validate all or part of the STREAMER solutions should be the same.

3.3.1   Goals of the demonstration case

At the demonstration workshop(s) is part of the IC, the workshop(s) will have numerous topic threads:

- Focus & Content of the Demonstration Cases (and of the local IC). Covering one "hotel" and one "office" zone.

- o Policies for using shared structured asset information
- o Strategy for the phased refurbishment/replacement of key systems/fabric

- o Use of gas, heat and electricity energy monitoring
- o Choice of KPIs in evaluations

However, the first goal is to demonstrate to likeminded professionals in the healthcare field the perspective of the "Streamer enhanced" BIM approach.

The second goal is to exchange knowledge between the UK Streamer partners and other (UK) BIM expertise organizations. Based on the demonstration of the Streamer approach, it could show possible new (design) processes, new tools and (IFC) relations between these tools.

The third goal is to investigate different topics in an interactive way. One of the topics is "if the proposed design labels could be a good way to define different rooms in a hospital, and that this contributes to achieving the Streamer objectives/goals. During the workshop we would also like to make the levels within the labels more specific. This means giving real values to the levels within the different labels, if possible. This will be done based on a case study.

The fourth goal is to exploit the Streamer enhanced BIM concept, tools and approach.
What we would like to validate in the workshop is the current set of ideas about semantic labels as addition to a state of the art BIM driven design process.

3.3.2 Workshop set up and planning

The idea is to organize two workshops and have a "pre-workshop" that can be used as a kind of "dress rehearsal".

A possible approach could be to split the two workshops of possible invitees into a more technical group (workshop 1) and a likeminded professionals group (workshop 2). In this way we get two types of feedback that could help us to develop the Streamer project and to exploit the Streamer concept and tools.

Both the workshops will have morning and afternoon sessions.

The morning session of the first workshop is to introduce the Streamer project and its goals, as well as the partners involved in Streamer followed by a plenary session.
The afternoon session will look at the following:

- Context
  - Energy prices (gas, electricity, heat)
  - Discount rate (notional, may be zero).
- Scope
  - Assets (two, zones, systems, components, spaces)

- - level of (3D) detail
  - level of (attribute) information
- Analysis of base case
- Comparison of analysis with measured results from metering
- Alternative fabric/system Options Analysis and Results capture and prioritisation
  - Description
  - Cost and installation duration
  - Energy saving and expected life
  - Ranking by (say) discounted net present value (per square metre?)

The morning session of the second workshop starts again with a brief wrap up of the first workshop and the progress in the Streamer project between M 30 and M36. A plenary session, will follow in the afternoon will generate a final "method" paper, presentations and articles.

- **Other topics that could be deal with in the workshops**
  - Energy labels / Semantic Labels from WP1;
  - Monitoring;
  - KPIs;
  - Energy;
  - Rule checking (Design Validator as it checks whether the design fulfils the requirements – that consist of modelling 1) regulations, 2) best-practices and reference knowledge from the directive and 3) client / project specific requirements);
  - Semantic-design process model/flow (in relation with the tools/models tested);
  - Best practices / do's and don'ts;
  - PechaKucha Method, Fact Sheet, Booklet with explanations.

- **Organizers**

  TRFT will organize the workshops and will be supported by AEC3. Under discussion is the involvement of the NHS Sustainable Development Unit .

- **Location**

  The workshops will be organized to be held within TRFT premises. The Stakeholders will have the opportunity to physically visit the pilot site (Rotherham Hospital).

3.3.3 **Definition of Stakeholders to be attracted**

The participants should all be experts on one of the issues that will be covered in the workshops.
The list covers only UK parties. Based on the expertise of the participants, a selection of invitees will be made for the workshop.

- Principals

- Asset operators (Rotherham FM team), and neighbouring Hospital Trusts

- Brief database / software
    - Building modellers (AEC3)
    - Building simulators (BRE (SBEM) and IES (VE))

- Architects and advisors
    - Energy monitoring (Rotherham FM team and UtilityWise)

- Contractors

- Experts

3.3.4 Recommended dates and time for the events

Pre-demonstration	Test the relevance of the subjects and manner of organization of the workshops.	M26 November 2015
1	Showcase with exchange knowledge, general BIM standards, what is Streamer?	M30 March 2016
2	Showcase of Streamer project and tools, discussions about (application of) the design labels	M36 September 2016

3.4 Focus and Content of the Italian Demonstration case and Implementers Community

The following execution plan of the Italian demonstration and validation activity is mainly inspired by the Dutch corresponding proposal shown during the GA meeting in Rotherham: the pilot sites represent different case studies and there are different expectations regarding the benefits achievable from the final STREAMER results and tools but the methodology to validate all or part of the STREAMER solutions should be the same.

