



## D8.5.2 Report on Cluster Activities

Authors: TIE (lead)

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This deliverable provides the feedback report on the cluster activities performed with the Future Internet Enterprise Systems (FIeS) cluster. To complement this, the wider collaboration activities are also reported upon to ensure that the actions on either area are documented.

This report covers the activity of Year 1 and the planning for Year 2. The document should be perceived as a living document.



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<b>Contributions</b>	TIE - Stuart Campbell TUDA - Dieter Schuller - Ronny Hans INESC - Filipe Ferrreira - Americo Azevedo ASC - Tim Dellas - Sven Abels UVI - Jurgen Mangler UVA - Ahm Shamsuzzoha
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ANNEX A: Accompanying information

NB: For the Enterprise Interoperability Collaboration and Dissemination plan the numbers represent index identifiers for the specific tasks identified in D8.5.1(a).

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## Executive Summary

This deliverable provides the feedback report on cluster and collaboration activities performed in the context of the Future Internet Enterprise Systems (FInES) cluster as well as collaboration activities.

This document is a result from document D8.5.1 (“Dissemination Strategy and EI Cluster collaboration Plan”) which presented an overall dissemination and project collaboration strategy/plan that focused upon several areas including collaboration. The areas documented herein, are those from that document which are classified as those under the ‘coordination’ of the collaboration manager although in many cases other partners have specific responsibilities and are involved. Note that D8.5.2 is not a follow-on document for D8.5.1 despite the numerical sequence.

This document is also linked to summary updates of the D8.5.1 planning document and at M12 this has been published as D8.5.1b for these actions related to collaboration and clustering activities. It also relates to the D8.3.x series of deliverables relating to dissemination.

This report covers the activity of Year 1 and the planning for Year 2/3 where applicable, although the document should be perceived as a living document.

To date, the clustering and collaboration activities have been focused on:

- Attendance at all FInES cluster collaboration sessions
- Invited participation in FInES roadmap review (only new project invited)
- Attendance at specific Factory of the Future Workshops
- Individual contacts with other FInES Projects and RTD regional projects
- Proposition to form a mini-cluster focused on FInES projects ADVENTURE and PREMANUS

In terms of planning the focus will be on:

- Mini-cluster
- FInES expectations following the EU reorganisation
- Interproject cooperations

# 1 Introduction

ADVENTURE – ADaptive Virtual ENterprise manufacTURING Environment – is a project funded in the Seventh Framework Programme by the European Commission. ADVENTURE creates a framework that enhances the collaboration between suppliers, manufacturers and customers for industrial products and services. Within this deliverable the project cluster and extended collaboration strategy/plan is presented.

## 1.1 ADVENTURE Project Aims

The framework proposed by ADVENTURE provides mechanisms and tools that facilitate the creation and operation of manufacturing processes in a modular way. ADVENTURE combines the power of individual factories to achieve complex manufacturing processes. It provides tools for partner-finding, process creation, process optimization, information exchange as well as real-time monitoring combined with the tracking of goods and linking them to Cloud services.

There have already been several research projects that address the combination of different independent manufacturers to so-called virtual factories. Most of these research projects focus primarily on the business-side in general and on aspects like partner-finding and factory-building processes in special. However no proven tools or technologies exist in the market that provide the creation of virtual factories applying end-to-end integrated Information and Communication Technology (ICT). ADVENTURE is aiming to provide such tools and processes that will help to facilitate information exchange between factories and move beyond the boundaries of the individual enterprises involved. The collaborative manufacturing process will be optimised by enabling the integration of factory selection, forecasting, monitoring, and collaboration during runtime.

ADVENTURE builds on concepts and methods of Service-oriented Computing and benefits from the advancements in this field. The monitoring and governance of the collaborative processes will be supported by technologies from the Internet of Things such as wireless sensors. Existing tools and services that can be integrated will be considered during the development of the platform for ADVENTURE.

The increased degree of flexibility provided through ADVENTURE will benefit SMEs especially as it helps them to react quickly to changes and to participate in larger, cross-organizational manufacturing processes. Furthermore, ADVENTURE will help manufacturers in assessing the environmental friendliness of actual manufacturing processes and resulting products and services. Other objectives of ADVENTURE include research in areas such as service-based manufacturing processes, adaptive process management, process compliance, and end-to-end-integration of ICT solutions.

## 1.2 Deliverable Purpose, Scope and Context

The purpose of this deliverable is to provide the feedback report on collaboration activities performed with the Future Internet Enterprise Systems (FIInES) cluster. To complement this, the wider collaboration activities are also reported upon to ensure that the actions on either area are documented.

This report covers the activity of Year 1 and the planning for Year 2/3. However, the document should be perceived as a living document.

As mentioned in D8.5.1 (also referred to as D8.5.1a for clarity), the project wishes to inform and inspire other researchers and potential users of the ADVENTURE platform by disseminating the project results. As part of the dissemination strategy ADVENTURE wants to establish feedback loops and involve potential users, early adopters and technologists right from the beginning of the project.

The project wants to contribute to other projects with the goal of building networks and showing that the ADVENTURE platform is useable and easy to integrate. The project wants to share the relevance of its developed concepts and convince users to utilize the platform.

The report is derived from document D8.5.1a (“Dissemination Strategy and EI Cluster collaboration Plan”) which presented an overall dissemination and project collaboration strategy/plan. It is also linked to summary updates of this planning document and in this period this is the M12 updated D8.5.1b.

This document, D8.5.2, is not a continuation of D8.5.1 but takes from it the subset of templates dealing with collaboration and updates these with the action having taken place in the entire M1-M12 period. A parallel series of documents, D8.3.1-3, focus on the Dissemination reporting per project year.

All activities are reported according to the standardized templates first presented in D8.5.1.

### 1.3 Document Status

This document is listed in the DOW as ‘public’ since collaboration by definition is to the wider, generally ‘public’, audience.

### 1.4 Target Audience

Despite the public nature of the document, the target audience is largely internal to the project, since it is a planning and results document. However, obviously the real target of this plan and individual actions of this document are the wider scientific, industrial and general audience who can be perceived as ADVENTURE collaborators or potential collaborators and who it is hoped have or will take an interest in the project.

The focus of ADVENTURE is to maximize future exploitation opportunities in the manufacturing sectors, especially for SMEs. Thus the main collaboration target of the project and audience of this document is any activity, particularly within the EU Commission research sphere, in which collaboration can be of benefit. It is broadly perceived that such collaboration would be mutual, but in some instances ADVENTURE could be simply the recipient, or provider, of information/materials which can advance or accelerate the project's aims and delivery.

### 1.5 Abbreviations and General Terms

A definition of general, common terms and roles related to the realization of ADVENTURE as well as a list of abbreviations is available in the supplementary document “Supplement: Abbreviations and General Terms” which is provided in addition to this deliverable.

Further information can be found at: <http://www.fp7-adventure.eu/glossary>.

## 1.6 Document Structure

This deliverable is broken down into the following sections:

**Section 1** provides an introduction for this Deliverable outlining the scope, audience and the structure of the Deliverable.

**Section 2** reiterates the overall cluster/collaboration strategy with different phases including the responsibility, metrics, target users, purpose and nature of dissemination, etc. and as originally and more fully detailed in D8.5.1.

**Section 3** specifically focuses on EU collaboration and clustering activity.

**Section 4** elaborates different collaboration plans including various items and their current status.

**Section 5** concludes the document.

**Annex A** provides supporting details to Section 4.

## 2 Strategy

### 2.1 What is Collaboration and Clustering?

Collaboration and Clustering among different initiatives is the best way to optimise resources. It allows all the collaborators to take profit from the common efforts whilst at the same time the project results are spread in more events than those only organised by the ADVENTURE partners.

In the context of the ADVENTURE project, Enterprise Interoperability (EI) Collaboration (i.e. cooperation with other projects/activities in the same domain) plays an important role. To fulfil with the expectations for such role, an EI Collaboration plan must be settled, so that the different collaborative activities are perfectly composed and orchestrated to reach the maximum profit for every collaborator.

The first steps to establish the EI Collaboration Plan is to get information about the different clusters and/or forums already established which reach the target audience ADVENTURE is targeting. Some of these clusters could be the Future Internet Enterprise Systems Cluster, FInES, or for example, the European Technology Platform dedicated to Software and Services, NESSI. These two clusters reach different, and compatible, target audiences where ADVENTURE partners can look for collaborative opportunities.

In short, to enable ADVENTURE collaboration means “to spread the correct message and engage with the correct audience in an effective way”. Thus, the collaboration activity can heavily reutilise, results of Tasks T8.2 (Promotion/Material) and T8.3 (Dissemination and workshops) as well as the results of all project deliverables and resource expertise.

