

D9.3 DISSEMINATION TOOLS AND MATERIALS

A set of tools to raise awareness

Project title Collaborative Recommendations and Adaptive Control for

Personalised Energy Saving

Project acronym enCOMPASS

Project call EE-07-2016-2017 Behavioural change toward energy efficiency

through ICT

Work Package WP9

Lead Partner PMI

Contributing Partner(s) -

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Reviewers EIPCM (I. Micheel), WVT (K. Arvanitis)

History of changes

Version	Date	Comments	Main Authors
0.1	14/03/2017	Deliverable Development Plan	M. Tumiati - FPM
0.2	23/03/2107	Sections update (website, presentation, social media, FUNERGY)	M.Tumiati – FPM P. Fraternali - POLIMI
0.3	11/04/2017	Sections update (Newsletter, social media, press release, flyer)	M. Tumiati – FPM
0.4	26/04/2017	Sections update (visual identity section added), Quality check	I. Micheel – EIPCM
0.5	27/04/2017	Screenshot modification	M. Tumiati – FPM
0.6	27/04/2017	Quality check	K. Arvanitis - WVT
0.7	27/04/2017	Screenshots revision	M. Tumiati – FPM
0.8	27/04/2017	Screenshots revision	M. Tumiati – FPM
0.9	28/04/2017	Social network update	M. Tumiati – FPM
1.0	28/04/2017	Final version	M. Tumiati – FPM

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EXECUTIVE SUMMARY

This deliverable shows the tools generated by the enCOMPASS consortium to appropriately communicate about the project and disseminate results. This set of tools and materials has to be considered as the first of a series that will be set up with the project implementation. The tools will eventually evolve during the project according to the needs and the targets that will be addressed in each project phase.

For this reason, the tools and materials presented in this document have to be evaluated as a "starting" kit that are in place for the widest communication in terms of targets and the main message.

According to partners' needs, the communication and dissemination material (except for the website) can be translated into the partners' languages to better reach the local target.

This deliverable is closely linked to deliverable 9.2 Communication and Dissemination Plan, which develops the communication strategy to effectively support the communication and dissemination of the project's activities and results to the specified target audiences using the tools and materials presented in this document.

1 VISUAL IDENTITY AND LOGO

The following section describes visual identity used for the communication and dissemination activities.

The enCOMPASS logo combines a word and figurative trade mark, in which the C and O in "COMPASS" are the basis of an actual compass. The font is grey on a white background. The compass itself is visualized with 8 different colours, representing the envisioned enCOMPASS solutions and their interrelation to the behavioural change model that makes up the core of the enCOMPASS project. In addition to the logo, the compass functions as a favicon, used e.g. as bullets in the power point template.



Figure 1: enCOMPASS logo (left) and favicon (right)

enCOMPASS solutions Hybrid board and Individual, social Adaptive games to engage & Individual and online games to raise collective and economical motivate users, supported by team-based goal visualization of adaptive climate adjustment rewards for points, leaderbords, badges & setting recommendations for to increase indoor energy consumption

Figure 2: Holistic model of behavioural change for energy efficiency adopted by enCOMPASS

In the visual identity of enCOMPASS, green and blue are the dominating colours, representing the sustainable approach and solutions that are to be developed in the project.

2 WEBSITE

The enCOMPASS website is the main source of information for the project's activities and achievements.

It provides a brief, but impactful description of the project and of its main activities. The website has been designed based on the same visual identity and style as the other communication materials.

Dissemination through the website aims at raising:

- awareness (making the project known);
- understanding (learning about project approach and results);
- action (engaging and influencing).

The website is structured to enable a quick access to all the sections -detailed description of the project, partnership, pilots, project materials, contact and Twitter energy news. A detailed description of the website structure and its features is presented in D9.1 Project website, while an in depth communication strategy is described in D9.2 Dissemination and communication strategy.

enCOMPASS website: http://www.encompass-project.eu/



Figure 3: enCOMPASS website screenshot

3 FLYER

The enCOMPASS flyer acts as the project's "identification card" addressing a more general target audience. It functions as one of the most common and quickest communication tools to let people know about the project activities, its aims, its implementation methodology and its impact on people's behaviour. It has been designed to easily show and explain all the project phases, to give relevance to the methodology applied and the results obtained.

