

EIRICT Newsletter: 2015-03

In this newsletter:

- 3TU.NIRICT: a new start
- IPN
- Report EIRICT 2012-2014.
- ECSEL Call 1a and 1b, 2014.
- ECSEL Calls 2015
- ITEA 3 Call 1 (2014-2015)
- ITEA 3 Call 2 (2015-2016)
- Horizon 2020 Calls 2014-2015
- EIT ICT Labs
- Impuls 1 and Impuls 2
- New & Open Calls
- Upcoming Events

For more information, see also the [EIRICT website](#).

3TU.NIRICT

A new start

NIRICT, the Netherlands Institute on Research in ICT, was founded in 2007/2008 and is part of the 3TU federation. It has been an instrument for representing ICT education and research in the Netherlands. A number of achievements of 3TU.NIRICT so far have been reported in a previous issue of the EIRICT Newsletter (2014-06).

In the fall of 2014 the participating departments at the 3 TU's (EEMCS @ TU Delft, EEMCS @ University of Twente, EE @ TU/e and M&CS @ TU/e) decided for a revised mission and for a new management structure for 3TU.NIRICT.

The focus of NIRICT will now be on three aspects:

- Community building.
- Research project portfolio management, in phases:
 - Exploration
 - Development
 - Transfer
- Cooperation in education.

Key people in 3TU.NIRICT

The daily management of 3TU.NIRICT consists of Inald Lagendijk and Birna van Riemsdijk from TUDelft, Maarten van Steen and Marieke Huisman from University of Twente and Johan Lukkien and Sander Stuijk from TU/e. [Inald Lagendijk](#) has been appointed as Scientific Director of 3TU.NIRICT. He is the director of DIRECT @ TU Delft and is also a member of the recently formed Top-Team ICT (Chairman: René Penning de Vries) in the structure of Top-Sectors of the Ministry of Economic Affairs. As of 2015-01-01 [Maarten van Steen](#) is the new director of CTIT @ University of Twente. The management team of 3TU.NIRICT reports to the deans of the participating departments (Rob Fastenau @ TU Delft, Peter Apers @ University of Twente, Emile Aarts and Ton Backx @ TU/e).

The responsibilities of the new management team of 3TU.NIRICT for the three major tasks of 3TU.NIRICT are divided as follows:

Community building	Inald Lagendijk, Sander Stuijk
Research project portfolio management	Maarten van Steen, Birna van Riemsdijk
Cooperation in education	Johan Lukkien, Marieke Huisman

3TU.NIRICT Meet-up

On 2014-12-09 the first annual [3TU.NIRICT Meet-up](#) in the new setting was held. It was a lively and successful meeting. Inald Lagendijk introduced the revised mission and management of 3TU.NIRICT. René Penning de Vries (Top-Team ICT) stressed the importance of collaboration among knowledge partners in the ICT domain and of their contributions to a sector plan. Ton Backx explained the needs of industry and society for new developments in the ICT domain at various levels (scientific and technological as well as contributions to solutions for industrial and societal problems). Wil van der Aalst explained the objectives of the Big Software on the Run (BSoR) program and Dirk Heylen gave an introduction on the new Research Center Humans and Technology, which has been created with the continuous support of 3TU.NIRICT over the past few years. Furthermore, eight round-table discussions were held around different topics in line with the three new tasks of 3TU.NIRICT. In a number of pitches, first inputs for the research portfolio of 3TU.NIRICT were presented. A [summary of the 3TU.NIRICT Meet-up](#) can be consulted.

IPN

IPN ('ICT-onderzoek Platform Nederland') is a platform for ICT research in the Netherlands. It consists of representatives from ICT research schools, Universities and NWO/STW. From the TU/e, Peter Baltus, Paul de Bra, Mark van den Brand and Johan Lukkien participate.

Last meeting was on March 4, 2015. Agenda points included NWO and STW plans, Topsector and ICT roadmap, Research assessment for Computer Science and Smart industry. For a more detailed overview of meeting please look at the [agenda and meeting documents](#) and at the [minutes](#).