### 2.2 Phases

As mentioned in D8.5.1, all dissemination and collaboration activities have to be planned. Regarding the project milestones and the expected outcome, the strategy will be based on a three phase model which is shown in the diagram below. It can clearly be seen that the phases are overlapping and partially parallel and many activities fall across the boundaries – for example inter-project activity sharing may only come after some activities for dissemination and awareness building, in order to attract the intended audience.

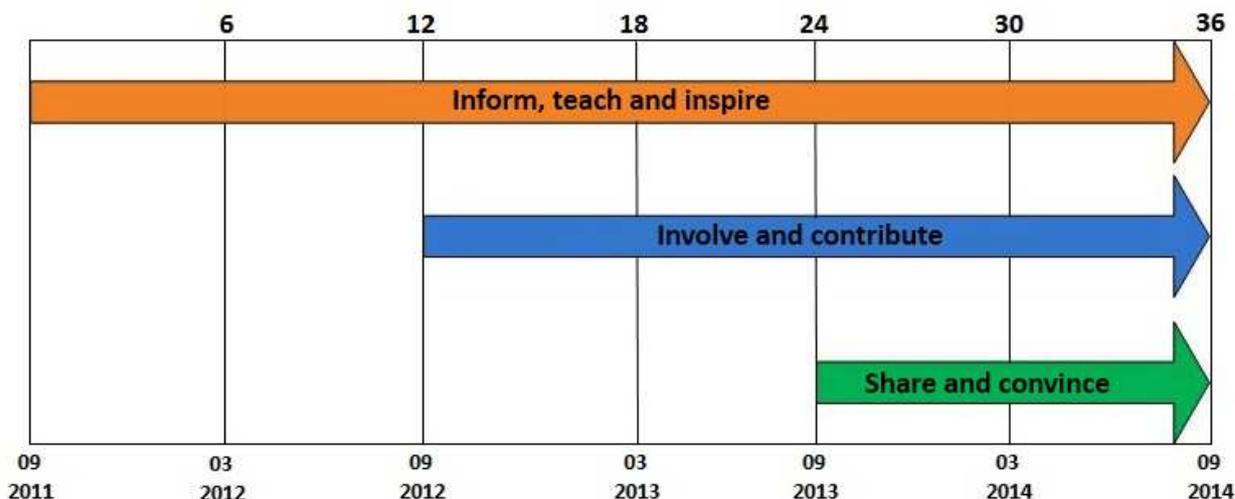


Figure 1: Dissemination and Collaboration Phases

**2.2.1 Phase 1: Inform, Teach and Inspire (ITI)**

This phase will concentrate on communicating the project objectives, concepts and specifications as well as research findings. Furthermore, the participants (early adopters, technology personnel, etc.) of the intended communities have to be invited and inspired.

Primarily, this phase sets out what a party like ADVENTURE intends to achieve. Thus it is prior to collaboration since only with information and inspiration in place can goals be clearly communicated and understood by the other parties. It should be noted that during, and at the end of project Year one, only this phase is active.

This document version, version I, is primarily orientated on this phase.

**2.2.2 Phase 2: Involve and Contribute (IAC)**

The second phase, starting in year two, aims to gather feedback from users and to establish cooperation and collaboration with other projects. This includes, for example, the FOF-PPP range of projects, and those linked to the FInES cluster as well as the FInES cluster itself.

To provide ready-to-use examples and components in an easy and comprehensive way helps to get feedback from the wider community. Of course, such items, like samples, should be available for potential end users too. It is also important to provide light-weight feedback channels such as taking advantage of social media mechanisms. Similarly, the project will contribute its ideas, where relevant, to other activities/projects which may have some similarity to ADVENTURE. For example the CREATE project, as listed in the annex, in ITEA2 has significant overlaps.

There will be some preparation of the IAC-phase during the first year (e.g. awareness of the project to other projects) since its concepts do overlap with the ITI phase, but primarily, the real activity will start as the first results are available and the technical direction of the project is clear. These activities will continue until the end of the project. The dissemination efforts will be focused on providing use cases, samples and feedback channels to both commercial organisations as well as academia.

As such, this ties very much in with the practice of ADVENTURE where there was some (limited) collaboration performed in Year I but the real activity will be in Year II and III.

This document version starts to identify planning for this phase – e.g. the mini-clustering approach

### 2.2.3 Phase 3: Sharing and Convincing (SAC)

The third phase will focus on the sharing of achieved results and the convincing of industrial end users to build their own applications using the ADVENTURE platform. The “Share and Convince” phase is performed in the last half year of the project. The success of these dissemination efforts depends on stable results of the project.

As such, technical collaboration typified in research projects tails off as the results are achieved. Then, post project, there can be further collaboration activities (for Marketing Technical work) but this is outside the scope of the project and deliverable.

This document version does not cover this phase.

## 2.3 Purpose and Nature of Dissemination/Collaboration

The project strategy is considering several ICT communities (both academic and industrial), when promoting the visibility, quality, and adoption of the project results. These are also more encompassingly discussed in D8.5.1 but in terms of collaboration, they can be described as follows:

- **Visibility** - Broadcasted among several targeted communities
- **Quality** - Targets to participate in different clusters such as FInES, ETPs (NESSI) and foster exchange with other EU research projects (e.g. OMELETTE in Objective 1.2, PREMANUS in the same cluster). Such collaborations can also be extended further with respect to a non-research domain (e.g. open source projects), European standardization bodies (e.g. CEN), EU user groups, with third parties (e.g. research organizations, public administrations, commercial organizations, non-profit organizations), etc.
- **Adoption** - All consortium members allocate resources towards encouraging members of related communities and projects to become familiar with the tools and methodologies developed. Of particular relevance is the EU clustering activities, particularly via FInES whereby there can be two-way possibilities on the adoption of each projects ideas and concepts.

## 2.4 Responsibility

The overall strategy focuses on putting the approach of Section 2.2 into practice across the target areas formed from the overlap of the main technologies supporting the project, and the potential academic and industrial audiences of these technical fields. The implementation of the strategy will be led by the Collaboration Manager (Stuart Campbell, TIE) with TANet as lead of WP8 overseeing this process. The Collaboration Manager will monitor interaction activities with other similar projects, primarily related to the Enterprise Interoperability cluster (FInES related) projects. This will also involve engaging directly with FInES related cross-project activities such as road-mapping, technology watch, etc.

In addition, all other ADVENTURE partners, except Azevedos, have resources within T8.5 (Collaboration with other projects and cluster) and T8.4 (Policy and Social impact) which partly relates to this, and have or are expected to contribute to this activity.

## 2.5 Metrics

Within the DOW, the project set itself the objectives below related to collaboration. Alongside is also identified their status at the end of each year. It can be seen that the project is on track. Details to support these statements can be found in the templates of Section 4. Note that “NYD” infers “Not Yet Due”.

Table 1: Metrics

Objective	Tasks	Party	Year I	Year II	Year III
2 meetings per year with other projects	T8.5	TANet	No formal meetings have taken place, but there has been a presentation of PREMANUS at ADVENTURE (and vice versa). Now that the direction of ADVENTURE is clearer, this will undoubtedly take place in year 2 hopefully under the banner of a “mini-cluster”	NYD	NYD
Participation in 3-4 meetings in FInES cluster events	T8.5	TIE / TANet	Attendance of the following with 1-3 members of ADVENTURE partners (i.e. All FInES meetings that took place) <ul style="list-style-type: none"> <li>•Oct’11 Brussels – Roadmap</li> <li>•Dec’11 Brussels – General</li> <li>•March’11 Brussels – General</li> <li>•May’11 Brussels – General</li> <li>•June’12 Aarhus – General</li> </ul>	NYD	NYD
Contribution to FInES roadmap (where applicable)	T8.4	TIE	Part of review team and in fact the only new project invited	NYD	NYD
Contribution to FInES Cluster book (where applicable)	T8.5	TANet	Void (book contributions phase was completed before ADVENTURE ramped up)	NYD	NYD
Engagement of 4 external domain experts /	T1.1	TUDA	To be performed in Year 2	NYD	NYD

## 3 Collaboration and Clustering

### 3.1 Preamble

At the end of Year one, only FInES Clustering is perceived relevant to ADVENTURE. Due to the reorganisation of the commission as at July 2012, it is unclear if this will be changed (increased, decreased or eliminated) and/or that other clustering activities/groups may be expected.

### 3.2 FInES Clustering

#### 3.2.1 General Notes

The FInES clustering activity is an important point for ADVENTURE and is covered by T8.5 and to an extent by T8.4. TIE (Collaboration Manager) and TANet are the ADVENTURE primary participants for the activity, and as can be seen later on individual action grids, have already participated actively at all events.

