ITEA Magazine 23

MARCH 2016

Σ!

ITEA3

ITEA Event 2016 as part of the
EUREKA Innovation week

New ITEA Chairwoman
Zeynep Sarılar

Success stories
NEXO and NEXXIS

Contents

ITEA Event
2016 as part
of the EUREKA
Innovation week
4

New ITEA
Chairwoman
Zeynep Sarılar
6

Success stories
NEXO and
NEXXIS
8/16

Editorial

Dear members of ITEA Community,

Year by year, ITEA 3 emphasises its focus on being a market-oriented and a result-driven research community, and to motivate its participating countries and companies. We believe in sharing our success stories with our community and others.

The world is getting smaller and life is getting faster. If we are going to gradually help make the lives of industries and people easier, research projects need to be initiated with a business approach that focuses on identifying and meeting customer needs or wants, whether explicit or implicit. Examples of how we do this are evident in the success story of the Nexxis Platform designed and developed by Barco during the ITEA project MEDIATE initiated by a business need and resulted in a successful commercial product. And take the EPAS project, which has set the foundation for to become the reference for card payments not only for Europe but also worldwide. These and other stories present a view of how our results make our world even richer.

During the last decade, technology has strengthened its knowledge base in verticals very well. Sensors are much smaller, network communication is much stronger and battery life is longer so that mobile devices and wearables are much more popular. Smart home or smart city scenarios were much the theory ten years ago. With barriers to integrated solutions now overcome, it is time to develop Connected and Digital Life scenarios that depend on Software Innovation. I would like to refer you to the article on FUSE-IT (Building Management) and SEAS (Energy Consumption Management) to get an understanding of how far ITEA projects have come in this respect.

The ITEA community is a strong and an open community, and that is the best environment for open innovation and collaboration. Ronald Begeer gives a very good impression of the benefits of collaboration with multiple cultures from SMEs to Industrial companies and research institutes from various countries. There is also an interesting example of multi-cultural collaboration in this magazine involving Europe and India, from a Tata Europe representative. Also, I would like to mention that one of Global Top Best 5 collaboration tools for innovation was developed by an SME, CogniStreamer, in the ITEA project ACCELERATE.

The more we share our Success Stories within participating countries, companies and the outside world, the more we will attract powerful industry leaders, innovative SMEs and idea leaders to our community. This year, ITEA will present its projects during the EUREKA Innovation Week on 27 and 28 April in Stockholm.

Globally, countries and companies measure success not only by the financial revenues but also by another key component: happiness. Creating happiness was defined as a mission in ITEA by Rudolf Haggenmüller. As I take over as flag of ITEA from Rudolf, I give a promise to him and our community to keep happiness as the one of the main values of ITEA projects.

Let's spread happiness through Software Innovation!

Sincerely yours,

Zeynep Sarılar

ITEA event 2016 as part of the EUREKA Innovation Week

The ITEA Event 2016 will be held on 28 April 2016 in Stockholm, Sweden. The event is co-located with the EUREKA Innovation Week 2016 (26-29 April), organised and hosted by the Swedish EUREKA Chairmanship at the Stockholm City Conference Centre. The EUREKA Innovation Week 2016 in Stockholm combines the strategically important areas of the EUREKA Network including international collaboration (26 April) with a specific focus on Smart Cities with B2B meetings, panel discussions, high-level keynote speakers, the EUREKA Innovation Award, thematic parallel sessions and a project exhibition (27-28 April).

Smart Cities – Sustainable & Attractive Communities

How can new trends and citizens' knowledge be opportunities in the smart city? How can the city's different dimensions create value for stakeholders and the people who work there? The city is complex and many dimensions need to interact in order for the cities to be sustainable and attractive to residents and business. During the innovation week, the keynote speakers will highlight the Smart City and its interaction from different perspectives. Innovative concepts will be coupled with concrete solutions during parallel sessions on themes that are highly relevant to urban development around the world.

A week full of innovation, collaboration and interaction

During the Innovation Week, including the ITEA 2016 Event, you will have the opportunity to meet, share ideas, interact and discuss with the ITEA Community and other stakeholders from the EUREKA network: international industry, SMEs, academics, policymakers, representatives from funding agencies and public authorities and many more.
Programme highlights are:

An important feature of the EUREKA Innovation Week is the business-to-business meetings organised by Enterprise Europe Network from 11:00 to 13:00. Participants can sit down in pre-arranged, one-on-one meetings for discussing project set-ups and collaborations. To participate in these meetings, you will need to register your B2B profile separately.

In the afternoon, different parallel thematic sessions will be held with key contributions from ITEA projects BaaS (Building as a Service) and C³PO (Collaborative City Co-design Platform). The day will be closed with a smart cities panel session and a closing address by Oscar Stenström, State Secretary, Swedish Ministry of Enterprise and Innovation (to be confirmed).

ITEA Event 2016 - programme 28 April

Thursday 28 April will focus on the EUREKA Clusters with a joint Clusters' session in the morning, followed by the ITEA Event 2016. This specific ITEA session will consist of a warm welcome message from the new ITEA Chairwoman Zeynep Sarılar, exciting programme highlights by the ITEA Vice-chairman Philippe Letellier and three project presentations of the winners of the 2016 ITEA Awards of Excellence.

<div style="background:#1a4a8a;color:#fff;">

Do not miss this opportunity. Register now!

The ITEA Event and the entire EUREKA Innovation Week are free of charge for all participants.
The (optional) Gala Dinner at Stockholm City Hall on 26 April, will be charged @ 80 euros/guest.

</div>

category 'Business impact';
- RECONSURVE: A reconfigurable surveillance system with smart sensors and communication, winner in the category 'User focus'.

In the afternoon, there will be a common session held together with the EUREKA Telecom Cluster Celtic-Plus including a joint opening message and two visionary international keynote speeches from:
- Dr. Fahim Kawsar, Leader of the Internet of Things research at Alcatel-Lucent Bell Labs
- Prof. Jan Gulliksen (to be confirmed), Chair of the Swedish Digitalisation Commission.

Meet innovative Smart City projects on 27 & 28 April

During 27-28 April, visitors will be able to roam around the exhibition and share insights with key representatives from about 25 leading European R&D&I Smart Cities projects, including 11 ITEA projects. Furthermore, the exhibition includes several other booths like all EUREKA Clusters, the EUREKA Secretariat, the EUREKA Chairmanship, associated EUREKA countries, the City of Stockholm, Ericsson and the EUREKA Innovation Awards winners. The three winners of the ITEA Awards of Excellence will present themselves together in a stand next to that of ITEA.

For more information, visit our ITEA Event 2016 webpages:
https://itea3.org/itea-event-2016/index.html

Please note that for the actual registration you will be forwarded to the EUREKA Innovation week website

26 April	**Global Collaboration Day (and Gala dinner)** *Panel session on global collaboration, break-out sessions with representatives from Canada and South Korea*
27 April	**EUREKA Innovation Event "Smart Cities - Sustainable & Attractive Communities"** *Keynote speeches, panel discussion, EUREKA innovation award, matchmaking B2B meetings, thematic parallel sessions, exhibition including 11 ITEA project booths*
28-29 April	**EUREKA Cluster Conferences** *During these days, the EUREKA Clusters will organise various thematic meetings and participate in the exhibition.*
28 April	**ITEA Event 2016** *Messages from the ITEA Chairwoman and Vice-chairman, ITEA Award of Excellence, visionary keynote speeches, joint EUREKA Intercluster session, exhibition*

EUREKA Innovation Event – programme 27 April

Chairman of the EUREKA High Level Group, Per Tervahauta, will officially open this event day, followed by industry and city perspectives on Smart Cities by Ericsson Research and the City of Copenhagen.