3.4.1 Goals of the demonstration case

As the demonstration workshop(s) could be part of the IC, the workshop(s) may have several goals.

The first one is to demonstrate to the Italian professionals and actors in the healthcare field the perspective off the "Streamer enhanced" BIM approach.

The second goal is to exchange knowledge between the Italian Streamer partners and other (Italian) BIM expertise organizations. Based on the demonstration of the Streamer approach, we could show possible new (design) processes, new tools and (IFC) relations between these tools. The development of the

functionality of the SACS system according to the STREAMER results is one of the main objectives AOC is working for.

The third goal is to investigate different topics in an interactive way. One of the topics is "if the proposed design labels could be a good way to define different rooms in a hospital, and that this contributes to achieving the Streamer objectives/goals. During the workshop we would also like to make the levels within the labels more specific. This means giving real values to the levels within the different labels, if possible. This will be done based on a case study.

The fourth goal is to exploit the Streamer enhanced BIM concept, tools and approach.

What we would like to validate in the workshop is the current set of ideas about semantic labels as addition to a state of the art BIM driven design process.

More specific:

- translation of expert knowledge into labels.
- using labels to validate a PoR, a new design or an existing situation.
- using labels to automate a PoR and design solutions for new build / renovation.

- **Workshop set up and planning**

  The idea is to organize two workshops and have a "pre-workshop" that can be used as a kind of "dress rehearsal".

  A possible approach could be to split up the group of possible invitees into a more technical group (workshop 1) and an application group (workshop 2). In this way we get two types of feedback that could help us to develop the Streamer project and to exploit the Streamer concept and tools.

  Both the workshops will have morning and afternoon sessions.

  The morning session of the first workshop is to introduce the Streamer project and its goals, as well as the partners involved in Streamer. A plenary session about the Streamer tools and design labels will follow in the afternoon.

  The morning session of the second workshop starts again with a brief wrap up of the first workshop and the progress in the Streamer project between M 30 and M36. A plenary session, using the design labels and adding value to the labels (levels) will follow in the afternoon.

- **Other topics that could be deal with in the workshops**
  - Energy labels / Semantic Labels from WP1;
  - Monitoring;
  - KPIs;
  - Energy;
  - Rule checking (Design Validator as it checks whether the design fulfils the requirements – that consist of modelling 1) regulations, 2) best-practices and reference knowledge from the directive and 3) client / project specific requirements);
  - Semantic-design process model/flow (in relation with the tools/models tested);
  - Best practices / do's and don'ts;
  - PechaKucha Method, Fact Sheet, Booklet with explanations.

- **Organizers**

  AOC will organize the workshops and will be supported by IAA and BEQ.

3.4.2 Definition of Stakeholders to be attracted

The participants should all be experts on one of the issues that will be covered in the workshops.

The list covers only Italian parties. Based on the expertise of the participants, a selection of invitees will be made for the workshop.

- **Principals**
  - AOC Azienda Ospedaliero-Universitaria Careggi
  - Azienda Ospedaliero-Universitaria Senese
  - Tuscany Regional Healthcare Service

- **Brief database / software**
  - Autodesk (Modula Informatica)
  - Cigraph
  - MasterClima

- **Architects and advisors**
  - IAA
  - BEQ
  - SIAIS
  - Politecnica
  - STS Servizi Tecnologie Sistemi
  - CSPE
  - Consilium

- **Contractors**
  - Loccioni
  - INSO

- **Experts**
  - University of Florence
  - University of Ferrara

3.4.3 Recommended dates and time for the events

Pre-demonstration	Test the relevance of the subjects and manner of organization of the workshops.	M 26 November 2015
1	Showcase with exchange knowledge, general BIM standards, what is Streamer?	M 30 March 2016
2	Showcase of Streamer project and tools, discussions about (application of) the design labels	M 36 September 2016

3.4.4 Communication and dissemination actions

Strongly connected with Task 8.2, communication and dissemination actions related to ICs activities will be carry on through:

- the Project Website (for sharing information and results among the partners);
- the Public website;
- the "news" section of the AOC website
  http://www.aou-careggi.toscana.it/internet/index.php?lang=it
- the IAA and BEQ website
  http://www.ipostudio.it/home.asp
  http://www.becquerel.it/index.php
- the publication of articles in professional/scientific journals;
- the presentation of the topics/results at seminars and conferences.