ADVENTURE was part of the September 2011 launch of projects, and for a new project, it has engaged fairly actively in FInES as seen by the metrics stated before (Table 1) – for example being part of the roadmap review committee as well as attending all organised events.

On the other hand, with the exception of TANet personnel, and to a lesser extent INESC personnel, there was little previous cross over and contacts with FInES before the project start. FInES has already been operating for some time and this made additional solid contribution difficult – for example the Roadmap was largely complete and the new projects could hardly contribute to a book when they had not been in operation to deliver results to it. Finally, all the new projects have had to 'find their feet' with clear deliverables and focus to be able to solidly contribute.

Thus it is fair to say that perhaps only in Year Two will practical clustering really start.

#### 3.2.2 Specific Responsibilities

Beyond this participation, FInES management invited all relevant projects to state how they would participate and what their interest would be in the cluster, to ensure a wide engagement with all project partners, for example, in the collaboration/task force contributions and the FInES social network actions.

The initial ADVENTURE participation is identified below and has been derived from the FInES Task Forces/Groups identified in December 2011 illustrating which ADVENTURE partners could contribute to which topic. Note that some task forces had low/no relevance to the project.

Table 2: FInES Task Force Participation

**Key:**

	Not so relevant for partners
	Interested and subscribed
	Driving partner within project

TASK FORCES	TUDA	ASC	TIE	INESC	UVA	UVI	ISOFT	TANet	AZEV	ABB
Business Values, Business Scenarios and Business Models (re-visited) Task Force										
Collaborative Networks Task Force										
Communication Task Force										
Contribution of FInES Research to the Digital Agenda Task Force										
Inter-relation between FInES Research and Standards and Standardisation Task Force	Considered as not so relevant scope of ADVENTURE									
FInES Architectural Design Principles										
FInES Research Exploitation and Impact Creation Task Force										
FInES Research Roadmap Task Force										
Going Global: The International Dimension of FInES Research and International Cooperation Task Force	Considered as not so relevant scope of ADVENTURE									
Manufacture and Industry Task Force										
"Scientific Publication" Task Force										
SMEs in the Future Internet Task Force										
Technology watch and FET Task Force										
The Internet as a Universal Business System and ISU Re-visited Task Force	Considered as not so relevant scope of ADVENTURE									

In addition collaboration actions were also suggested in terms of linked-in communities; here the ADVENTURE participation is as follows:

Table 3: FInES Collaboration Group Participation

**Key:**

AV=Attend December FInES and Virtual Group

V=Virtual Group

COLLABORATION GROUPS	TUDA	ASC	TIE	INESC	UVA	UVI	ISOFT	TANet	AZEV	ABB
Business modelling and service composition		V								
Distributed, adaptive and interoperable virtual enterprises				AV	V					
Knowledge value generation		V								
Future manufacturing					V			AV		
SME Support							V			
From Research to Market, translating innovation into products & services										
Technologies, standards, methodologies, engineering and interfaces			AV							

For both these aspects the ADVENTURE partner's contact are as follows:

Table 4: FInES Contact Points in ADVENTURE

Partner	Name	Email
TUDA	Dieter Schuller	dieter.schuller@kom.tu-darmstadt.de
ASC	Sven Abels	abels@ascora.de
TIE	Stuart Campbell	stuart.campbell@TIEHolding.com
INESC	Americo Azevedo	ala@fe.up.pt
UVA	Ahm Shamsuzzoha	ahm.shamsuzzoha@uwasa.fi
UVI	Juergen Mangler	juergen.mangler@univie.ac.at
ISOFT	Irena Pavlova	irena.pavlova@isoft-technology.com
TANet	Gash Bhullar	gbhullar@control2k.co.uk
AZEV	Tiago Gomes	tiago@azevedosindustria.com
ABB	Harri Ronnholm	harri.ronnholm@fi.abb.com

### 3.2.3 General Results Achieved

In the first few months of ADVENTURE activity, which corresponded with the first FInES meetings, the project was still “finding its feet” and establishing internal cohesion which made practical discussion difficult. However, as ADVENTURE started ramping up with the delivery of more tangible results in M6-M12 (e.g. Requirements, Architecture, Functional Specification, etc.) then, even though these results were paper based, the project was much more in a position to contribute during mid 2012 than it was at the start of the year. However, then the EU announced its general reorganisation including the redistribution of leading personnel. Thus, in reality, since June little has happened in FInES, and there has been an air of uncertainty to its continuity.

Fortunately as the EU's new organisation has been settled, an invitation was sent out to facilitate a tasks leads session in October – TIE is part of this as leader of the technology watch tasks force. Thus, the FInES potential activity will become clearer after October and future actions, if any, can be determined.

There were also some contributions to the Linked-In social groups. However, as there was no stimulation or moderation on there has been little traffic with the exception of adverts for workshop or conferences. Thus essentially the overall impression, succinctly put by one ADVENTURE member is that “the group is dead, and as such, there is literally nothing to interact with”. It is perceived that this is a shared view with other projects particularly the new batch of projects. As such in terms of these types of discussion no further actions will take place here unless by a partners own interest and/or until the FInES ‘system’ reinvigorates this aspect.

ADVENTURE believe these forums could be of benefit and would thus offer the recommendations to add a person responsible to post new questions and discussion topics at least every 3 weeks from the EU or the supporting coordination action.

### 3.2.4 Specific Activities

In terms of the FInES meetings ADVENTURE attended the focus was as follows:

#### *Meeting in October 2011*

<b>Date/Location</b>	Belgium, Brussels, October, 2011.
<b>What</b>	FInES meeting orientated to new project introduction between themselves and to existing projects.
<b>Attendees</b>	TIE and TANet
<b>Actions</b>	The ADVENTURE project was presented to all the participants and distributed flyers at the event even at this early stage.
<b>Results</b>	As the projects had just started the detailed collaboration opportunities were unclear so mainly it was just a networking and familiarisation session.

**Meeting in December 2011**

<b>Date/Location</b>	Belgium, Brussels, December, 2011.
<b>What</b>	FInES meeting objectives were to look for synergies and cooperation activities between the other cluster projects, for task force meetings and to introduce the social collaboration aspects.
<b>Attendees</b>	TIE
<b>Actions</b>	“Participation” in the Technology Watch task force (which TIE leads under the auspices of the ADVENTURE project) and general sessions.
<b>Results</b>	Again mainly a familiarisation opportunity since at this stage ADVENTURE had only had one or two plenaries (one shortly before) and were still working on vision cohesion and requirements.

**Meeting in March, 2012.**

<b>Date/Location</b>	Belgium, Brussels, March, 2012.
<b>What</b>	There were 4 parallel collaborative sessions with the objective to find concrete collaboration opportunities: <ul style="list-style-type: none"> <li>• G1 - Business Modeling and Service Composition with an orientation towards Research-to-market</li> <li>• G2 - Distributed, Adaptive and Interoperable Virtual Enterprises</li> <li>• G3 - Knowledge Value Generation</li> <li>• G4 - Future manufacturing</li> </ul>
<b>Attendees</b>	TIE
<b>Actions</b>	Leading discussion in the G2 session on “Distributed, Adaptive and Interoperable Virtual Enterprises”. A consolidation exercise was setup between the projects to try to detail the complementarities so the cross cooperation could be examined from that perspective. All the group were favourable to this approach since they found the general EU push of collaborating on commonalities was counterproductive since it brought up issues ranging from IPR to simply the nature of projects competing with different technical solutions. On the other hand a complementarily based approach was more positive since instead of raising issues it would incite projects to expand where there was interest. This activity was led by TIE but the feedback from some projects was slow.
<b>Results</b>	The EU restructuring brought great uncertainty to general FInES activities/continuation so it has not progressed further at this stage. There appears to be a ‘relaunch’ of FInES planned in October with the new head-of-unit so perhaps if a strong continuation signal is given, this exercise can be restarted.  However, on a more positive note the idea of a mini-cluster was created which is detailed in Section 3.2.5.