This year's winners are:
- ADAX: Cyber-attack detection and countermeasures simulation, winner in the category 'Business impact';
- H4H: Hybrid parallel programming for high performance computing, winner in the

Zeynep Sarılar
New ITEA chairwoman

Back in the April 2013 edition of the ITEA Magazine, Zeynep Sarılar was the subject of the Who is Who column (now in a revised form familiar to readers as Community Talk). A brief review: Zeynep was born in Izmir, Turkey, and graduated as a BSc in Electrical and Electronic Engineering. She worked in Turkey, Belgium and the United States in software and system design before returning to Turkey and then she co-founded Mobilera in 2001. We left the story in 2013 when she was responsible for product development for Mobile Marketing and Community Management, managing EU and Turkey funded research projects on wearable computers, digital home management, ontology on embedded systems and digital home entertainment systems in Mobilera.

A new challenge
So, what's happened since? "Well, of course, becoming the Chairwoman of ITEA is quite a big change. Also I have returned to my entrepreneurial roots. By which I mean that my focus has been to impart my own business knowledge to provide independent consultancy services to the GSM operators in the region on Value Added Services and Change Management. Meanwhile, I designed training courses on 'Mentorship for Start-ups' and on 'Strategic Product Development for SMEs'. In addition, I coordinated a 'Growth Accelerator with Innovation for SMEs Programme' and set up an Entrepreneurship Training Centre for YASAD, the Turkish Software Industrialists Association. In some ways I see innovation and supporting the entrepreneurship ecosystem as my life's purpose, and it's something that gives me energy."

"And then last year, with the announcement of Rudolf Haggenmüller on the time for a change in ITEA Chair, I gave thought to the idea of running for the chairmanship of ITEA. Then I decided to send in my Motivation Letter and my CV for an official application. During the year I had multiple interviews and some procedural aspects had to be adjusted here and there (like the need to change chairman to chairwoman – ☺) but the long and short of it all is that in January this year, I was appointed by general consensus and welcomed with open arms. So here I am, three years on from my last magazine appearance, ready for my next new big challenge."

Open innovation, open minds
"I remember back in 2004 when I first came into the ITEA Community, I was from a completely new country, from an SME, and I knew nobody in ITEA. Twelve years on, I am the Chairwoman of ITEA. I believe this reflects the magic of ITEA – open innovation is only possible with open minds and flexible structures. And this is one of the great strengths of ITEA – no entry barriers. ITEA is always open to share its knowledge, to collaborate with each other and to challenge each other in a sense of good will."

"This is something we can use to grow our brand, as it were, to expand our impact and

make ITEA more global. I want to make our success stories in ITEA known globally. By bringing in other countries and cultures, we will both strengthen and enrich our community with diversity. ITEA is not only about the research results but also enabling the commercialisation of these results. Commerce takes place on a global playing field and there are no borders to products and services or to buyers and consumers. From South Africa to Chile and from Canada to South Korea, our community will benefit from being open to create innovative products for global markets and to chase commercial opportunities together. The world is getting smaller all the time so if we can harness the power of open collaboration, the prospects for the ITEA Community can only get bigger."

All the world's a stage
"Of course, I am not advocating sudden rapid growth. We can't just add ten new countries at once. That would set a dangerous precedent. We must cherish our culture and harmonise little by little the culture that a new country brings with its research institutes, companies and public authorities. But it is certainly an aim to expand, step by step in a controlled way. Coming back to our commercial success stories, the more our projects receive international renown and capture worldwide imagination, the more we attract real interest from new countries in wanting to be part of such a community. We should be aware of the possibilities and challenge ourselves to expand in such a way that the whole community benefits."

"I guess that being in a country that straddles Europe and Asia, I am very well aware of standing on the bridge of two continents. And in my position now as Chairwomen of ITEA, I feel I am a kind of bridge, too. My experience ranges from North American to Europe and Asia and I really enjoyed being in different cultures. So having this multicultural background, I want to share my knowledge base to motivate ITEA countries and projects build bridges with each other, all around the world."

Touching down in Stockholm
"I am looking forward to the EUREKA Innovation Week in Stockholm at the end of April. It will be the first time I get to represent ITEA as Chairwoman on a very public stage. I do confess that I'm a little bit nervous – in a very positive way – and also really looking forward to the opportunity to spread happiness. That's definitely something I want to carry on from Rudolf. It makes me happy to know that ITEA makes people happy – I experience it personally. The impact of ITEA projects creates changes in many peoples' lives in a positive way. Therefore, happiness will certainly be a big factor in my new challenge!"

ITEA Success Story

NEXO

Universal card payment standards built upon the expertise of the ITEA EPAS project

By William Vanobberghen, Former Secretary General of nexo; initiator and coordinator of the ITEA EPAS project

The ITEA EPAS project was initiated several years ago in the framework of the SEPA (Single Euro Payments Area) project led by the European Central Bank and with the strong support of the European Commission. SEPA aimed at facilitating payments in Europe beyond national borders in order to achieve a single domestic market of payments.

The project, eventually retained by ITEA for funding, gathered various actors belonging to the European card payment industry such as Groupement des Cartes Bancaires, Ingenico, ATOS Worldline, Verifone, Wincor-Nixdorf, Total, Equens and many others. The aim of this project was to involve the main actors of the card payment industry to deliver global standards that would enable European retailers to rely on common specifications for their card acquiring operations.

This project would provide benefits to all industry stakeholders through the use of universal standards to be made available not only in Europe and SEPA but also worldwide. The standards would enable banks, retailers, card schemes, processors and manufacturers to rely on or to deliver on-the-shelf readily available specifications available free of charge to all card payment stakeholders as well as meet SEPA requirements for a single market for payments in Europe.

A singular success
The EPAS project was a major success since it became the reference for delivering a series of universal norms meeting the objective of SEPA as mandated by the European Commission and the European Central Bank. In October 2009, EPAS received a silver medal at the ITEA Achievement Award ceremony in Madrid for the outcome of its work. A formal legal structure was then set up with the aim of providing a global platform for the further maintenance and evolution of the standards and also of ensuring the promotion of those standards. EPASOrg was consequently created in Brussels in November 2009 in the

form of a not-for-profit international (A.I.S.B.L.) association governed by Belgian law. A year later (November 2010) EPASOrg delivered the very first series of universal ISO 20022 standards for card payments (ISO 20022 CAPE messages for acceptor to acquirer transactions and ISO 20022 CAPE messages for terminal management).

ISO 20022, an initiative set up with the active participation of SWIFT acting on behalf of the worldwide financial community, provides a single standardisation approach (methodology, process, repository) to be used by all financial standards initiatives. EPASOrg became the very first organisation to issue universal ISO 20022 messages for card payments following the same rules, methodology and processes as for all other universal financial messages developed for domains such as payments, securities, trade services and forex exchanges.

Agreements and cooperation
In January 2013, IFX (Interactive Financial eXchange) Forum – an international not-for-profit industry association whose mission is to develop

and promote adoption of open, interoperable standards for financial data exchange – and EPASOrg signed a Memorandum of Understanding where both organisations agreed to develop in common a series of new ISO 20022 standards for ATM (Automated Teller Machine) cash withdrawals and deposits. In October 2014, OSCar and CIR joined the EPASOrg legal structure to create 'nexo', a new name given to an organisation whose aim is to design, develop, promote and maintain card payment and cash withdrawal standards, protocols and implementation specifications under a universal ISO 20022 standardisation process.

Numerous key actors of the card payment industry decided to join the new enlarged structure so that today nexo counts among its members some key organisations such as ACI Worldwide, First Data, Visa, AMEX, Auchan, Carrefour, Total, AccorHotels, LVMH, BNP Paribas, UniCredit, Crédit Agricole Cards & Payments, Crédit Mutuel-CIC as well as most domestic card schemes in Europe.

As card tokenisation was becoming a major issue for both domestic and global card schemes over the past few years, nexo decided to issue an ISO 20022 Business Justification (the first steps of any ISO 20022 standardisation process) in February 2014 to initiate work in this particular domain with the aim of reducing card payment fraud; a major concern for banks, retailers cardholders and card schemes not only in Europe but also worldwide.