3.5 Focus and Content of the French Demonstration case and Implementers Community

3.5.1 Goals of the demonstration case

The main objectives of the French seminar would be to:

- Present the Streamer project and approach
- present the reason why AP-HP participates to this European program, why such project as Streamer can help the Institution and other healthcare districts to enhance their refurbishment projects or the construction of new buildings and what the main energy-related challenges in relations to AP-HP buildings are – they are vast and diversified (from both architectural, dilapidation or use points of view) and what have been done regarding energy topics so far within the Institution
- Present the tangible results of the project, especially through the French demonstration case : this simulation will have been developed through Streamer tools, guidelines and concepts.

3.5.2 Workshop set up and planning

We plan to organize one seminar that could be organized during one day, (the date of the workshop have to be clarified and in accordance with the Streamer project progress but should probably be held around month 38 - November 2016) with both morning and afternoon sessions. Both technical and "real-life application" sides will be

addressed so that we can have different constructive and relevant feedbacks from stakeholders with different backgrounds and opinions. It is important to note that the Streamer tools and guidelines will have to be finished and validated sufficiently early so that they can be used adequately for the seminar.

This seminar will be in French language.

A very draft agenda of this seminar could consist in:

- Presenting the Streamer project:
    - Organization
    - Main goals and deliverables of the different work packages
    - Interactions between the WP
    - Key figures
- Presenting the AP-HP context :
    - Key figures
    - Energy consumptions and costs (for electricity, gas and district heating) over the past 3 years (2013, 2014 and 2015)
    - Main difficulties AP-HP can face with: lots of old buildings which are very porous and energy consuming, the new buildings which consumes a lot of electricity, etc.
    - Why Streamer project can help AP-HP to improve the energy consumptions of buildings
- Presenting the AP-HP key realizations in terms of energy:
    - Implementation of an energy policy
    - Joint energy purchases
    - Construction of new energy-efficient buildings, etc.
- Presenting the Streamer results:
    - Of the different Work Packages
    - Zoom on the French demonstration case
        - Presentation of the Pitié Salpêtrière healthcare district and the Gaston Cordier building
        - Current situation of Gaston Cordier building in terms of energy consumptions
        - Practical application of the Streamer tools on the Gaston Cordier building and comparisons with the hypothetical new situation
- Conclusion and open discussion

3.5.3 Organizers

APH will organize the workshop and will be supported by BOU, CEA and CSTB.

3.5.4 Definition of Stakeholders to be attracted

The participants have to be experts on at least one of the issues that will be covered in the workshop and could group together:

Principals

- AP-HP
    - Representatives of the 40 hospitals of the Institution – site Directors, Investments Directors, medical attendants, etc.
- Representatives of the 31 other university public hospitals in France (Lyon, Marseille, Toulouse, Nice, etc.)
- representatives of other public hospitals in Paris area
- representatives of non-profit private hospitals

Architects

- Brunet Saunier
- AIA

Contractors

- Bouygues
- Vinci
- Eiffage
- EGIS
- Ingerop

Experts

- CSTB
- CEA

Other

- French Agency for Environment and Energy Management
- Public authorities of Paris
- Other hospitals already involved in BIM projects (Ajaccio, Moulin, etc.)
- Sustainability Committee for Health Sector
- Engineering and Architectural Committee
- Performance Support National Agency for Healthcare facilities
- French Hospital Federation
- French Hospital Engineers Association

4. Communication about the IC

4.1 Communication and dissemination actions

Strongly connected with Task 8.2, communication and dissemination actions related to ICs activities will be executed via:

- the Project Website (for sharing information and results among the partners);
- the Public website;
- The individual local IC websites.
- Partners websites (with specific interest in exploiting STREAMER results)
- the publication of articles in professional/scientific journals;
- the presentation of the topics/results at seminars and conferences.

The events shall be announced and recorded in the even information sheets (appendix 3 and 4) and reported to the workpackage leader by the individual IC, following the projects communication and dissemination strategy. The minutes of the workshop(s) will be submitted as documentation of the D7.2 deliverable (M42).

The Streamer website which currently has a provisional page about the IC should be filled and more information about the local events, be made available on the individual hospital's website. As most activities are planned for March 2016, it is likely to be announced in the autumn of 2015.