***Meeting in May, 2012 - FInES.***

<b>Date/Location</b>	Belgium, Brussels, May, 2012.
<b>What</b>	Mainly a 'goodbye' session from EU personnel due to the changes in EU organisation. Accompanied by presentations from the gaming community with a view to how FInES can learn from them.
<b>Attendees</b>	TIE
<b>Actions</b>	None
<b>Results</b>	It has to be mentioned that this was not an overly productive session

***Meeting in May, 2012 - FoF.***

<b>Date/Location</b>	Belgium, Brussels, May, 2012.
<b>What</b>	The session was aimed to foster links between projects of similar scope but in the wider FoF context.
<b>Attendees</b>	TIE, INESC
<b>Actions</b>	Participants are asked to give a 5-min presentation of their project addressing the following question: How will our project achieve societal and economic impact? (Innovation aspects, exploitation intentions, PPP added-value). <ul style="list-style-type: none"> <li>• General: TAPAS</li> <li>• Smart Factories (FoF-ICT 2009 Call): ActionPlanT, ROBOFOOT</li> <li>• Virtual Factories (FoF-ICT 2010 Call): PREMANUS, VENIS, ADVENTURE, BIVÉE, IMAGINE, COMVANTAGE, MSEE, EPES</li> </ul>
<b>Results</b>	Mainly a FoF networking session with no specific results

***Meeting in June 2012.***

<b>Date/Location</b>	Denmark, Aarhus, June, 2012.
<b>What</b>	A 'future of FInES' side meeting at the Future Internet event
<b>Attendees</b>	TANet
<b>Actions</b>	EU Information session
<b>Results</b>	No results (EU Information session)

### 3.3 MiniCluster

Initiated by partner TIE's commonality in both projects ADVENTURE and PREMANUS, as well as the discussion between projects regarding commonality and complementarity in task force G2 of the FInES March meeting, it has been put forward to form a so-called 'mini-cluster' initially of PREMANUS and ADVENTURE but with the provisional interest of 2, possibly 3, including the further partners/projects listed below:

- LinkedDesign: FoF project running in same time-frame and who is working with information about products. Common partner: SAP (PREMANUS) and POLIMI (PREMANUS).
- Res-Com: Res-Com is funded by the Germany Ministry for Education and Research. It is looking at sharing product information across companies for aftermarket services. Common partner: SAP (PREMANUS).
- One more project linked with ADVENTURE which is currently under discussion.

In terms of mini-clustering, this approach is proposed since the 'full' cluster approach are too broad bringing the following negatives:

- Too wide topics meaning that the focus of each project is unclear
- There can be commonality of concepts but commonality of partners is needed to really make a success
- It can link activities where partners/projects want to cooperate rather than be pushed for cooperation simply since they are pushed to do so.

In terms of the next steps the plan is to put together some form of concrete mini-cluster cooperation plan which can be agreed by the relevant projects, and then to look at some practical way of cooperating. It is hoped this can be done towards the end of 2012 once the ADVENTURE and PREMANUS project reviews have taken place.

### 3.4 Specific Project Collaboration

Through one of the actions identified in section 4.4, the partnership has investigated what other RTD projects, focusing on the FInES cluster projects, which maybe relevant to ADVENTURE and applicable for a closer relationship. The project has also considered a focused and practical way of collaboration similar to the comments made in the previous section. With limited resources ADVENTURE has taken the position to try to focus on the 'low-hanging fruit' such as projects which have a partner in common, projects which are very clear on their delivery and outcomes or projects which have a very positive and outgoing approach to liaison.

The summary status of these collaborations is as below and further information can be found in Annex A. This list is not exhaustive and can grow overtime:

Project	Comments
PREMANUS (FP7)	Cross over partner TIE and within FInES cluster. Particular commonality with Gateways and Service bus. Projects have been presented to each other and good but initial collaboration – eg MiniCluster. The MiniCluster discussions will also form the next steps with this project
CREATE (NL National and ITEA2)	Cross over partner TIE. ITEA2/National projects which in practice makes cooperation difficult mainly due to timing since CREATE has been delayed for many months and is only just really starting. However, there is perceived to be a very high-overlap. Once CREATE is further a field internal TIE resources on each project will evaluate overlaps and opportunity.
IMAGINE	Cross over partner TUDA. This is also a FP7 project with a cross over of a collaboration platform for multiparty manufacturing. Discussions were made in CEBIT and TUDA has joined their scientific interest group. The next step is for cross-over discussions and presentations of each project.
VISTRA	Cross over partner TUDA. This deals with simulation and training and the obvious overlap is simulation where TUDA is also responsible for this in ADVENTURE. Talks are underway to see project crossovers.
CoReNet	INESC is the contact point for this EU project and has already presented the project to CoReNet with a focus on process monitoring which is its focus in ADVENTURE. The next step is for a CoReNet presentation about the LCA (Life-Cycle Assessment) distributed tool.
VALO	UVA has the cross-over role in this project which is about valorisation. There is a looser coupling with this project since it deals with the 'softer' vs technical aspects of the project. The precise cooperation is to be defined.

## 4 Dissemination and Collaboration Plan

### 4.1 Introduction

This section will discuss concrete, planned activities and also serve to contain summary information on the status and/or results. This section will thus represent a living part of the project. These templates are taken and updated from D8.5.1a where appropriate and related to collaboration. A reminder of the template structure and key is below.

In the top bar of each template there is a coloured indicator highlighting the current status of each of the dissemination plans and inferring as follows:

Key:

Not Due	<table border="1"> <tbody> <tr> <td style="background-color: #cccccc;">Immediate: These actions need to be address by end of Sept 2012</td> </tr> <tr> <td style="background-color: #ffff00;">Review shortly: Need to be address by end of December 2012</td> </tr> <tr> <td style="background-color: #90ee90;">No immediate requirements: Fall into 2013 and will be reviewed early 2013</td> </tr> </tbody> </table>	Immediate: These actions need to be address by end of Sept 2012	Review shortly: Need to be address by end of December 2012	No immediate requirements: Fall into 2013 and will be reviewed early 2013
Immediate: These actions need to be address by end of Sept 2012				
Review shortly: Need to be address by end of December 2012				
No immediate requirements: Fall into 2013 and will be reviewed early 2013				
Not Started (and should have been)				
Ongoing				
Task Completed: Task Completed				
Task Removed: Task Removed or covered by other activity				
Void (started but became obsolete)				

Each activity will follow the template below along with an embedded 'fake' example:

*Table 5: Action Template*

Name	Article	
Status	Not Started	
ID	10	
Focus	Collaboration (Also Dissemination)	
Phase	IAC: Involve and Contribute (Also: ITI: Inform, Teach and Inspire and DAC: Share and Convince)	
Type	Marketing Interaction	
Purpose	Visible (Also: Quality, Adopt)	
Who	General (Also: Scientific, Industrial, Internal)	
Planned Date (finalisation)	One article entry per Quarter	
Responsibility	Every quarter a different partner should write an article.	

Description/ Content	What is going on in the project? What are the newest findings, thoughts or next events?
Monitoring	Collaboration Manager (Also Dissemination Manager, Project Manager)
Related Task	T8.5
Priority	1=Critical (Also 2=Expected, 3=Wherever Possible, 4=Nice To Have, 5=Very optimistic)
Results@ [date]	Periodic update of results repeated as necessary

### 4.2 Summary of planned activities and status

Table 6: Action Summary

ID	Name	Status / Priority		Schedule (by Quarter)											
				See 4.1 for key											
Collaboration and in-scope of this Deliverable				Q 1	Q 2	Q 3	Q 4	Q 5	Q 6	Q 7	Q 8	Q 9	Q 10	Q 11	Q 12
240	Domain Experts	Due	Immediate			*									
270	Interproject Liaison	On Going	Review 2012					*							
280	FInES Clustering	On Going	Review 2012	*											
290	FInES technology watch	On Going	Review 2012	*											
300	FInES Roadmap	Completed		*											
310	FInES Cluster Book	Void													
340	ETP Liaison	On Going	Immediate				*								
350	Non-RTD/Project Collaboration	Not due					*								
360	Third Party Collaboration	Not due								*					
400	FInES Social Network Stimulation/Contribution	Void		*											
Collaboration but covered in D8.3.1-3 deliverables															
90	Technical event / Summer School	Not due													
180	Workshop 1	Not due													
190	Workshop 2	Not due													
390	Plug and Play Competition	Not due													

### 4.3 Resource Planning

In defining the strategy and plan, the project has attempted to both size and prioritise the actions since it is evident that the resources available for dissemination do not match that of the actions which could be conducted.

For further details on this see the original document D8.5.1a and its updated D8.5.1b.

### 4.4 Collaboration Actions and Status

This section lists all templates where the focus was marked as “Collaboration” in D8.5.1 and which are monitored / planned within this report under the auspices of Task 8.5 and its clustering/collaboration remit.

In addition there were several tasks marked as “Collaboration” but some of these are more related to Task 8.5 Dissemination (eg workshops) and as such are reported there.