More recently, nexo signed a cooperation agreement with IFSF (International Forecourt Standards Forum) in the UK and Conexxus (fuel retailing and convenient stores industries) in the US aimed at supporting, with the nexo standards, the necessary data elements required by both the global petrol and convenient stores industries to conduct card payments on an international basis.

Implementing nexo standards

Today Europe is leading the implementation of nexo standards after some key European tier-one retailers active in both the petrol and retail domains requested their banks to support the nexo standards as a replacement for or in addition to the current domestic ones. In June 2015 nexo released a study entitled "*Understanding the benefits of adopting nexo standards*" (paper copies available on request). This white paper dedicated to retailers and commissioned to Edgar, Dunn & Company (EDC) outlined the benefits of relying on nexo standards to overcome the interoperability hurdles that exist today, especially in Europe, as regards cross-border card retail payments.

Edgar, Dunn & Company clearly stressed in its study the benefits for retailers to rely on open, universal and royalty-free international standards since the retailers interviewed by EDC considered those standards as the natural choice for next generation card payment processing systems. The study also revealed that the adoption of nexo standards as part of new payments platform could generate cost savings in excess of 20%, would reduce implementation time by at least four months and significantly improve retailers' purchasing negotiation positions and, last but not least, would reduce processing charges and lead to a market of cheaper point-of-sales terminals.

Several French banks are currently in the process of implementing nexo standards and major retailers such as Auchan and Carrefour have already announced their commitment to rely on the implementation of the nexo standards for their international cross-border operations. Retailers have reported that nexo would additionally generate efficiency improvements and increase competition across the different touch points of payments processing.

The revised Directive on Payment Services (PSD2) issued in late October provides the legal foundation for the creation of an EU-wide single market for payments. The revised regulation aims at establishing a modern and comprehensive set of rules applicable to all payment services in the European Union. The target is to make cross-border payments as easy, efficient and secure as 'national' payments within a Member State. The PSD also seeks to improve competition by opening up payment markets to new entrants, thus fostering greater efficiency and cost-reduction. At the same time the Directive provides the necessary legal platform for the Single Euro Payments Area (SEPA).

Not a case of 'if' but of 'when'

EPASOrg's initial choice within the ITEA programme to target SEPA requirements and opt for ISO 20022 – the choice of today's global universal financial industry – was a wise decision since there is a general consensus today to consider that there are no serious alternatives to using nexo card payment standards in the future. Major international card schemes such as Visa, MasterCard, AMEX and Discover have ultimately come to the conclusion that ISO 20022 in the card payment acquirer-to-issuer relationship would lead to a replacement of the ISO 8583 industry standard that is currently extensively used by networks and other industry stakeholders for card transaction processing worldwide.

It is now more a question of when to move to nexo card payment standards than whether to do so. The ITEA framework has therefore given to this European initiative the necessary incentives and impetus to initiate this important standardisation work which has become today the reference for card payments not only for Europe but also worldwide.

Community Talk with:
Ronald Begeer

"Together results can be achieved that really do have a considerable impact on strengthening our businesses and competitiveness"

In this Community Talk column Ronald Begeer considers his ITEA experience in the light of the significant role that digital video has played in the projects in which he has been involved and his particular role as ITEA steering group member. Ronald is currently Programme Manager at Philips Research and responsible for the Philips activities in ITEA and ECSEL. From the start Philips has been one of the founding fathers in ITEA.

"I recall the fascination I had with my very first Sinclair ZX80 some thirty-five years ago. I quickly caught the bug and went to study Electronics and Technical Computer Science. After I graduated in 1983, I joined Philips where I became involved in developing new innovative products, like car navigation systems, CD-I and DVD, digital set-top boxes along with digital television and natural motion. It was an exciting time, especially with the transition from analogue to digital taking place and with Philips at the forefront of the technology. My first contact with ITEA

came through an ITEA 1 project, Candela, which focused on video content analysis in combination with networked delivery and storage technologies. In fact, I worked on a series of projects where digital video played a key role – from set-top boxes to HD4U. It was in the transition from ITEA 1 to ITEA 2 that I became a steering group member as a vacancy was left open by the departure of my Philips colleague Jan Bomhof and I was nominated to fill the gap. Then, at the start of ITEA 3, I became involved in Healthcare projects like MEDUSA, SORTS and BENEFIT that saw the shift from Healthcare Diagnostic Systems to Image Guided Intervention. As a steering group member my responsibility is to manage the ITEA project portfolio in Philips as a mentor and to coach project leaders to become successful in their projects."

Ronald has witnessed a number of changes during his time in the ITEA set-up, especially the growing level of professionalism and the explicit focus on business impact through

its goals during the coming decade. "I think the value of ITEA projects is threefold. Firstly, cooperation and collaboration in the value chain accelerates the speed from idea to market. Secondly, it is good for our community to get to know each other and share knowledge and learning. Thirdly, working in a EUREKA or ITEA framework enhances the way we cooperate and it creates trust among the partners. This provides both a platform and springboard for companies to seize the high ground, by which I mean that together results can be achieved that really do have a considerable impact on strengthening our businesses and competitiveness."

"And yet," Ronald points out, "industry is becoming more and more aware that by strengthening our businesses and being more competitive, we have a responsibility to help tackle societal challenges. At Philips we're aiming to improve the lives of three billion people a year by 2025 by delivering healthcare and lighting solutions. We strive to make the world healthier and more sustainable through innovation."

"In terms of my own personal life, I have gained a lot from my dealing and contacts with the ITEA community. I like to meet people and learn from other cultures. Doing so brings you face to face with your own culture and enriches your life. ITEA has been a wonderful vehicle for that and I have taken the ride in that vehicle to many destinations, meeting some fascinating people along the way. For the meantime I'm still on that ride, and I hope to continue contributing to enrich the community for a while to come."
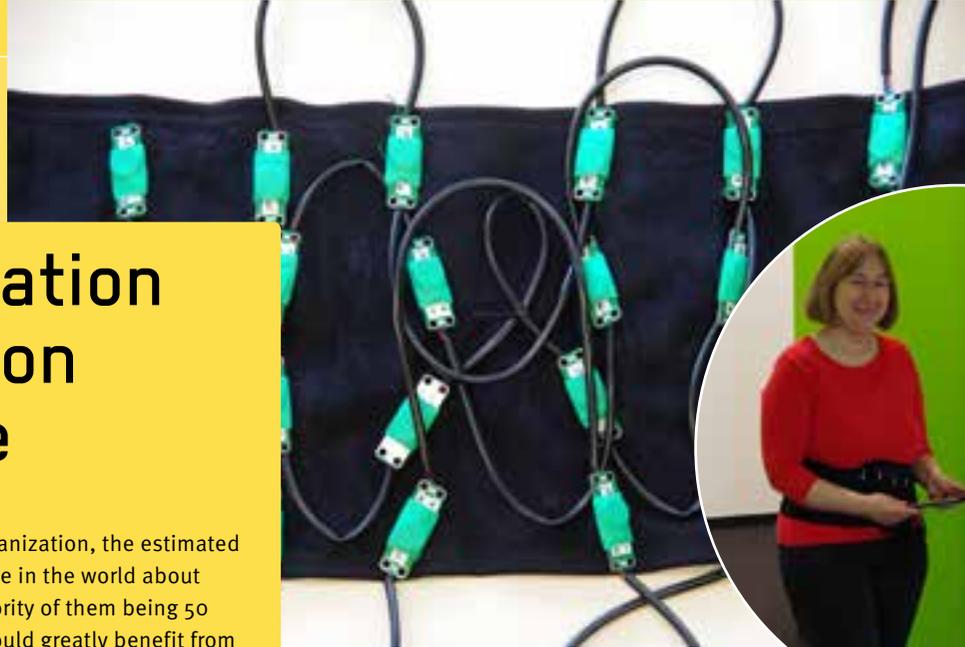
technological innovation, rather than purely the innovation itself, which has become much more of a feature in recent years. "The fact that ITEA has gone through a lot of changes is inevitable, really, especially in the light of the recent wave of economic crises over the past few years, the emergence of Smart Industry, a seemingly unstoppable trend towards globalisation and the addition of new countries in the EUREKA network like those from the former East Bloc, Turkey, South Korea, South Africa and Canada. This has resulted in a widening geographic scope and offers good potential for cooperation between the European industry and the rest of the world. In fact, European companies certainly stand to gain significantly from the opportunities not only to share knowledge but to access new sales markets."