EIRICT after September 2015

The EIRICT mandate, and correspondent financing, is until September 2015. [A report of the activities and results since the kickoff on March 6, 2012](#) is downloadable from the EIRICT web site. At the time of writing, it is not clear what will happen after that date, viz., if the mandate will be renewed. The mentioned report is input to a discussion at departmental level about how to proceed. Your input and suggestions are also relevant in this, both towards the board of your department and to us.

ECSEL Call 1a and 1b, 2014.

In July 2014, the ECSEL JU was created by the EC as a PPP under the H2020 umbrella, bringing together the JU's ARTEMIS and ENIAC and the the industry-driven policy initiative EPOSS. The related industry associations for ARTEMIS-IA, AENEAS and EPOSS continue to exist, representing the interests of their respective members in the ECSEL JU.

In 2014, the ECSEL JU launched the first calls for projects: 2 Calls, one for RIA's (Research and Innovation Actions) for projects dealing with TRL 2-5, and one for IA's (Innovation Actions) for projects dealing with TRL 4-8.

		Call 2014-1: RIA	Call 2014-2: IA	TOTAL
National Grants	Initial budget	17.5	42.5	164.5 (104.5 unassigned)
	Awarded	39.8	104.0	143.7
EU Grants	Initial budget	40	95	135
	Awarded	48.3	106.7	155.0
TOTAL GRANTS	Awarded	88.0	210.7	298.7
Projects Selected for Funding		3Ccar EXIST MANTIS OSIRIS RobustSense SWARMS	ADMONT InForMed POWERBASE R2Power300 SeNaTe WayToGo Fast	<ul style="list-style-type: none"> • 48 FPP submissions • 12 projects selected • Success rate: 1 in 4

TU/e is involved in 2 of the RIA projects, selected for funding: 3Ccar and MANTIS. The TU/e participation in MANTIS was initiated and coordinated by EIRICT. Both the department of M&CS and the department of IE&IS are cooperating in MANTIS, which aims at the use of data in manufacturing environments for the sophistication of maintenance processes. A total of 738 k€ subsidy has been awarded by the ECSEL JU and by RvO.nl over the 3-year duration of the project. In MANTIS, TU/e has a cooperation both with Philips Consumer Lifestyle and with Philips Healthcare.

ECSEL Calls 2015

In the meantime, the preparations for the ECSEL Calls 2015 have started. On 21-22 January 2015, the ARTEMIS Industry Association (ARTEMIS-IA) organized [a \(pre-\)brokerage meeting for the ECSEL Calls 2015](#). Quite a number of new consortia started work towards project proposals. The [outcomes of the meeting in Amsterdam](#) were reported in an EIRICT Lunch Meeting on 5 February.

The ECSEL work plan (WP) will be published on 17 March 2015. In 2015 the ECSEL Calls (one for RIA's and one for IA's) will be two-stage processes. First a project outline (PO) has to be submitted. Upon a gating review process of the PO's, a number of consortia will be invited to prepare a full project proposal (FPP). The timeline for the call will be fixed with the publication of the WP. Preliminary data are:

- Publication of the WP and opening of the ECSEL 2015 Calls: 17 March 2015
- Deadline of PO phase: 12 May 2015
- Deadline of FPP phase: 8 September 2015.

On 14-15 April 2015 the ECSEL JU will organize an [ECSEL Consortium Building Event 2015](#) in Brussels. This event constitutes yet another brokerage event for the ECSEL 2015 Calls, on top of the (pre-)brokerage meeting on 21-22 January in Amsterdam, which was organized by ARTEMIS-IA.

More information about the new ECSEL project initiatives can be found at the [EIRICT website](#).

ITEA 3 Call 1 (2014-2015)

In the [previous EIRICT Newsletter](#) and in an EIRICT lunch meeting on 30 September 2014, we reported on the new ITEA program, ITEA 3, and its first call for proposals. Detailed information on ITEA3 and its first call for proposals is available at the [EIRICT website](#).

ITEA also has a two-stage call process. The call opened on 23 September 2014. The deadline for submissions of the PO's was 14 November 2014, while the deadline for submission of FPP's was on 11 February 2015. Announcement of labelled and rejected FPPs was on 13 March 2015.