As most local ICs have already prepared a topic list and list of potential parties to invite, the announcement of these events can already be started and invitations to join the communities should be sent to (friendly) stakeholders by each of the local IC coordinators.

On the IC website (as part of the Streamer website) a provisional date and agenda of each demonstration day should be posted. This page should be linked to other pages on local websites (in local languages). TNO will discuss with DEMO, MAE and the local ICs how to set this up, using the website as a central portal. A template for an initial news item was created in Annex 2, and we invite the local ICs to put their input and expand in this template.

The coordinators of the IC should make a registry of stakeholders where contact information, local IC and other interest are registered.

Stakeholders are actively invited to join and are encouraged to register for the demonstration days. One could think that they are interested in specific programmes/demonstrations (that are programmed for the demonstration days) or that they might have questions to ask to each of the ICs. The website should allow for this.

After each event minutes or a short report with an impression of the event could be displayed on the central STREAMER IC-website. This could be achieved by appointing a 'rapporteur' for each IC who will translate the topics and results of the IC and share it with the other ICs. More specifically, if partners would like to exploit parts of the STREAMER knowledge, more specific feedback will need to be arranged.

It is assumed that directly after the event, more (public) information is made available after the demonstration day and a follow up with stakeholders is planned (based on feedback, specific questions or interests). The follow up is needed in order to prolong the engagement between Streamer and these stakeholders.

4.2   Managing the IC results & feeding the Exploitation plan

During the setup of the ICs it is expected that partners that have a wish to exploit parts of the STREAMER knowledge, tools or other results, will have the opportunity to participate in the local ICs. An invitation to all STREAMER partners has been sent out, asking them to liaise between their organization and the local ICs.

In order to further facilitate the process of exchanging ideas about the content and possible assistance in the preparation and execution of the local IC. The plans and topics for the events will need to be shared beforehand between all partners. This deliverable is the start of this process.

Specific invitations (for specific events) could be sent to those stakeholders that have been identified by task 8.2 (exploitation and IPR). During the preparation of the IC, a close link should be made to the exploitation and IPR plan in order to attract the right kind of stakeholders.

If partners can not be available during all events, or language is a problem during the ICs, it is important that feedback is organized from the local IC meeting, as to retrieve information from the external stakeholders that is of interest to these partners. Again contacts between partners wishing to explore and exploit STREAMER knowledge and the local ICs will need to be strengthened.

4.3   Interdependencies between ICs and with other WP's

Close links are needed between WP7 and WP8 in order to be able to demonstrate the contributions that are needed between the progress of the demonstration cases and the content of these demonstration days. As the local ICs are managed locally by contact persons from the individual hospitals, it is to be expected that this will not be a problem.

APPENDIX 1 – Potential Invited partners

Participants	BIM Innovations	BIM –design & realization projects	BIM in operation phase
Principals			
Rijnstate Arnhem			
Slingeland Doetinchem			
Meander Amersfoort			
RadboudUMC			
LUMC			
Brief database / software			
DEMO Consultants			
DRufus			
VABI Elements			
BINK			
ICOP			
Autodesk			
Ultimo			
Sefaira			
IES			
CAD & Company			
Oadis			
Archibus			
Kubus			
Architects & Advisors			
DJGA			
DWA			
EGM			
UN Studio			
Vintis			
Techniplan			
Deerns			
Venhoeven CS			

Contractors			
Cofely			
BAM			
Kuijpers Installaties			
Philips			
Unica			
Plegt-Vos			
Heijmans			
Experts			
TNO			
UTwente			
TU Eindhoven			
Universiteit Groningen			
Rijksvastgoedbedrijf			
ASML			
TU Delft			

APPENDIX 2 – IC page news item template

Local IC name:
Date of event (time+ location):
Short description of event (if possible agenda (& language))
Target group of event
Why should you come?
Link to landing page event on local website
Contact information; (e-mail/telephone)

Local IC name: Italian Streamer Implementers Community
Date of event (time+ location):   November 2015 – AOUC Firenze (to be defined the exact date)
Short description of event (if possible agenda (& language))   Pre-demonstration workshop. Test the relevance of the subjects and manner of organization of the workshops.   Agenda to be defined. Language: Italian
Target group of event: To be defined
Why should you come?   To express your interest and expectations as stakeholder.
Link to landing page event on local website   To be included inside http://www.aou-careggi.toscana.it/internet/index.php?lang=it#
Contact information; (e-mail/telephone)   Beatrice Turillazzi tll@unife.it

APPENDIX 3 EVENT ANNOUNCEMENT SHEET

Partner	Event (and place)	Name of the author/presenter/ key people involved	Date	WP and task number	Type of activities	Comments

APPENDIX 4 EVENT INFORMATION SHEET

Event information sheet

Main leader: **name of the partner responsible**

WP number: relevant WP number

Task number: relevant task number.