The advent of SME influence is another trend that has been in evidence in the past decade. Ronald: "I have witnessed a high percentage of manpower now coming from SMEs. Of course, easy access to national authorities and national funding schemes encourages innovative SMEs to participate in ITEA projects, but the real 'miracle', if you can call it that, is contained in the relatively easy, bottom-up project definition. It lowers the barrier to participation. What's more, ITEA brokerage events are dynamic gatherings and they enable SMEs and larger corporate organisations to mingle and match on the basis of common and complementary knowledge and expertise. It's a real catalyst for collaboration with winners all round." It is in this aspect that Ronald believes ITEA projects can play a key role in helping Europe achieve

ITEA project results enhancing people's lives

New generation of navigation assistance

According to the World Health Organization, the estimated number of visually impaired people in the world about 285 million [4.24%], with the majority of them being 50 years or older. All these people would greatly benefit from assisting navigation devices that support them in their daily live. However, visually impaired people are still a very heterogeneous user group, with a variety of needs and expectations on assistance devices. As an example, user-studies indicate that many visually impaired users appreciate navigation assistance devices that do not attract the attention of other people. A haptic belt or other wearables, giving haptic navigation signals to a user are highly promising solution to satisfy this user expectation.

To make the development of navigation assistant devices for visually impaired people sustainable and profitable, it is necessary to benefit from the developments on the mass-markets for smartphone navigation and location-based services. To achieve this, FIONA creates an eco-system for navigation assistance solutions, that allows to easily share and re-use software components. Within the FIONA eco-system, software components, e.g., for localisation, navigation, or obstacle detection, can be easily used in different products, such as smartphone navigation or haptic navigation for visually impaired. As such, FIONA greatly supports a new generation of navigation assistance products that are tailored to individual needs of various user-groups.

ITEA 2 Project
FIONA

MERgE platform configurator

The MERgE project, with its focus on engineering for safety and security concerns, is coming to an end. A key result is the provision of a customisable platform, one that enables users to select or create tools to fill gaps or strengthen parts of their product life-cycle, and not be weighed down with excessive software or potential integration and usage problems. The platform was tailored to the needs of each demonstrator or kind of use.

The concept was extended to provide a "MERgE platform configurator" (MPC). This configurator, launched on a local computer, presents a list of the available software selected by the MERgE integration, and the compatibility between the software. Based on the recent evolution of the Eclipse Ecosystem, the MPC relies on the new online installer, more details of which can be found on the project's dedicated website, www.merge-project.eu.

So once the user selects their desired packages, they are automatically downloaded and integrated onto the platform. However, the platform is not only limited to these packages. Because the MERgE platform remains an integrated Eclipse environment, other Eclipse components may be added using the "add new software" command to extend it for new domains.

Ultimately, this platform configurator will help to deploy modelling technologies in new domains, leading to the global expansion of the modelling market across IT and industrial domains, and, mechanically, provide new opportunities for modelling companies to create new software or to extend their expertise.

The Dutch Ministry of Economic Affairs increases the budget for ITEA projects

The ITEA Office received good news regarding the available funding budget for ITEA in the Netherlands. The Dutch Ministry of Economic Affairs has decided to increase the budget for ITEA projects from 10 million euros to 14.256.000 euros in 2016.

2016 national application – streamlined process
Since the start of ITEA 3 in 2014, the ITEA Office, in close cooperation with the Public Authorities, has been continuously working on shortening the time from project idea (Call opening) to project start. In light of this, the Dutch Public Authorities (RVO) have adapted their National Application Calendar to be better aligned with the ITEA Call calendar.
For 2016, the RVO national application Call for projects that received an ITEA label, will open on 14 March. The submission deadline is 8 April, 17:00 CET. The hearings on national level are expected mid-May. The formal commitment or rejection letter is then expected to be before 1 July 2016.

2015 results
Looking back, for 2015, the Ministry reported on the following positive results for ITEA:

The Dutch budget for ITEA projects of 9.7 million euros, has resulted in Dutch R&D participation worth 23.2 million euros and international R&D

participation (Dutch + international project partners in the project) worth 59.2 million euros.

Source: Staatscourant

Join us for the new Call – 13 September!

The Dutch government attaches great importance to ITEA, which is underlined by this substantial budget increase. It encourages Dutch partners to get involved in the new Call for Projects, which opens on 13 September. ITEA will launch its third Call for project proposals in conjunction with the ITEA Project Outline (PO) Preparation Days in Paris on 13-14 September.

Project idea tool for ITEA 3 Call 3 open now
To optimise your preparation period, it is recommended to start shaping your project idea(s) and consortia in advance. The ITEA Community Website comprises of a set of tools, including the Project idea tool, which will support you in making a flying start! For more information, go to https://itea3.org/getting-started.html

SME in the spotlight

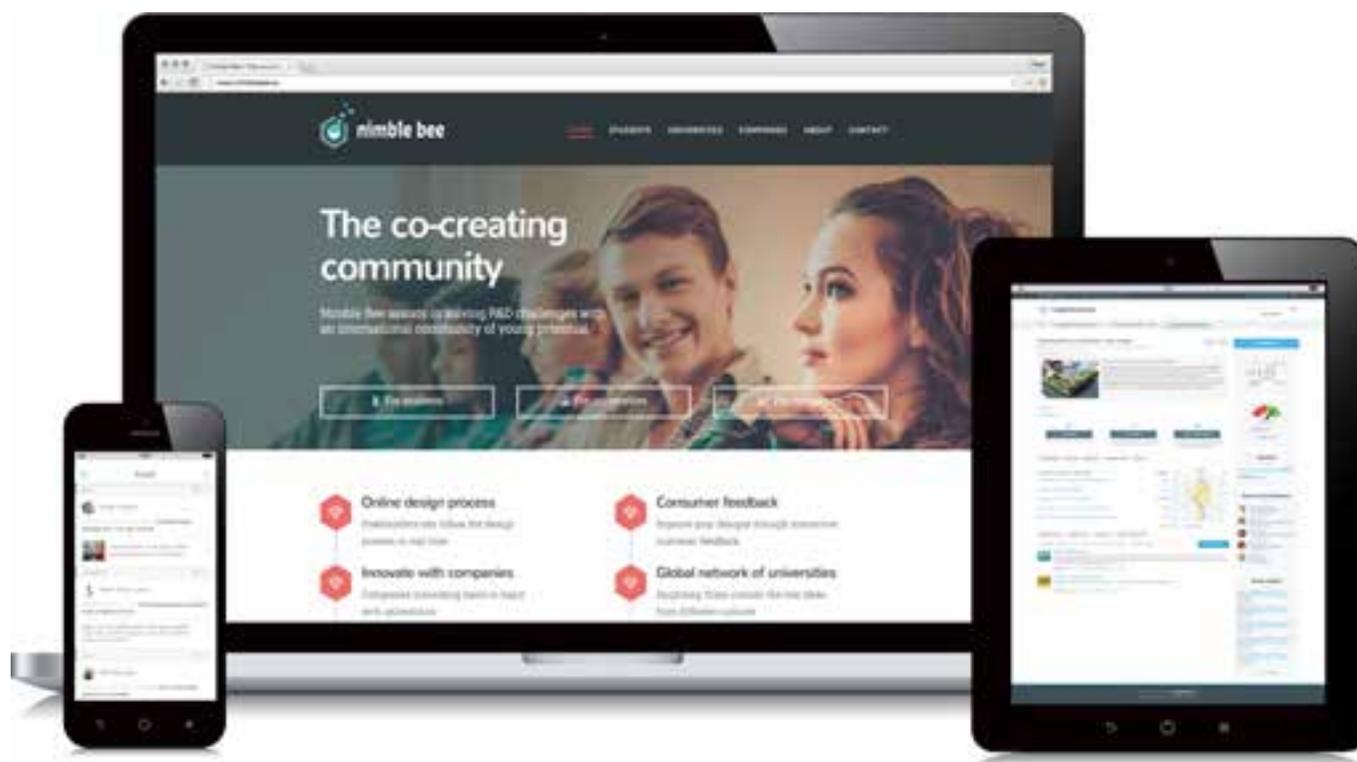## CogniStreamer: Social and collaborative technology as innovation enabler

"Introducing innovation is not just a matter of buying a good tool and then getting started but it is essential to have the right prerequisites, resources and attitude to develop a sustainable environment in order to pick all the fruits of this investment. And people." Wim Soens, Director of Innovation, Research & Development at CogniStreamer, is a strong believer in the power of people when it comes to successful innovation.