EIRICT was involved in 4 project proposals. One of these unfortunately was not selected for submitting a FPP. The other three proposals, 3DPathology, Assume and BEACON, received the

ITEA label! These projects will now have to prepare a national proposal for funding, which have to be submitted to RvO.nl. The deadline for the national proposals is on 3 april 2015.

ITEA 3 Call 2 (2015-2016)

While the process of ITEA 3 Call 1 (2014-2015) is not yet completely finished, the information about the upcoming ITEA 3 Call 2 (2015-2016) starts to emerge. The date for the opening of ITEA 3 Call 2 has been set on 22 September 2015. In conjunction with the opening of this call, ITEA 3 will organize [PO Days](#) (the ITEA 3 brokerage meeting):

- Publication and opening of ITEA 3 Calls 2 : 22 September 2015
- ITEA 3 Call 2 PO Days: 22-23 September 2015 in Brussels (BE).

Horizon 2020 Calls 2014-2015

In the [previous EIRICT Newsletter](#) we reported on the outcomes of the first round of calls (2013-2014) for proposals for the H2020 programme. While everyone who intends to submit a proposal in the second round of calls (2014-2015), with deadlines for most calls in April and for some calls in the months thereafter, will be busy preparing these, the first information about the third round of calls (2015-2016) is becoming available.

The draft [Work Program 2016-2017 for Horizon 2020 program Leadership in enabling and industrial technologies Information and Communication Technologies \(LEIT-ICT\)](#), the main program in H2020 specifically aimed at the ICT domain, was published on 18 February 2015. Some 66 calls in various ICT sub-domains are being prepared. At this moment, the publication date of the definitive Work Program 2016-2017 is not yet known. Work on this will continue till July. Publication of the definitive WP 2016-2017 is envisaged in Q3-2015 and will coincide with the opening of the ICT-2016 call in LEIT.

Furthermore, also the draft [Work Program 2016-2017 for H2020 Future and Emerging Technologies \(FET\)](#) was published on 12 February 2015.

Given the preparations that are needed for a winning consortium and a winning proposal, the current preliminary work program is already quite important.

In the coming months we will keep you informed about the progress in the development of the third round of calls for H2020 and organize another information meeting (EIRICT lunch meeting on H2020).

EIT ICT Labs

EIT ICT Labs Master School

Since two years, two EIT ICT Labs MSc programs in Eindhoven are open for students throughout the world. The programs, Embedded Systems and Service Design & Engineering, are followed by students at two distinct locations. September 2015 a third program on Data Science will start. Many students have expressed interest and it is expected to be quite successful. The selection process of students who registered for this program is currently ongoing.

EIT ICT Labs Doctoral School

In addition to the EIT ICT Labs MSc programs in Eindhoven, the EIT Doctoral Training Center is starting in 2015. This DTC is both a location for students and industry to collaborate (the newly opened Co-Location Center on the High Tech Campus) as well as an extension of a regular PhD trajectory in the direction of Entrepreneurship and Innovation. At this moment a DTC program on Data Science is starting up with 16 PhD students from the Impulse program on Data Science. In fact, any PhD student in their first or second year can apply for enrollment in this DTC.

EIT ICT Labs 2015 Activity Plan

In the beginning 2015, the results of the proposals for the Activity Plan 2015 of EIT ICT Labs have been consolidated. There is again substantial participation of TU/e in this Activity Plan, both in the Technical Innovation and Business Development parts and in the Technical- and Entrepreneurship Education parts. A detailed overview of TU/e participation the Activity Plan 2015 of EIT ICT Labs, including the funding awarded, is given in the two pictures below.