#### 4.4.1 240: Domain Experts

<b>Name</b>	<b>Domain Experts</b>	
Status	Not Started	
ID	240	
Focus	Collaboration	
Phase	SAC	
Type	Engagement	
Purpose	Quality	
Who	General	
Planned Date	Q2/2012	
Responsibility	TUDA	
Description/ Content	Engagement of 4 external domain experts	
Monitoring	Project Manager	
Related Task	WP1	
Size (days)	4 for engagement (finding, contracts etc.), 4 for interfacing = 8	
Priority	2=Expected	
Q1-Q3/2012	Not Started	
Further Actions	Identification of potential external domain experts and initial contacting.	

## 4.4.2 270: Interproject Liaison

<b>Name</b>	<b>Interproject Liaison</b>	
Status	Ongoing	
ID	270	
Focus	Collaboration	
Phase	SAC	
Type	Engagement	
Purpose	Quality	
Who	Scientific	
Planned Date	Q4/2012	
Responsibility	TIE	
Description/ Content	Investigate other projects and liaise with them Make a mini-cluster group for 2-3 ADVENTURE related projects and arrange an annual meeting with them to share information. There should be 2 meetings per year with other projects	
Monitoring	Collaboration Manager	
Related Task	T8.5	
Size (days)	Initial Investigation/Liaison: Total 15 Days MiniCluster: 29 Days Total	
Priority	2=Expected	
Q1-3/2012	<p>Note: For efficiency and likely success most interactions are focused where at least one of the partners is common across projects. ADVENTURE is of course not adverse to interaction with other projects but since this requires more effort these will always have to be evaluated for relevance and priority. ADVENTURE has not received any proactive approach from other projects.</p> <p>Individual Cooperations (See Annex A for further details):</p> <ul style="list-style-type: none"> <li>• Contacts made with projects: <ul style="list-style-type: none"> <li>• TIE: <ul style="list-style-type: none"> <li>• PREMANUS</li> <li>• CREATE</li> </ul> </li> <li>• TUDA: <ul style="list-style-type: none"> <li>• Imagine</li> <li>• Vistra</li> </ul> </li> <li>• INESC <ul style="list-style-type: none"> <li>• CoReNet</li> </ul> </li> </ul> </li> </ul>	

	<ul style="list-style-type: none"> <li>• ASC <ul style="list-style-type: none"> <li>• Cloudi/o</li> </ul> </li> <li>• UVA <ul style="list-style-type: none"> <li>• VALO</li> </ul> </li> <li>• AZEV <ul style="list-style-type: none"> <li>• Not part of this task</li> </ul> </li> <li>• Other partners <ul style="list-style-type: none"> <li>• No relevant projects identified of this report</li> </ul> </li> </ul> <p>MiniCluster:</p> <ul style="list-style-type: none"> <li>• Proposed to form a mini-cluster between ADVENTURE and PREMANUS and one, max two, other projects. Feedback from projects currently awaited but if possible a joint meeting will be arranged to find practical aspects to collaborate on – e.g. workshops, technical-collaboration, etc. See section 3 for details.</li> </ul>
Q4/2012	ADVENTURE plans to actively invite (some of) these projects to present at future plenaries or technical meetings most likely starting with the mini-cluster ones.

#### 4.4.3 280: FInES Clustering

Name	FInES Clustering	
Status	Ongoing	
ID	280	
Focus	Collaboration	
Phase	SAC	
Type	Engagement	
Purpose	Quality	
Who	Scientific	
Planned Date	Q3/2014	
Responsibility	TIE	
Description/ Content	Ensure the participation in FInES actively including ensuring 2-3 participants in each half-yearly EU cluster event and other events	
Monitoring	Collaboration Manager	
Related Task	T8.5	
Size (days)	27 Days	
Priority	2=Expected	
Q1/2011	<ul style="list-style-type: none"> <li>• Participation in Road mapping activity (TIE)</li> </ul>	

	<ul style="list-style-type: none"> <li>Attendance of October Meeting 11/12 Oct Brussels (TIE and TANET)</li> <li>Attendance of December 2011 Event in Brussels (TIE and TANET) - 20 Dec Brussels</li> </ul> See also section 3.2.4
Q1-2/2012	<ul style="list-style-type: none"> <li>March Brussels - General</li> <li>May Brussels – General</li> <li>June Aarhus – General</li> </ul> See also section 3.2.4
Q4/2012	<ul style="list-style-type: none"> <li>Taskforce lead meeting planned (October 2012)</li> </ul>

#### 4.4.4 290: FInES Technology Watch

<b>Name</b>	<b>FInES Technology Watch</b>	
Status	Ongoing	
ID	290	
Focus	Collaboration	
Phase	SAC	
Type	Engagement	
Purpose	Quality	
Who	Scientific	
Planned Date	Q3/2014	
Responsibility	TIE	
Description/ Content	ADVENTURE (TIE) was invited to lead (the FInES technology watch activity	
Monitoring	Collaboration Manager	
Related Task	T8.5	
Size (days)	5 Days stimulating, correspondence, meeting attendances over 3 years = 15 days	
Priority	2=Expected	
Q4/2011	There was a presentation at the October meeting of FInES and in the meeting of December 2011 the task force met. However, there was no specific objective of the task force except to communicate between projects.	
Q4/2012	The Task Leaders will meet in October with the new FInES responsables to understand the directions that should be taken.	

## 4.4.5 300: FInES Roadmap

<b>Name</b>	<b>FInES Roadmap</b>	
Status	Completed	
ID	300	
Focus	Collaboration	
Phase	SAC	
Type	Engagement	
Purpose	Quality	
Who	Scientific, Industrial	
Planned Date	Q4/2011 – Q1/2012	
Responsibility	TIE	
Description/ Content	Organize any relevant contribution of ADVENTURE to the FInES roadmap	
Monitoring	Collaboration Manager	
Related Task	T8.4	
Size (days)	2 days per year = 6 days for stimulating roadmap input and going to meetings NB: All partners to input via the RTD WPs	
Priority	2=Expected	
Q4/2011	<p>It is understood that an initial FInES roadmap was published in 2010 (<a href="http://www.FInES-cluster.eu/FInES/wp/finesroadmap/">http://www.FInES-cluster.eu/FInES/wp/finesroadmap/</a> and <a href="http://cordis.europa.eu/fp7/ict/enet/documents/FInES-researchroadmap-final-report.pdf">http://cordis.europa.eu/fp7/ict/enet/documents/FInES-researchroadmap-final-report.pdf</a>).</p> <p>Further, it is understood that it was influential on the direction of the FInES activities and relevant EU work programmes.</p> <p>As such it was then decided to update and create a 'Roadmap 2025' edition which stemmed from this activity and work was carried out during 2010 to early 2012 by cluster projects under the auspices of the ENSEMBLE coordination action. As stated on the FInES site: "<i>FInES Research Roadmap 2025 that has been produced by the dedicated FInES Research Roadmap Task Force, articulated in the Editorial Board and the Scientific Advisory Group (SAG), with the support of the Experts Scientific Committee (ESC) of the ENSEMBLE Project. Furthermore, all the projects of the FInES Cluster, plus a number of independent experts, contributed to the elaboration of the material reported in this document</i>".</p>	

	<p>As a new cluster project which started September 2011, ADVENTURE was requested through the DOW to contribute to this activity, but the reality was that most work had been performed and the document was going through the final editing rounds before ADVENTURE had hardly started.</p> <p>However, this being said, ADVENTURE, through partner TIE, volunteered to be part of the “FInES Research Roadmap v2.0 Reviewers” group, both shedding technical insight and fresh eyes on the document. Other members were: Carlos Agostinho, Pierluigi Assogna, Fenareti Lampathaki, Francesco Taglino.</p> <p>Editorial contributions were made direct from TIE to the EU/Roadmap editors due to the nature of this collaboration. Primarily this was through the Participation in the “Road mapping activity meeting October 2011” and correspondence and contribution around it. It is believed that ADVENTURE's contribution was in excess of other projects starting at a similar date due to this inclusion.</p> <p>In addition ADVENTURE WP8 lead TANET/Gash Bhullar contributed to the document drafts under the SYNERGY project and his membership of roadmaps “Scientific Advisory Group (SAG) and Expert Scientific Committee (ESC)”.</p>
Q1-2/2012	<p>The final version of the FInES Research Roadmap 2025, a study on the future research lines promoted by the FInES Cluster and carried out as a collective endeavour by the projects and the experts who participate in the cluster activities, was published on June 2012. The document is available at:</p> <p><a href="http://www.FInES-cluster.eu/FInES/jm/Manage-Documents/Featured/View-category.html?ascdesc=DESC&amp;orderby=dmdate_published">http://www.FInES-cluster.eu/FInES/jm/Manage-Documents/Featured/View-category.html?ascdesc=DESC&amp;orderby=dmdate_published</a></p>