Four years after joining Point X, an internet company specialised in multimedia and web development (currently the Indie Group), Wim Soens started the CogniStreamer project in 2000. In 2008, CogniStreamer became a fully independent software company and is now market leader in collaborative innovation software and services.

Wim, double Master of Science in Industrial Engineering and in Business Engineering, explains how it all began. "We started as one of the first web developers back in 1996 and four years later we got a request from one of our clients to develop a corporate intranet application to support the R&D department in their stage-gate innovation process. The purpose of the web application was to make this process more efficient and transparent to their research community. Our client's customers saw this application and they too became interested. It was then that the CogniStreamer idea was born."

At the time, CogniStreamer, as a naked software product did not appear to signify any kind of major turning point and indeed since it was a completely different business model to the core business – project-based web development – it

stayed quite modest for a few years. The software was initially licensed with just technical support and maintenance, but after a while the business opportunities for additional innovation services became too attractive to ignore and Wim devoted himself to turning CogniStreamer into a self-sustaining and scalable business.

People as catalyst
"CogniStreamer is now one of the top five companies worldwide in its domain," Wim says. "We are now establishing country offices around the world and continuously investing in next-generation technology. We realised very quickly that our solution was not, in fact, naked software but innovation ecosystems – communities of people that share knowledge, generate ideas and collaborate to build great products and services, powered by social software. These days there is a growing need to accelerate innovation and open innovation ecosystems are a great way to achieve this. So the people aspect has become very crucial. For instance, our software can help to search and find subject matter experts, but you also need the people – we call them hubs or connectors – that do the scouting and act as intermediaries to initiate the conversations between those often isolated experts. It is also

equally important to create an environment of trust because the kind of knowledge being shared is sensitive and normally related to intellectual property issues. So, no trust, no sharing. Our software can help create this environment of trust – providing tight control over who gets access to what, where and when."

Powerful ecosystem in microcosm
It is in this role as technology developer that Wim realises how difficult it can be to grow a company on a standalone basis, and therefore public funding and project programmes like ITEA can give the vital boost that is necessary to acquire the means to do this. "We needed to build knowledge – about semantic technology, social science, big data analytics and algorithm development – all stuff that was completely new for us. Such projects allow one to collaborate with knowledge centres and universities to access the fundamental research knowledge. For us in Belgium the ITEA programme is a kind of an add-on, coming on top of the national programmes. But this extra component is a real added value because of the people aspect again. A good international consortium mobilises a broad mix of experts centring on a single research theme or topic. And if it also comprises a good blend

of use cases from large and small companies, research institutes and universities, then you create a very powerful ecosystem – a kind of microcosm of what you would see in a Silicon Valley ecosystem, with the funding agencies replacing the venture capitalists. For example, in the ACCELERATE project we are involved in, everyone is doing different things but with the same goal: accelerating innovation. I find all the different concepts, uses cases and prototypes that are brought in during consortium meetings to be inspiring. ITEA is the glue that holds the consortium together as well as a catalyst for validating the results, like the Nimble Bee programme, developed during the course of the project and already commercialised, which assists in solving product & package design challenges with an international community of university students."

More info:
www.cognistreamer.com
www.nimblebee.university

ITEA Success Story

NEXXIS

Barco's main result of the ITEA 2 MEDIATE project improves the quality of care for patients and enhances clinical efficiency

By Dominique Segers (Project Manager External R&D and Innovation Programmes) and Andy De Mets (Coordinator External R&D and Innovation Programmes), Barco

The costs of sustaining healthcare are rising constantly: the global medical technology market, including devices used for pharmaceutical purposes, is in the order of 400 billion euros with a growth rate of 5% per year. Europe spends approximately 10% of its GDP on healthcare. Due to ageing of the population and increase of chronic diseases, growing numbers of patients require complicated surgical interventions, which may increase healthcare costs even further. One way to combat this trend is the replacement of conventional open surgery procedures by image guided, minimally invasive procedures as these have proven to improve patient outcome and reduce costs. This kind of intervention started with treatment of obstructed arteries but improved techniques and tools are extending this quickly to other clinical domains such as cardiac, oncologic and orthopaedic surgical procedures.

Complete solutions, single supplier
The ITEA 2 project MEDIATE has improved these minimally invasive procedures by developing new imaging protocols, interventional tools and an architecture that fully integrates all medical imaging sources, displays and therapeutic devices into the interventional workflow, including optimised UI's and decision support.

Hospitals are increasingly asking for complete solutions for their intervention rooms, preferably to be delivered by a single supplier but including third party systems. This may include long-term service contracts, with the obligation to the supplier to keep the equipment up to date for an agreed price. While this reduces financial risks for hospitals, suppliers are required to provide an open and flexible architecture that can cope with future adaptations and extensions of the equipment. MEDIATE fits this trend perfectly, as has been proven by new alliances and quick market acceptance of new products for intervention room integration by Barco and Philips, among others.

IP centric solution for digital operating rooms
Barco, one of the key consortium members, has used the results of the MEDIATE project to create its Nexxis platform, an IP-centric solution for video and image management and distribution in the next-generation digital operating room where, traditionally, AV systems connect devices like endoscopy cameras, computers, scanners and surgical displays. Nexxis, on the other hand, uses a high bandwidth 10 Gbps IP network to integrate surgical equipment. This unique video distribution-over-IP approach

installation of Barco Nexxis, which will form a critical part of their new digital operating room infrastructure. Today, already over 500 operating rooms have installed Nexxis within Europe. Furthermore, the Nexxis system has been selected as the integration and visualisation backbone by leading suppliers of Operating Room equipment, like Karl Storz, Merivaara and Brainlab. The system has been showcased at many medical and commercial conferences, showing Barco as an innovative supplier of new IT solutions for healthcare, in addition to its leading position in medical displays.

Furthermore, Barco has embraced an Environment, Health, Safety And Security Pledge and is committed to conduct business in such a way that the environment is respected, preserved and whenever possible improved. Therefore, Barco introduces products, systems and services in the company's markets that are safe for their intended use, efficient in the use of energy, protective of the environment, and that can be reused, recycled or disposed of safely. More specifically with respect to Nexxis, the integration of all relevant medical information and flexible UI will improve the quality of care for patients and enhance clinical efficiency, and thereby help to counter rising healthcare costs for society. Real-time distribution of images and audio via IP by Nexxis enables tele-consultation of medical colleagues from centres of excellence to improve decision making in peripheral hospitals.

ensures high-quality imaging and enables a smooth distribution of uncompressed medical video, graphics, audio and computer data throughout the operating room with near-zero latency. This open system with its 'plug & play' enables medical equipment to be rolled into the operating room and be instantly connected.

Barco benefited from the MEDIATE project by cooperating with multiple partners in MEDIATE, who linked up to the Nexxis API's to add and test new features to the system such as natural UI's. These have been shown in demonstrators. Furthermore, the collaboration with some of the hospitals in the consortium has resulted in clinical feedback on requirements for optimal display and configuration of images. "For Barco,

the collaboration in the ITEA 2 MEDIATE project was key since the operating room market was a new domain for Barco and through the project we were able to interact and work together with international partners that have already been active for many years in this domain. The close interactions within the consortium were very useful for Barco, since quite a few hospitals worked with the consortium to define clinical requirements and were available to give feedback on the progress as well as the final demonstrators."