Activity	Task	Partner Contact	EIT Funding	Co-Funding, Non-EIT		
13184	Business Development Accelerator	13184-A 1506	Activity Management	Witkämper, D. (Dolf)	-325,000.00 €	
14262	Smart Urban Spaces: Intelligent Outdoor Lighting Systems	14262-A 1504	Big data infrastructure for city sensing	Holenderski, M. (Mike)	-24,401.00 €	
		14262-A 1505	Data analytics and data representation of distributed sensor network	Holenderski, M. (Mike)	-32,535.00 €	
		14262-A 1507	Integration and deployment into test bed	Holenderski, M. (Mike)	-8,134.00 €	
		14498-A 1501	RICH Technology Stack	Exarchakos, G. (George)	-37,280.00 €	
14498	RICH - Reliable Ip for time synchronized Channel Hopping networks	14498-A 1502	RICH Experimentation and Validation	Exarchakos, G. (George)	-37,280.00 €	
		14498-A 1505	RICH Exploitation	Exarchakos, G. (George)	-8,600.00 €	
		14609-A 1502	07C Driver monitoring	Sidorova, N. (Natalia)	-50,000.00 €	-200,000.00 €
14609	Professionals Fit to Perform	14609-A 1503	07D Driver monitoring	Terken, J.M.B (Jacques)	-44,864.00 €	
		14609-A 1506	08C Validated fitness-to-drive metric	Sidorova, N. (Natalia)	-50,000.00 €	
		14609-A 1508	08E Validated fitness-to-drive metric	Terken, J.M.B (Jacques)	-32,364.00 €	
		14609-A 1520	12D Business development and technology adoption	Terken, J.M.B (Jacques)	-5,932.00 €	
15014	Decentralized Micro Grid Infrastructure Innovation Center	15014-A 1507	Task 4.2: MSG Controller Integration	Kamphuis, I.G. (René)	-80,000.00 €	
15024	GameBus: social health games	15024-A 1501	1. Requirements, Pilots and User Experience Evaluation	Van Gorp, P.M.E. (Pieter)	-35,258.00 €	
		15024-A 1502	2. Technology transfer of GameBus Base Infrastructure	Van Gorp, P.M.E. (Pieter)	-78,171.00 €	
		15024-A 1503	3. Detailed Business Modeling for GameBus	Van Gorp, P.M.E. (Pieter)	-34,758.00 €	
		15024-A 1505	5. Technology Transfer of GameBus Components for Cognitive Health	Van Gorp, P.M.E. (Pieter)	-14,979.00 €	
		15024-A 1506	6. Technology transfer of GameBus Components for Physical Health	Van Gorp, P.M.E. (Pieter)	-51,678.00 €	
15108	Better nights, fresh days	15108-A 1503	Development of sleep staging algorithms	Sidorova, N. (Natalia)	-100,000.00 €	
Year Total					-1,171,234.00 €	-200,000.00 €

TU/e participation in the Technical Innovation and Business Development parts of the Activity Plan 2015 of EIT ICT Labs.

Activity	Task	Partner Contact	EIT Funding	Co-Funding, Non-EIT		
11181	11181-A 1504	ES Education at TU/e	Luttik, B. (Bas)	-87,500.00 €	-27,500.00 €	
	11181-A 1501	EIT Support for Master School Technical Major SDE	van Dongen, B.F. van (Boudewijn)	-48,000.00 €	-26,000.00 €	
13108	EIT Label I&E Education	13108-A 1501	I&E education of doctoral students	Brand, M.G.J. van den (Mark)	-50,000.00 €	
14358	EIT ICT Labs Open Online Education Program	14358-A 1501	Cross-KIC European MOOC Platform	Post, R. D. J. (Reinier)	-65,000.00 €	
		14358-A 1502	Online I&E content on the EIT ICT Labs LMS	Kerstens, N.M.J.M. (Nathalie)	-130,000.00 €	
		14358-A 1503	First year online ICT Labs Embedded Systems Master in Coursera	Cuijpers, P.J.L. (Pieter)	-60,000.00 €	
		14358-A 1504	Cross-KIC Courses - ICT Labs Specific Online Course	Beemt, A. van den (Antoine)	-55,000.00 €	
		14358-A 1505	Cross-KIC Courses - ICT Labs & InnoEnergy Online Course	Klabbers, M.D. (Martijn)	-0,000.00 €	
		14358-A 1506	Cross-KIC Courses - ICT Labs & Climate KIC Online Course	Beemt, A. van den (Antoine)	-25,000.00 €	
		14358-A 1507	Cross-KIC Courses - Management	Klabbers, M.D. (Martijn)	-20,000.00 €	
15327	Technical Major Data Science (Master Program)	15327-A 1501	Coordinating the EIT ICT Labs DSC Technical Major	Klabbers, M.D. (Martijn)	-50,000.00 €	
		15327-A 1502	Data Analytics I&E Entry Courses at UPM, UNS, TU/e	Klabbers, M.D. (Martijn)		-10,000.00 €
		15327-A 1503	Data Analytics Technical Entry Courses at UNS, UPM, and TU/e	Klabbers, M.D. (Martijn)	-23,333.00 €	
		15327-A 1504	Online I&E on legal and ethics aspects	Klabbers, M.D. (Martijn)		-25,000.00 €
		15327-A 1505	Data Analytics Exit Courses at TU/e, UNS, UPM, TUB, KTH, Polimi	Klabbers, M.D. (Martijn)		-20,000.00 €
		15327-A 1506	Marcom for the DA Technical Major and Legal documents for consortium agreements	Klabbers, M.D. (Martijn)	-0,000.00 €	
Year Total				-723,833.00 €	-108,500.00 €	