		<p><u>Contributing Projects and Initiatives</u></p> <p>ADVENTURE BIVEE COIN COMVANTAGE ebbits FNSFMRI F</p>
Further Actions	None – Item closed	

#### 4.4.6 310: FInES Cluster Book

Name	FInES Cluster Book	
Status	Voided	
ID	310	
Focus	Collaboration	
Phase	SAC	
Type	Engagement	
Purpose	Quality	
Who	Scientific	
Planned Date	2012	
Responsibility	TANet	
Description/ Content	Organize any relevant contribution of ADVENTURE to the FInES cluster book	
Monitoring	Collaboration Manager	
Related Task	T8.5	
Size (days)	4 days	
Priority	2	

Q1-3/2012	<p>Although contribution was implicitly requested by the EU the FInES book transpired to only be relevant to those projects who had sufficient results and deliverables at the time mentioned. As such this action was only really relevant to those projects who had started at least a year before ADVENTURE and other parallel projects.</p> <p>As such ADVENTURE has not tracked this activity aggressively but vice-versa any actions and activity related to it have been largely invisible. Indeed at the end of August 2012, the FInES cluster website simply records an entry dated mid-July stating: "The FInES Cluster is finalizing the 2012 Cluster Book entitled "Roots and Wings", taking stock of the latest developments fostered by the Cluster and offering a synthesis of our activity over the last two years. The book is expected by the end of summer 2012 and will contain reflections on the Sensing Enterprise concept, the Enterprise Interoperability Science Base advancements, and the cloud services and Internet of Things"</p> <p>It is unknown if this activity, i.e. subsequent books/editions, will continue given the changes to the FInES and EU organisation and thus this template is marked 'void'. Should a new action start up, ADVENTURE's contribution to it will then be re-evaluated once more in the context of priorities and resources available. However, the positive is that by that stage ADVENTURE will be even further ahead and will be in a good shape to contribute to it.</p>
Further Actions	None – Item closed

#### 4.4.7 340: ETP Liaison

<b>Name</b>	<b>ETP Liaison</b>	
Status	Started	
ID	340	
Focus	Clustering	
Phase	IAC	
Type	Cooperation	
Purpose	Engagement	
Who	General	
Planned Date	Q3/2012	
Responsibility	TUDA	
Description/	Explore contact with relevant ETPs such as NEM and NESSI and	

Content	relevance with ADVENTURE work
Monitoring	Collaboration Manager
Related Task	T8.4
Size (days)	1 days each year =3
Priority	3=Where possible
Q1-2/2012	<ul style="list-style-type: none"> <li>• NEM: A contact to Malte Behrmann, who participated in NEM, has been established. But, as yet, no fit regarding ADVENTURE contents has been found, and accordingly, no cooperation possibilities have been identified.</li> <li>• NESSI: Stuart Campbell, CTO TIE, is on the Steering Committee of NESSI and TIE CEO Jan Sundelin is on the Management Board. NESSIs remit is Software and Services and these days is focused very much on cloud. Of course ADVENTURE is related to this since it uses cloud/services, but there is little actual overlap with practical activity since NESSI is largely about influencing work programs and strategy. However ADVENTURE (via TIE) is well placed to continue monitoring overlaps and opportunities and will highlight them if applicable</li> <li>• MANUFUTURE: INESC participated in working meetings with MANUFUTURE (<a href="http://www.manufuture.org">www.manufuture.org</a>) Portugal (<a href="http://www.forum-manufuturep.org/">http://www.forum-manufuturep.org/</a>) in order to discuss the vision understanding; strategic research agenda and identification of possible common actions with ADVENTURE. During these meetings, the ADVENTURE scope and objectives were presented.</li> </ul> <p>Further information on these bodies is identified in Annex A/340</p>
Further actions	<ul style="list-style-type: none"> <li>• NEM: Due to missing fit regarding ADVENTURE contents, no further actions regarding NEM are planned.</li> <li>• NESSI: TIE will continue monitor the opportunities but as of now the project and ETP remit are at different levels.</li> <li>• MANUFUTURE: INESC will organize a round table with MANUFUTURE Portugal to Identify cooperation possibilities between ADVENTURE and MANUFUTURE ETP.</li> <li>• TUDA as lead to monitor other developments such as the Cross-ETP activity.</li> </ul>

#### 4.4.8 350: Non-RTD/Project Collaboration

Name	Non-RTD/Project Collaboration	
Status	Ongoing	
ID	350	
Focus	Clustering	

Phase	IAC
Type	Cooperation
Purpose	Engagement
Who	General
Planned Date	Q3/2012
Responsibility	UVI
Description/ Content	Non-Research collaborations, e.g. by cooperating with Open Source projects
Monitoring	Collaboration Manager
Related Task	T8.4
Size (days)	2 days each year =6
Priority	3=Where possible
Q3/2012	ADVENTURE is trying to utilise public technology if it exists, where it is useful for partners and conforms with partner/project IPR policies. On the basis of this the consortium envisages that in doing so it might find anything from bugs to new requirements that the project may need to address. This action is to report that activity. To date the most likely interactions are with the XMPP projects (message routing) and JBPM projects (process design). However, since these developments are only just beginning it is too early to report on this or be precise what may be performed (if anything).
Further Actions	Reporting lines will be put in place to see whether ADVENTURE needs such interactions and whether such a RTD projects can help influencing the wider world.

#### 4.4.9 360: Third Party Collaboration

<b>Name</b>	<b>Third Party Collaboration</b>
Status	Not Started / Not Due
ID	360
Focus	Clustering
Phase	IAC
Type	Cooperation
Purpose	Engagement
Who	General
Planned Date	Q1/2013

Responsibility	TANet
Description/ Content	Collaborations with third parties (research organizations, public administrations, commercial organizations, not-for-profit organizations)
Monitoring	Collaboration Manager
Related Task	T8.5
Size (days)	5 days spread across the project duration
Priority	4=Nice To Have
Q1/2012	Not Started
Further Actions	Not Due

#### 4.4.10 400: FInES Social Network Stimulation/Contribution

<b>Name</b>	<b>FInES Social Network Stimulation/Contribution</b>	
Status	Closed	
ID	400	
Focus	Collaboration	
Phase	SAC	
Type	Collaboration	
Purpose	Engagement	
Who	Scientific, Industrial	
Planned Date	Duration of Project	
Responsibility	TANet	
Description/ Content	Stimulate others to systematically contribute to the FInES on-line forums and also self-stimulate. ADVENTURE has already allocated individual per FInES Task Force/Collaboration groups as defined in Section 3.2.	
Monitoring	Collaboration Manager	
Related Task	T8.5	
Size (days)	2 days	
Priority	3=Where Possible	
Q1/2012	Some contribution were made to the community forums related to cluster meeting in December (Q4/2011)	
Q2-3/2012	As mentioned already, there were some contributions to the	

	<p>LinkedIn social groups of FInES but there was no stimulation/moderation of them. As a consequence there was such little traffic, with the exception of adverts for workshop or conferences, thus the conclusion was that essentially those groups are dead and there is literally nothing to interact with. This is perceived to be a common view of several other projects as well.</p> <p>As such no further actions will take place here unless by a partners own interest and/or until the FInES 'system' reinvigorates this aspect</p>
Further Actions	None currently. If these forums become more useful and active this will be reviewed.

#### 4.5 Collaboration Actions and Status (Under other Task/Deliverables)

Within D851a there were several other activities assigned to the area of collaboration but these are actually closer to dissemination rather than clustering and are reported in D8.3.x series of deliverables. These actions are:

- 90: Technical Event / Summer School
- 180: Workshop 1
- 190: Workshop 2
- 390: Plug and Play Competition

## 5 Conclusion

The purpose of this document is to feedback on the collaboration actions to fulfil the strategy pronounced in D8.5.1. Such actions are presented and a framework created to identify responsibilities, outcomes and also to monitor them and their impact.

As at M12 collaboration was not due to be heavily implemented since the project needed more substantial dissemination material both 'marketing' and 'technical'. Now a solid basis for both is achieved through the Requirements, Architecture and Specification deliverables whose phase will be complete at M12 and of course much dissemination material as identified in D8.3.1.

However, many of the actions have started in terms of a good participation in the FInES cluster and interproject liaisons. Of particular interest is, the hoped initialisation of the ADVENTURE-PREMANUS MiniCluster during Q4/2012.