Safe, efficient, protective and reusable
Already in March 2013, Barco announced that ten leading hospitals in Belgium and the Netherlands had signed a contract for the

"As Nexxis is Barco's video-over-IP platform for the integrated digital operating room, in future we will continue to expand the scope of opportunity for Nexxis with features like enhanced 4K capabilities, creating additional inroads to cathlabs and endoscopy applications."

European-Indian Collaboration: the digital imperative

In this issue's Viewpoint, Vidhya Sampath, Director of Public Affairs and Policy, Europe at Tata Consultancy Services, a global technology services provider with strong ties and investments in both India and Europe, considers the case for stronger collaboration between Europe and India in which programmes like ITEA and organisations like Tata Consultancy Services strive to support collaborative initiatives in digital technology for a better world.

Europe and India are global economic entities that share uniquely parallel profiles. Both regions have managed to unify very diverse peoples and forge a distinct common identity while preserving some of the world's oldest cultural legacies and languages within their respective borders. However, in the past year, another promising parallel has emerged between the two regions, one that is based in the digital revolution that influences the vast majority on the planet and will transform lives in the decades to come. Both regions have decided to make the digital economy a priority area of their respective governments' agendas, thereby creating a new digital imperative that

will intensify the collaboration between Europe and India.

Parallel ambitions
Europe's ambitious priority programme to create a Digital Single Market across Europe focuses on the better integration of digital markets and removing barriers to cross-border online trade thereby supporting the three-pronged European agenda of increasing growth, jobs and skills. And in striving to achieve a European Digital Single Market, programmes such as ITEA play a key role in:
- promoting access to digital goods and services,

- improving digital infrastructure and market conditions,
- maximising the growth potential of European digital economy through investment in ICT technology, innovation and skills.

Launched in July 2015, the Digital India initiative of the Government of India expressed a similar set of ambitions:
- to improve the delivery of digital services to its citizens,
- to create and improve digital infrastructure and connectivity,
- to boost digital literacy and empowerment through ICT.

Moreover, both India and Europe are working on reforming and transforming key sectors, such as Telecom where ICT is a key enabler, to standardise and harmonise policies with respect to technology tools and technology areas such as the Cloud, Internet of Things, Big Data, Security, IPR and Mobile Technology. The striking commonality in the digital ambition has given rise to a positive view on both sides on the potential for 'new synergies' and the 'natural partnership' between the two regions.

Complementary expertise

There are complementary competencies in the two regions that further support this. Europe has been an innovator in emerging ICT technologies and still leads the way in the area of standardisation, where India lags behind and is in need of long-due reforms across a myriad of business and technology domains to sustain growth and increase external trade. This valuable expertise, present in the strong design, engineering and R&D competencies that make Europe the most innovative region worldwide, is much sought after in India. Indeed, a study by Europe India Chamber of Commerce shows that Indian companies have invested more than EUR 50 billion in Europe since 2003, EUR 16 billion of which was invested in Greenfield projects, the rest being spent on mergers and acquisitions[1]. So, in terms of the technical and financial collaborations approved by Indian authorities, Europe is one of the major sources of technology transfer to India[2].

On the other side, the Indian government has also made remarkable progress on using the power of information technology to make way for citizen inclusion, enablement and delivering transparency and efficiency at a globally unparalleled scale. India is also building digital skills through the ambitious Skill India programme to develop a skilled worker base of 4 million by 2022 that features forward-looking ideas such as improving curricula through closer ties with industry and 'recognition of prior learning' to recognise and officially certify existing 'native' IT skills amongst the young 'diginatives' of today. These innovative initiatives, especially the focus on speed and efficiency in building skills, can be valuable lessons for Europe and, indeed, European companies are supported by their substantial Indian employee bases (sometimes more in number than in their home country) providing services and working on research and innovation[3].

Strengthening ties

Various recent initiatives have been launched to strengthen collaboration such as the EU Indian Trade and Investment Partnership Summit 2015, on 30 September 2015 at the European Parliament in Brussels in which EUREKA representatives took part. EUREKA, the platform for global industrial research and development and its success stories including the EUREKA Smart City initiative are of key interest to India; India has decided to develop 98 'smart cities' across the country at a cost of one trillion dollars in order to create urban spaces where green, high-tech initiatives bring more efficient management of resources, including water and energy, and better services to citizens.

Other examples include the Digital India Roundtable event in Brussels in April 2015 on defining new standards for domains like telecom security, energy-efficient ICT and emerging technologies, and the SEU-IN[4], which focuses on globalising the start-up ecosystems of the two regions to boost collaboration, growth and investments within and between the ecosystems to encourage cross-border collaboration and eventually bilateral trade. On the projects front, over 250 Indian research entities participated in joint projects under Europe's 7th Framework Programme. Finally, a new initiative launched by the EU in October 2015 promotes collaboration between European and Indian social science and humanities researchers, among other things in the area of use of data, metadata and new digital media technology in research[5].

Collaboration by default

At Tata Consultancy Services, we support initiatives in and across both regions to create a healthy environment in which society, industry and academia can flourish, whether bilateral agreements, mutually beneficial regulations or programmes to build human capital. An example: as part of a campaign to give voice to Europe's 90 million strong youth population, Tata Consultancy Services built a programme that creates meaningful dialogue between government, industry leaders and European youth. With tIn a recently-launched programme endorsed by the Prime Ministers of India and the UK, the TCS Gen UK-India project will help build ICT skills in over 1000 young Britons[6].

The fundamental core of how we live our lives being transformed by technology and at a previously unimaginable speed, leaders in both Europe and India need to grasp the opportunity to grow the existing relationship between the two regions and get it to a higher plane. Tata Consultancy Services firmly believes that the 'default is digital' – in other words, the future of this planet will be shaped by digital technology. Therefore we, and the governments that serve us, must be digital by default[7]. By extension, collaboration between Europe and India must also be the default setting.

1 A. Charlie, *Indian Companies in European Union*, Brussels: Europe India Chamber of Commerce, 2012.

2 G. Sachdeva, 'India-EU Economic Ties: Strengthening the Core of Strategic Partnership' in L. Peral and V. Sakhuja, (Eds) *Europe-India Partnership: Time to Go Strategic?*, Paris: EUISS, 2012.

3 http://ec.europa.eu/trade/policy/countries-and-regions/countries/india/

4 https://ec.europa.eu/digital-agenda/en/news/startup-europe-india-network-launched

5 http://www.aka.fi/en/about-us/media/whats-new/2015/promoting-research-collaboration-between-europe-and-india-through-joint-symposia/

6 https://www.britishcouncil.org/organisation/press/1000-indian-internships-help-uk-digital-skills-gap

7 http://www.tcs.com/resources/white_papers/Pages/digital-by-default.aspx

Energy efficiency
sustainable, secure and smart

The two ITEA projects SEAS and FUSE-IT present a double-edged sword that cuts through the dilemma of efficiency and security in the area of energy management, especially in respect of smart grids and intelligent buildings. A joint demonstration at Gazi TechnoPark (Ankara) is revealing the benefits of the SEAS data knowledge model and platform and the FUSE-IT advancements in energy efficiency, cybersecurity and security.

Two ITEA 2 projects are having a significant impact on one of the major societal challenges of our time – energy. And they are doing so in a way that will sustainably benefit both suppliers and users as well as society as a whole.

FUSE-IT is geared to solving the dilemma between efficiency and security in intelligent buildings by stimulating cross-domain innovation between activities that are traditionally very segmented, with advanced data processing and analysis the key capability. The project has focused on developing a Core Building Data Processing & Analysis module to process data received from interconnected

secured share sensors, effectors and devices with, at user-level, a smart unified building management interface to enable daily monitoring and control of buildings along with a full security management interface to supervise the security aspects. The SEAS project links the consumption and production of energy according to the user's needs in situ in real time with the aim of enabling 'communication' between energy production and related data, from whatever source, to energy consumption, regardless of location, time and use. Hence the acronym SEAS, or Smart Energy Aware System, an intelligent electrical energy knowledge model that will

Project details
12004 SEAS

Project leader
Philippe Bourguignon
GDFSUEZ

Partners
Belgium
SOLTECH

Finland
Asema Electronics
EKE-Finance

Empower
Foreca
Fortum
VTT Technical Research
Centre of Finland Ltd.