TU/e participation in the Technical- and Entrepreneurship Education parts of the Activity Plan 2015 of EIT ICT Labs.

EIT ICT Labs 2016 Activity Plan Planning Process

The annual process of EIT ICT Labs towards next year's Activity Plan has started. On 26 February 2015, EIRICT organized, jointly with PDO of the Department of M&CS, an informative lunch

meeting on EIT ICT Labs and its Activity Planning process for 2016. The information provided is also available at [the EIRICT website](#).

A number of Action Lines have held (or will hold) their Pre-Call Workshops in the 2016 Activity Planning Process:

- [Action Lines Future Cloud \(CLD\) & Smart Spaces \(SSP\) \(Focus Areas & Preparation guidelines\)](#):
4 February, Helsinki; 11 February, Paris; 18 February, Berlin; 1 April, Budapest;
- [Action Line Health & Well-Being \(HWB\)](#)
26 February, Eindhoven; 12 March, London; 17 March, Espoo (Helsinki);
- [Action Line Privacy, Security & Trust \(PST\)](#)
12 February, Milano;
- [Action Line Cyber-Physical Systems \(CPS\)](#)
3 March, Berlin;
- [Action Line Smart Energy Systems \(SES\)](#)
4-5 March, Eindhoven (Workshop on 5 March);
- [Action Line Urban Life and Mobility \(ULM\)](#)
5 March, Trento; 11 March, Helsinki; 12 March, Berlin; 16 March, Paris; 17 March, London;
- [Action Line Future Networking Solutions \(ULM\)](#)
11 March, Milano; 17 March, Stockholm;

If you wish to obtain further information about these events you are advised to contact the relevant Action Line Leader. Each link in the table below provides access to a website, describing the current status of that Action Line as well as a link to its current Action Line leader.

Innovation Action Lines	Innovation Action Lines Objectives
Cyber-Physical Systems	European leadership in production and infrastructures.
Future Cloud	A secure data and service infrastructure for Europe.
Future Networking Solutions	Building Europe's communication infrastructure of tomorrow.

Health & Wellbeing	Prevention through the quantified self.
Privacy, Security & Trust	A protected blended life.
Smart Energy Systems	Defining Europe's future energy market.
Smart Spaces	Blending the physical world and the virtual world.

These Action Lines constitute the main carriers for [the strategy for Innovation and Entrepreneurship](#) in the ICT domain of EIT ICT Labs.

Further Key Dates in the EIT ICT Labs 2016 Activity Plan Planning Process are:

- 25 March 2015: Publication of Call for Proposals for 2016
- 15-17 April 2015: [EIT ICT Labs Partner Event in Trento](#). Please consult [this e-mail](#) if you wish to participate.
- 22 May 2015: Proposal submission deadline

IMPULS 1 and IMPULS 2

With the creation of the IMPULS program the Board of Management of TU/e strengthening Research at TU/e substantially. The university is investing a total of more than € 23 million for this purpose, and is making available the required accommodation and facilities. The IMPULS program will also strengthen the collaboration of TU/e with numerous companies and organizations that are active in the Brainport region, working on innovative solutions. Companies and fellow research institutes are investing a further € 30-40 million. TU/e and its partners aim in this way to reverse the decline in numbers of PhD candidates resulting from the pressure on government funding.

TU/e announced at the beginning of 2013 that it was allocating € 13 million, and 66 PhD positions have been created with these funds. A further 10 million has been added in 2014 to this funding. For each PhD position funded by TU/e, companies and fellow research institutes will finance an additional position. The total number of PhD positions will be around 250.