Name of the event/title: precise title (with English translation, if needed)

Type of activities:
- ☐ publication ☐ scientific (peer reviewed) publication
- ☐ workshop ☐ web ☐ press releasess ☐ flyers
- ☐ atricle published in a popular press ☐ conference ☐ video
- ☐ media briefings ☐ presentation ☐ exhibition
- ☐ thesis ☐ interview ☐ film ☐ TV clip ☐ poster
- ☐ other - seminar ☐ other-conference paper ☐ other-congress
- ☐ other - leaflet ☐ other - newsletter ☐ other - post
- ☐ other - brochure ☐ other - training

Date: dd/mm/yyyy

Place (venue): city, country

Size of audience (participants): number of participants

Type of audience:
- ☐ Scientific community (higher eduacation, research)
- ☐ industry
- ☐ civil society ☐ policy makers ☐ medias
- ☐ other

Represented sector: **write more information about the** type of sectors represented

Country addressed: fill in with the names of the countries

Event dimension: ☐ local ☐ regional ☐ national ☐ European

Dissemination means: **describe in addition/with reference to chosen type/s of activities,** your role at the event: speaker, poster presentation etc.

Event description: short description of the event

Webpage: www.nameoftheevent.eu

Photos: please insert the photo by clicking the icon in the middle of the field
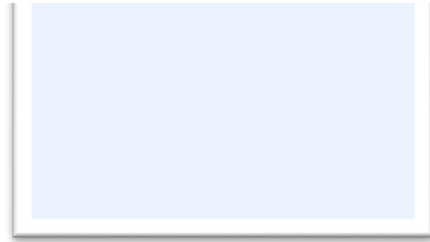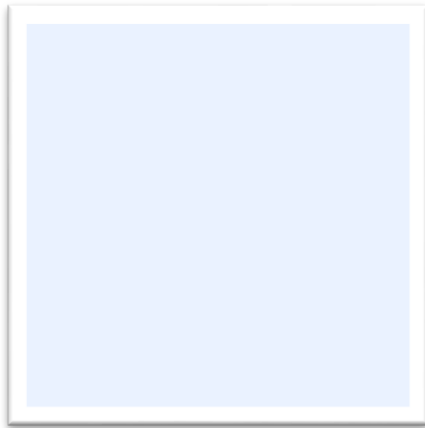
Attachments: fill in to all email attachments.

Name of the attachment	Language	To be placed on the public Streamer web	If "yes" choose the research result section
☐ **publication**		☐ yes ☐ no	Choose where to place.
☐ **scientific (peer review) publication**		☐ yes ☐ no	Choose where to place
☐ **workshop papers**		☐ yes ☐ no	Choose where to place.
☐ **press releases**		☐ yes ☐ no	Choose where to place
☐ **flyers**		☐ yes ☐ no	Choose where to place .
☐ **article published in a popular press**		☐ yes ☐ no	Choose where to place.
☐ **conference papers**		☐ yes ☐ no	Choose where to place.
☐ **video**		☐ yes ☐ no	Choose where to place.

□ **media briefings**		□ yes □ no	Choose where to place
□ **presentation**		□ yes □ no	Choose where to place
□ **Thesis**		□ yes □ no	Choose where to place
□ **interview**		□ yes □ no	Choose where to place
□ **film**		□ yes □ no	Choose where to place
□ **tv clip**		□ yes □ no	Choose where to place
□ **poster**		□ yes □ no	Choose where to place
□ **seminar papers**		□ yes □ no	Choose where to place
□ **congress papers**		□ yes □ no	Choose where to place
□ **leaflet**		□ yes □ no	Choose where to place
□ **newsletter**		□ yes □ no	Choose where to place
□ **post**		□ yes □ no	Choose where to place

			Choose where to place
☐ **brochure**		☐ yes ☐ no	
☐ **training papers**		☐ yes ☐ no	

Press releases: copies of articles/releases or internet links with materials

Other attachments: additional materials related to the event

Comments:

REMEMBER ! – IF YOU MARKED/CLICKED SCIENTIFIC PUBLICATION FILL IN THE SEPARATE TABEL (LIST)