France
ARMINES
BeNomad
CEA LIST
CEA LITEN
Clipsol
CNR
ECOMETERING
GAC Group
GDFSUEZ
ICAM
Institut Mines-Télécom
ITRON
Kerlink
UBIANT

Portugal
Evoleo Technologies
ISA Energy Efficiency
ISEP / IPP-GECAD

Romania
ECRO
Siveco Romania

Turkey
Defne
Enerjisa Başkent Elektrik
Innova IT Solutions Inc
LNL Elektrik Elektronik Bilisim
ve Danismanlik Ltd. Sti.
SimBT Inc.

Start date
February 2014
End date
December 2017
Website
www.the-smart-energy.com

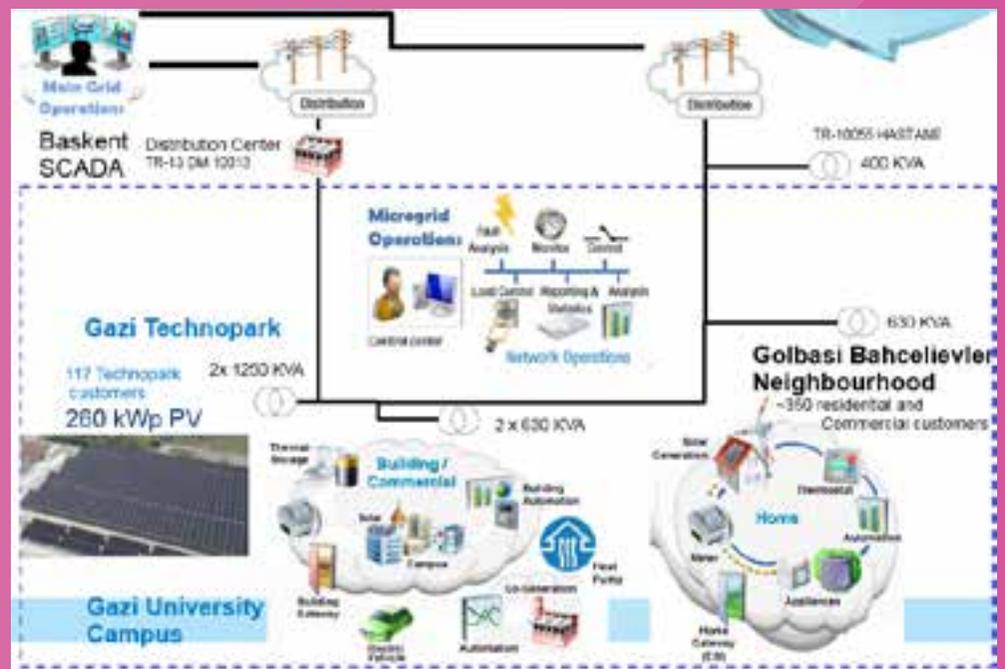facilitate a shift from static to dynamic energy management.

Gazi TechnoPark
To demonstrate the sustainable, reliable, user-friendly, efficient and secure Building Management System of FUSE-IT in the context of critical sites and the data knowledge model and platform created by SEAS in the context of critical sites, a kind of Living Lab experiment is ongoing at the Gazi TechnoPark in Ankara.

With Turkey's need for energy increasing year on year and a significant portion of this need coming from abroad, the Gazi TechnoPark attaches great importance to smart and green energy systems. Integrated within the Solar Energy Systems project there, FUSE-IT provides Smart Building Management, Energy Management and Building Security Management while SEAS enables the interworking of energy, ICT and automation systems with full openness. Here, in close collaboration with Başkent Electricity Distribution company, the opportunity has been seized by the two projects to both benefit and learn from this unique environment: FUSE-

IT benefits from the data knowledge model and platform, such as trusted forecasting and billing, machine learning of user preferences and secure load profiling, while SEAS benefits from the advancements in energy efficiency,

cybersecurity and security aspects such as metering and early warning of possible cyberattacks.

Data knowledge platform
The SEAS data knowledge platform is an exchange platform to enable energy system interoperability. As being demonstrated in Turkey, this will facilitate energy market participants to incorporate micro-grid environments and active customers whereby utilities act as interworking enablers and ICT companies as open service providers. Platforms for handling and processing data are key to future energy markets. The SEAS market model is based on three options: Distribution System Operator (DSO) as market facilitator, Central Data Hub (CDH) and Data Access point Managers (DAMs). The first option is the de-facto model in countries with just one DSO (e.g. Ireland) while the second option has been actively used in Denmark since the winter of 2012/2013 and will become active in the UK after the smart metering roll-out. In terms of DAMs, with no unique central data hub, a new commercial role is paved for market actors responsible for enabling authorised parties to retrieve data directly from the meters. Finland is considering this model.

The business impact of long-term R&D with SEAS viewed as input will become evident in

"The energy supply is not only sustainable but manageable and secure"

Project details
13023 FUSE-IT

Project leader
Adrien Philippe Bécue
Cassidian Cybersecurity

Partners

Belgium
iMinds
linkID
Niko

France
ARC Informatique
Cassidian Cybersecurity
CEA
ICAM
Institut Mines-Télécom
Sogeti High Tech
Thales
Thales Services
University of Burgundy
Unversity of La Rochelle
VTREEM

Portugal
Centro Hospitalar São João
Evoleo Technologies
IPBRICK
ISEP
ISQ

Turkey
CTech
Mos Information
Technologies

Start date
October 2014
End date
October 2017
Website
www.itea2-fuse-it.com

the decentralised production of cheaper energy on the grid and grid storage. In the context of real-time, telecommunication will become faster and cheaper while for smart grid data, benefits will be derived in terms of cloud computing specifications and costs. New business models will emerge for grid services – aggregators, energy storage operator, micro-grid operator – and the standardisation process of the knowledge model will have an impact on software deployment and local hardware production (better guidelines).

Building as a Microgrid
FUSE-IT's Smart Secured Building System will be marketable as standalone components or a fully integrated system to address either existing or new smart critical sites. It will contain a service to enable trusted building and/or security management operations that will reduce the cost of investment and allow full benefit to be derived from big data analytics. It proposes a new prosumer business model – Building as a Microgrid – that caters for a wide range of customers in both the public and private sectors who are keen to exploit their

buildings by themselves. The value proposition is based on enhanced reliability, with near 100% uptime for critical loads, cost reduction whereby buying energy in peak periods is avoided and consumption is reduced, and better energy quality and use of renewable and cleaner sources. All this is supported by better security, both physical and cyber. Potential exists for more business models with demand response services for the building (services to the grid), aggregation of building users and/or buildings, and a building management system that supports the electricity market.

The long-term R&D with input from FUSE-IT will see an extension of the FUSE-IT building management system (BMS) concept to microgrid level, providing reliable, efficient and secure Micro-Grid Management Systems (MGMS) and including cybersecurity and physical security aspects along with energy efficiency and ancillary grid services like frequency and voltage regulation, peak shaving, load management, etc. The impact of the smart building on the smart microgrid will be evident in the islanding functioning effect

on the grid and costs. The BMS and MGMS interactions will optimise the data exchange specifications, cybersecurity and the like.

The big winners
The gains from the advances made in energy management and security by SEAS and FUSE-IT have a wider impact that goes beyond the business benefits. Reduced consumption and greater use of renewable sources diminish the CO_2 footprint. Also, local energy consumption means fewer transport movements and losses, and therefore higher productivity and lower costs. While the two ITEA projects are making great strides and progress, the results being achieved, and indeed being demonstrated in Turkey, are not the end of story – in fact, future application will affect the lives of every user of energy, industrial or individual. Efforts will continue to ensure that the energy supply is not only sustainable but manageable and secure, and that responsibility is shared. SEAS and FUSE-IT are helping to build a platform that will facilitate a smart, secure and sustainable energy supply.