With the IMPULS rounds 1 and 2 many research projects have been and are being developed in a number of important areas such as energy, health, mobility, high-tech systems, data science and materials. While ICT is not appearing explicitly in this list of themes, the IMPULS program

clearly also creates an enormous boost for the ICT domain at TU/e, since in almost all areas mentioned, ICT is a key driver for innovation.

New & open Calls

NWO & STW

1. [ERA-NET Cofund Smart Cities and Communities](#) (Open for Project Proposals; Closing date: 17 March 2015)
2. [NWO Creatieve Industrie – Thematisch onderzoek](#) (Open for Project Proposals; Closing date: 2 April 2015)
3. [Energiesysteemintegratie - planning, operations, en sociale inbedding \(ESI-pose\)](#) (Open for Project Proposals; Closing date: 7 April 2015)
4. [Demonstrator - Ronde 4 - voorjaar 2015](#) (Open for Project Proposals; Opening: 2 March 2015; Closing date: 7 April 2015)
5. [Smart Urban Regions of the Future \(SURF\)](#) (Open for Project Proposals; Closing date: 16 April 2015)
6. [NWO creatieve industrie: Research Through Design](#) (NWO/STW; Open for Project Proposals; Closing date: 21 April 2015)
7. [Exacte Wetenschappen TOP-Subsidies voor vrij onderzoek, compartiment 1](#) (Open for Project Proposals; Closing date: 30 April 2015)
8. [Exacte Wetenschappen TOP-Subsidies voor vrij onderzoek, compartiment 2](#) (Open for Project Proposals; Closing date: 30 April 2015)
9. [Investerings NWO-groot](#) (NWO/STW; Open for Project Proposals; Closing date: 19 May 2015)
10. [HTSM 2015](#) (NWO/STW & TKI HTSM; Open for project proposals; Opening: 6 March 2014; Closing Date: 2 juni 2015; At the latest, three weeks before the closure of the call (12 May 2015) the form “Beoordeling Passendheid Roadmap” (Assessment of Roadmap Matching) had to be sent per e-mail to one of the contact persons at STW for this call: [Dr. Leo Korstanje](#) (030 600 13 00) or [Dr. Lotje Wansbeek](#) (030 600 12 91))
11. [Open Technologieprogramma](#) (NWO/STW; Open for Project Proposals; continuous submission possibility; proposals are evaluated by assessing approximately 20 proposals at a time.

H2020

Many calls in the 2014-2015 programme of H2020 are still open. Please consult the [continuously updated overview](#) provided by Euresearch, as mentioned above.

ECSEL

The opening of the [ECSEL calls 2015 \(RIA & IA\)](#) will coincide with the publication of the Work Program 2015 on 17 March 2015. Deadline of PO phase: 12 May 2015; deadline of FPP phase: 8 September 2015.

ITEA 3

The [first call for the EUREKA Cluster Program ITEA 3](#) was launched on 23 September 2014. On 13 March 2015 submitted FPP's have been notified about the outcome of the proposal evaluations. The deadline for the submission of national grant proposal for proposals that received the ITEA 3 Label is 3 April 2015.

ITEA 3 Call 2 (2015-2016)

The date for the opening of ITEA 3 Call 2 has been set on 22 September 2015.

EIT ICT Labs Activity Plan 2016

Key Dates in the EIT ICT Labs 2016 Activity Plan Planning Process: 25 March 2015: Publication of Call for Proposals for 2016; 15-17 April 2015: [EIT ICT Labs Partner Event in Trento](#). Please consult [this e-mail](#) if you wish to participate.; 22 May 2015: Proposal submission deadline.

Upcoming Events (partly taken from EIRICT site)

24-25 March 2015

[ICT OPEN 2015](#)

De Flint, Amersfoort

14-15 April 2015

[ECSEL Consortium Building Event 2015](#)

Brussels, Belgium

15-17 April 2015

[EIT ICT Labs Partner Event](#)

Trento, Italy

1-3 June 2015

[ICCS 2015](#)

Reykjavík, Iceland

Johan Lukkien

Peter van Otterloo