In summary the conclusions are:

- Early collaboration activities have mainly focused on informing and networking as was the plan
- Contacts have been made with many projects but these contacts need to be turned into realistic and focused practical activities
- In particular the mini-clustering approach with PREMANUS looks promising
- Many of the FInES actions suggested by the EU were not feasible due to the timing of the existing actions vs the early stages of the project
- The FInES future is unclear which has not enthused more significant contribution

## Annex A

### Annex A/270: Interproject Liaison

	<b>PREMANUS - <a href="http://www.premanus.eu">http://www.premanus.eu</a></b>
<b>ADVENTURE Responsible</b>	TIE
<b>Goal</b>	<p>The goal of PREMANUS is to overcome the asymmetric distribution of information in the End-of-Life (EoL) recovery of products by connecting OEMs and subcontractors, with a special emphasis on remanufacturing. To achieve this goal, PREMANUS will provide an on demand middleware which combines product information and product services within one service oriented architecture. In addition to closing the information gap, the PREMANUS middleware would compute EoL-specific KPIs based on product usage data and make recommendations to its users regarding the viability (in terms of profitability, scope, and time) of remanufacturing a product.</p>
<b>Consortium</b>	SAP, Politecnico di Milano, Loughborough University, TIE (common), SKF, Centro Ricerche Fiat (CRF), Sirris, Epler & Lorenz
<b>Commons</b>	Gateways, Discovery, Service Bus, Semantics, SOA
<b>Actions to date</b>	<ul style="list-style-type: none"> <li>• TIE made a presentation/discussion on ADVENTURE vs. PREMANUS architecture at the PREMANUS plenary in Darmstadt (2012) and common areas were identified. In addition the publish/subscribe mechanisms is up for deeper technical discussion by both project</li> </ul>
<b>Planned actions</b>	<ul style="list-style-type: none"> <li>• PREMANUS presentation proposed at ADVENTURE plenary in Q3/4 2012</li> <li>• Proposed to form a mini-cluster between ADVENTURE and PREMANUS and one, max two, other projects. Feedback from projects currently awaited but if possible a joint meeting will be arranged to find practical aspects to collaborate on – e.g. workshops, technical-collaboration, etc.</li> </ul>

	<b>CREATE – No website</b>
<b>ADVENTURE Responsible</b>	TIE
<b>Goal</b>	CREATE will innovate, develop and deliver proof of concepts in the domain of industrial automation and establish cooperative and layered automation systems with a significant exploitation potential. It will

	deploy technologies in a modular form which have business impact by increasing the flexibility and adaptation of existing systems and allowing their integration with new paradigms such as human-centred design, service orientation, secure and safe distributed control architectures, semantic use, dynamic legacy integration and control system life-cycle engineering support. It will do this in the areas of material flow, monitoring & QA, metrology, and product tracking.
<b>Consortium</b>	Netherlands National Project under its PointOne initiative. Dutch Consortium: TIE (common), CCM NB: CREATE is partner of a wider project ITEA2/CREATE
<b>Commons</b>	Gateways, Discovery, Service Bus, Semantics, SOA. In fact the architecture of ADVENTURE provides, at first investigations, a mirror of what is needed in CREATE
<b>Actions to date</b>	<ul style="list-style-type: none"> <li>TIE personnel made a presentation/discussion on ADVENTURE vs. CREATE requirements and architecture internally, and found that there was significant commonality. Further presentations will be made at the next CREATE plenary scheduled in October.</li> </ul>
<b>Planned actions</b>	<ul style="list-style-type: none"> <li>Once the ADVENTURE technical specification is finalised both this and architecture/functional specification will be studied by TIE CREATE personnel and CCM personnel to see what possible re-use and overlap there could be</li> </ul>

	<b>IMAGINE</b> - <a href="http://www.imagine-futurefactory.eu">http://www.imagine-futurefactory.eu</a>
<b>ADVENTURE Responsible</b>	TUDA
<b>Goal</b>	The goal of IMAGINE is the development of a multi-party collaboration platform which involves partners, suppliers and production facilities to enable multi-party manufacturing. It offers methodology for management of dynamic manufacturing networks to enable a plug and produce approach in the manufacturing domain.
<b>Consortium</b>	Intrasoft International SA (Luxembourg), Software AG (Germany), Santer Reply SPA (Italy), Logo Elektronik Ticaret Hizmetleri A.S. (Turkey), Fraunhofer-Gesellschaft zur Foerderung der Angewandten Forschung e.V. (Germany), National Technical University of Athens (Greece), The University of Warwick (UK), Scientific Academy for Service Technology (Germany), University of Patras (Greece), Centre National de la Recherche Scientifique (France), Uninova - Instituto de Desenvolvimento de Novas Tecnologias (Portugal), European Aeronautic Defence and Space Company - EADS France SAS (France), AIDIMA - Asociacion de Investigacion y Desarrollo en la Industria del Mueble y Afines (Spain), Centro Ricerche Fiat SCPA (Italy)

<b>Commons</b>	Scope of Factory of the Future, collaborating platform, multi-party manufacturing
<b>Actions to date</b>	<ul style="list-style-type: none"> <li>• Communication at CEBIT</li> <li>• Join the IMAGINE scientific domain interest group</li> </ul>
<b>Planned actions</b>	<ul style="list-style-type: none"> <li>• Information exchange in context of Factory of the Future and FInES cluster</li> <li>• Mutual presentations envisaged</li> </ul>

	<b>VISTRA - <a href="http://www.vistra-project.eu/">http://www.vistra-project.eu/</a></b>
<b>ADVENTURE Responsible</b>	TUDA
<b>Goal</b>	The Goal of VISTRA is the development of a simulation and training platform for manual assembly processes to shorten innovation lifecycles and time-to-market. To achieve this goal, VISTRA integrates data from engineering and manufacturing to create interactive simulation environments. Factories will be able to simulate, plan and train manufacturing processes before a product or a manufacturing facilities exists. A virtual assembly training simplifies the testing of prototypes and offers an environment for workers to learn an assembly sequence step by step.
<b>Consortium</b>	German Research Center for Artificial Intelligence - DFKI (Germany), Fraunhofer Institute for Computer Graphics Research (Germany), Fraunhofer-Chalmers Research Centre for Industrial Mathematics (Sweden), University of Nottingham (UK), Serious Games Interactive (Denmark), VOLVO Technology (Sweden), Adam OPEL AG (Germany)
<b>Commons</b>	Use of a common base of data, context of FP7
<b>Actions to date</b>	<ul style="list-style-type: none"> <li>• Talks with project partners to figure out intersections between the projects</li> </ul>
<b>Planned actions</b>	<ul style="list-style-type: none"> <li>• Opel is the planed replacement of ABB – intensive exchange between the projects to find and use synergies</li> </ul>

	<b>CORENET -<a href="http://www.corenet-project.eu/">http://www.corenet-project.eu/</a></b>
<b>ADVENTURE Responsible</b>	INESC
<b>Goal</b>	In recent years, it is becoming clear that at industrial level that full

	<p>adoption of collaborative small series production methodologies and technologies are of decisive importance for European Manufacturing Industry, SMEs in particular, to proactively respond to the high variability of the consumers demand and expectations, so reducing the risks of following too fast changing trends without appropriate basis, causing serious limits in terms of both customers satisfaction and enterprises competitiveness and sustainability.</p> <p>CoReNet aim is to develop methods, tools and technologies for sustainable small series production. Industrial value of the project is based on applying innovative solutions for design and production of healthy fashionable clothing, footwear and accessories for consumer categories with health problems.</p>
<b>Consortium</b>	Deutsche Institute fuer Textil- und Faserforschung Denkendorf (Germany); ASSYST GMBH (Germany); ERGOSFT AG (Switzerland); FRATELLI PIACENZA SPA (Italy); Inesc Porto (Portugal); ITIA-CNR (Italy); MANAS SPA (Italy); STARTEGIES (France); SYNESIS (Italy); TOMORROW OPTIONS (Portugal); TXT e-solutions SPA (Italy); BIVOLINO (Belgium); CTX – Color Textil (Germany);
<b>Commons</b>	Collaborative Processes; Collaborative Platforms; Reference Model;
<b>Actions to date</b>	<ul style="list-style-type: none"> <li>• INESC made a briefly presentation/discussion on ADVENTURE platform namely concerning overall functionalities related to process monitoring. The scope of Reference Model has been also discussed.</li> </ul>
<b>Planned actions</b>	<ul style="list-style-type: none"> <li>• To arrange a CoReNet presentation about the LCA (Life-Cycle Assessment) distributed tool.</li> <li>• To evaluate the possibility of using CoReNet results (in the context of LCA) in Adventure (e.g. the methodology for green supplier selection)</li> </ul>