Reconsurve SotA on maritime surveillance

By Philippe Letellier

Reconsurve is recognised as a big success story for its ability to mobilise end users to steer the R&D project. At each step, from the early specification to the final real-life demonstrations, the consortium managed to gather end-user inputs and their evaluation of the results. Beside this end-user focus, they also delivered a top-quality, state-of-the-art document.

It covers maritime surveillance systems and thus all the technologies along their sophisticated technical value chain as well as technologies along these different themes:

- **User interfaces:** characterised by multiple-display visualisation capabilities, voice interface for hands-free queries in conjunction with visual and tactile interfaces. Automatic dissemination of critical event notifications using the so-called "Smart-Push" communication
- **Sensors:** solutions for operator data overloads, sensor data analysis, high semantic-level reasoning to detect suspicious situations
- **Dynamic scenarios:** threats and scenarios changes, surveillance systems collaboration, systems of systems, legacy systems interoperability, flexibility, re-targeting the use of the system, behavioural analysis
- **Interoperability:** metadata conversion and open formats, smooth communication between different surveillance systems, plug-and-play sensors as well as plug-and-play systems of systems, fused information, semantic interoperability, semantic web, ontology

This long list shows that this ITEA project had to master a very large amount of technologies whose technical value chain is very sophisticated. The added value of this

document of analysing all these technologies with an integration and interoperability target is very clear.

Besides the pure state of the art, the project has clarified a large standardisation landscape to be able to ensure for all the system layers that some interoperability of functionalities exists at both the component and system-of-systems level. It covers the main relevant standards:

- OGC Sensor Web Enablement
- Description Logics Reasoners
- Joint Consultation, Command and Control Information Exchange Data Model (JC3IEDM)
- Semantic Web Technologies
  - Semantic Web
  - Ontology
  - Web Ontology Language (OWL)
- Web Services
- Data Distribution Services (DDS)
- UN/CEFACT Unqualified Data Types
- OASIS Common Alerting Protocol (CAP)

Such a long list of relevant standards is interesting to go through to understand the potential of interoperability at all these layers. Some of them like semantic web or OASIS are also covered in a few other documents in the ITEA SotA Database. Nevertheless, it is interesting to have them all together with this system approach.

I encourage you to read this document, I assure you that it will not be a waste of your time.

Calendar

7 April
HOLLAND HIGH TECH EVENT 2016

Eindhoven, the Netherlands
🌐 http://www.hollandhightech.nl/nationaal/
actueel/agenda/holland-high-tech-
event-2016

12 April
EIT DIGITAL CONFERENCE
Brussels, Belgium
🌐 http://www.eitdigital.eu/conference/

13-14 April
ARTEMIS SPRING EVENT
Vienna, Austria
🌐 https://artemis-ia.eu/springevent2016/
spring-event-2016-1.html

19 April
TNO-ESI SYMPOSIUM 2016
Eindhoven, the Netherlands
🌐 http://www.esi.nl/symposium/

25-29 April
HANNOVER MESSE 2016

Hannover, Germany
🌐 www.hannovermesse.de

25-26 April
INNOVEIT 2016 - EIT INNOVATION FORUM

Budapest, Hungary
🌐 http://eit.europa.eu/interact/events/
INNOVEIT-2016

26-29 April
EUREKA INNOVATION WEEK

Stockholm, Sweden
🌐 https://www.delegia.com/app/attendee/
default.asp?PageId=43344&MenuItemId=3
8922&ProjectId=7272

28 April
ITEA EVENT 2016

Stockholm, Sweden
🌐 https://itea3.org/itea-event-2016/index.
html

28 April
**EURIPIDES² & PENTA CONSORTIUM
BUILDING DAY**

Stockholm, Sweden
🌐 http://www.eurekanetwork.org/content/
euripides%C2%B2-penta-consortium-
building-day

28-29 April
CELTIC-PLUS EVENT 2016

Stockholm, Sweden
🌐 https://www.celticplus.eu/event/celtic-
plus-event-2016/

28 April
IMINDS: THE CONFERENCE

Brussels, Belgium
🌐 http://www.iminds.be/en/the-
conference-2016

1-2 June
EUROPEAN BUSINESS SUMMIT
Brussels, Belgium
🌐 http://www.ebsummit.eu

SAVE THE DATE

13 & 14 September 2016
**ITEA 3 PROJECT OUTLINE PREPARATION
DAYS 2016**

Paris, France
🌐 www.itea3.org

EUREKA Intercluster committee – change of spokesperson

The EUREKA Intercluster committee gathers all EUREKA Clusters and has a rotating spokespersonship.

During the Swedish Chairmanship (2015-2016) ACQUEAU Chairman Xavier Chazelle assumed the position of the EUREKA Intercluster committee spokesperson. Xavier Chazelle resigned as ACQUEAU Chairman in January

2016. Since then, Rudolf Haggenmüller, member of the ITEA Presidium until the end of June 2016, temporarily replaces Xavier Chazelle as the Intercluster spokesperson until the EUREKA Chairmanship hands over to Spain in June 2016.

E!nnoVest: How to raise capital for the growth of innovative SMEs?

In January 2016, the EUREKA network launched a new programme: the EUREKA InnoVest Programme (E!nnoVest). It aims to boost the investment awareness and readiness of EUREKA innovative SMEs, promote these companies towards the investment community and actively facilitate investment matching with experienced investors.
Specifically, E!nnoVest will:

- Increase EUREKA companies' investment readiness through live webinars, regional venture academies and one2one mentoring held by seasoned business coaches
- Provide EUREKA SMEs with investment readiness tools
- Maximise companies' exposure to active International Venture Capitalists and Business Angels in the ICT, Life Sciences and Clean Technologies sectors
- Match companies with specialised investors and technology experts, especially at cross-border level

E!nnoVest is organised by EUREKA in cooperation with EBAN, EBN and Europe Unlimited, and it is the second edition of the Eureka High-tech Investment Programme (EUREKA HTIP) pilot programme, which took place in 2015.

EUREKA initiated E!nnoVest as a new EUREKA instrument in order to leverage one of EUREKA's main assets – it's incredibly rich reservoir of innovative companies. The programme is one of EUREKA's priorities this year under the Swedish EUREKA Chairmanship, and serves as part of EUREKA's efforts to develop new sources for funding innovation in Europe.

For additional information regarding E!nnoVest please visit the website: www.eurekainnovest.eu

Source: EUREKA Network – www.eurekanetwork.org

EUREKA plans an impact assessment of EUREKA Network Projects and Clusters Projects

Early 2016, EUREKA published a call for tender referring to the Impact Assessment of EUREKA Network Projects and Clusters Projects.

This study will investigate the benefits accrued by participants in EUREKA Network Projects and Clusters Projects in the period 2001-2015, focusing on outcomes and impacts in terms of international collaboration and networks, as well as innovative outputs measured by IPR and other key indicators of company performance.

Source: EUREKA Network – www.eurekanetwork.org

ITEA 3		28 April	ITEA Event 2016	Stockholm, Sweden	www.itea3.org
		13-14 September	ITEA PO Days 2016 - SAVE THE DATE	Paris, France	
Celtic-Plus		28-29 April	Celtic-Plus Event 2016	Stockholm, Sweden	www.celticplus.eu
		25 May	Deadline Spring Call		
EURIPIDES²		28 April	EURIPIDES²-PENTA consortium building day	Stockholm, Sweden	www.euripides-eureka.eu
		12 May	Submission deadline - Full Project Proposals Spring Call 2016		
EUROGIA2020		23 May	Next Cut-Off date		www.eurogia.com
PENTA		28 April	EURIPIDES²-PENTA consortium building day	Stockholm, Sweden	penta-eureka.eu

Colophon