	<b>Cloudi/o</b> - <a href="http://www.cloudi-o.de">http://www.cloudi-o.de</a>
<b>ADVENTURE Responsible</b>	ASCORA
<b>Goal</b>	<p>Data management in clinical research in Europe is regulated by a vast number of laws including data privacy laws for citizens that are often not applicable to clinical research, as this is performed primarily on animals.</p> <p>Cloudi/o is a national project in Germany, with the goal of improving data management in clinical research aiming directly at the problems resulting from the strict law regulations, such as secure data transmission to remote locations, secure cloud storage for enormous</p>

	<p>amounts of data produced by modern imaging techniques. Using these principles, Cloudi/o wants to create a platform that is even more secure than the usual IT infrastructure in a hospital or research environment and also tackles problems like scalability, data inconsistency, data validation, machine-data imports, data formats and multi-user management.</p> <p>Additionally, the Cloudi/o platform should be easily deployable and also focuses on usability to improve the work effectivity of the IT staff in research projects. This also helps to try out the platform and should increase adoption.</p>
<b>Consortium</b>	Ascora GmbH (common), sofd GmbH, Research Group for Geriatric Medicine of the Charité Berlin, Tele Consulting GmbH
<b>Commons</b>	Secure Cloud Storage, Message Bus, Gateways
<b>Actions to date</b>	<p>The project starts 09/2012, therefore not many actions have been taken to date, and the website is in construction status too.</p> <ul style="list-style-type: none"> <li>• ASC internally identified common research areas in Cloud Storage and Message Routing.</li> </ul>
<b>Planned actions</b>	<ul style="list-style-type: none"> <li>• Cloudi/o presentation proposed at ADVENTURE plenary in Q1 2013</li> <li>• Workshops for groups researching about used technologies and concepts are planned</li> </ul>

	<b>VALO</b>
<b>ADVENTURE Responsible</b>	UVA

<b>Goal</b>	<p>The objectives of the EU project VALO (Valorisation Expert Training and Certification) are to:</p> <ul style="list-style-type: none"> <li>• Develop an online accredited programme of study for the job role of a Valorisation Expert</li> <li>• Pilot the programme in participating organisations/member states of the project partners</li> <li>• Study and development of robust dissemination models and policies, strategies, processes, as well as follow-up mechanisms for successful valorisation of results, including identification of barriers to valorisation (managerial competencies);</li> <li>• Measurements of quality and effectiveness of valorisation activities (administrative competencies);</li> <li>• Assessment of the impact of results and valorisation actions (administrative competencies);</li> <li>• Promotion and dissemination of project results using innovative web-based electronic means, including digital media (Internet marketing, social media marketing, mobile marketing) (technical competencies).</li> </ul>
<b>Consortium</b>	<p>Alexander Technological Educational Institute of Thessaloniki (GR), FH JOANNEUM (AT), University of Vaasa (FI), Middlesex University (UK), International Software Consulting Network (IE), Thessaloniki Chamber of Commerce and Industry (GR), Institute of Vocational Training THERMI (UK).</p>
<b>Commons</b>	<p>Dissemination, Collaboration, Sustainability, User Interface</p> <p>Note: Also thought Dissemination/Collaboration sound rather generic this is the focus of VALO and UVA will investigate how ADVENTURE could take advantage of this.</p>
<b>Actions to date</b>	<ul style="list-style-type: none"> <li>• UVA made a presentation/discussion on ADVENTURE versus VALO project and common points such as collaboration need among the SMEs and relevant dissemination and exploitation (in the form of training/idea exchange between academics and industries) efforts are identified.</li> </ul>
<b>Planned actions</b>	<ul style="list-style-type: none"> <li>• Further meetings are scheduled between both the project partners to know more common goals/issues between each other and to prepare future action plan</li> <li>• Proposed to form a partnership between ADVENTURE and VALO for common dissemination activities in the form of workshops, publications, training, etc.</li> </ul>

**Annex A/340: ETPS**

	<b>NEM – <a href="http://www.nem-initiative.org/">http://www.nem-initiative.org/</a></b>
<b>ADVENTURE Responsible</b>	TUDA
<b>Goal</b>	<p>The goal of NEM is creating advanced, personalised services constituting different media forms in order to improve quality, enjoyment and value of the user experience. These services are delivered seamlessly to different end-user devices, such as fixed and handheld terminals, over technologically transparent networks, as, e.g., satellite, terrestrial, cable, twisted-pairs, optical fibre, community installations, and microwaves infrastructures.</p> <p>End users are enabled to create own media and communication environments including user-generated content, whereas the access to this content is the key enabling factor.</p>
<b>Consortium</b>	Abertis Telecom, Alcatel-Lucent, Arcelik, BBC, Brunel University, BT, Engineering Ingeneria Informatica S.p.A., Eurescom, European Games Developer Federation, France Télécom, Holken Consultants, IN2 search interfaces development, INRIA, Institut für Rundfunktechnik, Institute TELECOM, Intel, Intracom, IT Innovation Centre, Nokia Siemens Networks, RAI, Rose Vision, Sigma Orionis, SINTEF, STMicroelectronics, Tecnalía, Telecom Italia, Technicolor, Turk Telekom, Universidad Politécnica de Madrid (UPM), Virtualware, Vsonix, Waterford Institute of Technology
<b>Commons</b>	None
<b>Actions to date</b>	<ul style="list-style-type: none"> <li>• Contact to Malte Behrmann, who participated in NEM, established</li> </ul>
<b>Planned actions</b>	<ul style="list-style-type: none"> <li>• None due to missing fit regarding ADVENTURE contents</li> </ul>

	<b>NESSI – <a href="http://www.nessi-europe.com/">http:// www.nessi-europe.com/</a></b>
<b>ADVENTURE Responsible</b>	TIE
<b>Goal</b>	NESSI is the European Technology Platform active in Information and Communication Technologies for contributing to the research and innovation space of Software and Service. NESSI stands for the Networked European Software and Service Initiative. It provides a platform for the community for both industry and academic organisations.

<b>Consortium</b>	NESSI has around 400 organisational members and from these around 1000 individual members. However, it should be noted these are largely inactive with the exception of the Partner members on the Steering Committee and Board. These include: Answare, ATC, TIE, CINI, Engineering, HP, France Telecom, IBM, IT Innovation, NSN, SAP, Siemens, Sintef. Software AG, Thales, Madrid Polytechnic, Paluno
<b>Commons</b>	ADVENTURE both uses service technologies to intersect its internal technical software components and in its execution mode will also invoke services
<b>Actions to date</b>	<ul style="list-style-type: none"> <li>Surveillance only since NESSI is dealing more with strategy and the future and ADVENTURE operationally using services. NESSI Partner and ADVENTURE partner TIE will maintain this surveillance</li> </ul>
<b>Planned actions</b>	<ul style="list-style-type: none"> <li>No specific actions yet identified</li> </ul>

	<b>Manufuture (www.manufuture.org)</b>
<b>ADVENTURE Responsible</b>	INESC
<b>Goal</b>	<p>The Manufuture Technology Platform aims to provide an analysis and methodology leading to a transformation of European manufacturing industry into a knowledge-based sector capable of competing successfully in the globalised marketplace.</p> <p>Traditionally, European products are associated with high quality, appealing design and cutting-edge technology. The effectiveness of the Manufuture research agenda in transforming industry will depend upon manufacturers' readiness to leverage these strengths, while adapting continuously to the changes necessary in an open, fast-moving global industrial marketplace.</p>
<b>Consortium</b>	<p>Several members including the following:</p> <p>Daimler AG, Politecnico di Milano, SONAE, ALSTOM POWER, EPP Lab (ITIA-CNR), Technische Universität Dresden - IVMA, John DEERE, Rolls-Royce, VOLVO Powertrain Corporation, EIB - European Investment Bank, Fraunhofer Gesellschaft, BMBF, Fraunhofer Institut Produktionstechnik und Automatisierung (Fraunhofer IPA) ,Department Ultraclean Technology and Micromanufacturing, DELCAM, EMF - European Metalworkers Federation - INESC PORTO is an active member in this ETP.</p>
<b>Commons</b>	Advancements in manufacturing competitiveness: Methodology, tools, organizational issues and technological platforms
<b>Actions to</b>	<ul style="list-style-type: none"> <li>Working Meetings with MANUFUTURE Portugal (<a href="http://www.forum-">http://www.forum-</a></li> </ul>

<b>date</b>	manufuturep.org/) <ul style="list-style-type: none"><li>• Discussion of vision understanding, strategic research agenda and identification of possible common actions.</li><li>• Presentation of ADVENTURE scope and objectives to general Committee of MANUFUTURE Portugal</li></ul>
<b>Planned actions</b>	<ul style="list-style-type: none"><li>• Organize a round table with MANUFUTURE Portugal</li><li>• Identification of cooperation possibilities</li><li>• Realization of synergy potentials</li></ul>