The flyer is released both in electronic and in paper form according to the different uses and needs of the project partners. In its electronic form, it is made available on the project website (http://www.encompass-project.eu/wp-content/uploads/2017/04/20170428-encompass-18x18-WEB-EDITION.pdf) and on SlideShare.

It includes a general presentation of the project objectives with pictures to easily illustrate the overall project concept and its methodology, the project phases and on-site pilots in Greece, Germany and Switzerland. Due relevance is also given to gamification aspects and their implementation to influence people's behaviours.



Figure 4: enCOMPASS flyer

4 FACTSHEET

The factsheet is an easy document to briefly explain the enCOMPASS project. It contains some basic information about the project, the partners, the goals and the way to reach them. It is thought to be used mainly as a press kit (together with the project flyer) but also as a handout providing an easy overview for stakeholders. However, the factsheet can also be used during events and conferences supporting the project results. It will be updated during the project lifetime. Like all other communication materials, the factsheet will be downloadable from the project website: http://www.encompass-project.eu/wp-content/uploads/2017/04/enCOMPASS-factsheet.pdf

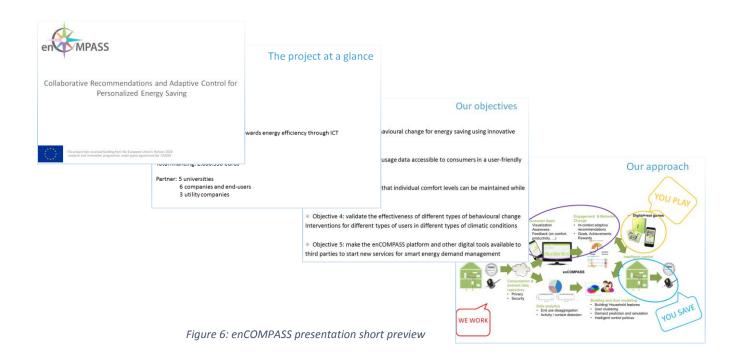




Figure 5: enCOMPASS factsheet

5 PRESENTATION

The official project presentation summarizes all the project activities and briefly shows how the project is structured, its objectives, the methodology applied, the pilot cases showing also the ludic aspects for the whole project, which push people to reflect on their energy saving approach and behaviour. It will be used for awareness-raising and information-sharing during events and for partners' networks. The presentation can be easily adapted by partners according to their specific needs and target and can include project updates when needed. The presentation is also downloadable from the website: http://www.encompass-project.eu/wp-content/uploads/2017/04/enCompass-presentation.pdf



6 NEWSLETTER

The enCOMPASS newsletter will be an electronic tool thought to provide information on project progresses and results. It will refer to project activities carried out during the project life and will contain links to project outcomes, events, articles related to energy consumptions and efficiency, tips on energy savings and links to other relevant projects. The e-newsletter will be release twice a year and will be made available on the project website (like all the other communication tools) and will also be downloadable on the project's social media channels. For more details on the strategy relating to the project newsletter, see D9.2 Communication and Dissemination Plan.

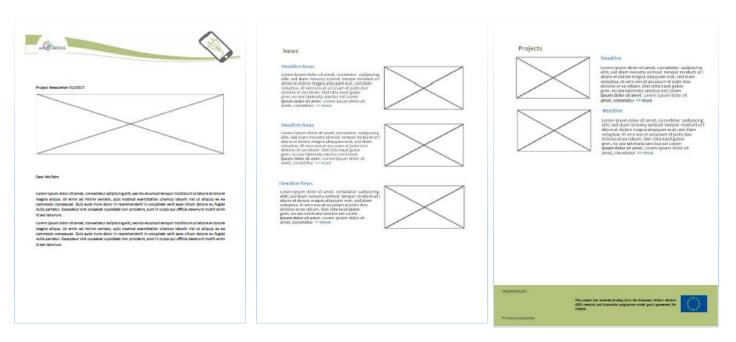


Figure 7: enCOMPASS newsletter template

7 PRESS RELEASE

The project also foresees press releases issued both by the consortium and by the individual partners when needed. The press release will include some basic information on the project explained in the project flyer and in the project factsheet and will be updated as the project proceeds. When released in occasion of events, the press release will include also information and about events and outcomes.

All press releases will be made available on the project website for downloading by the partners and by the other interested subjects.



Figure 8: enCOMPASS press release template

8 SOCIAL MEDIA

The communication and dissemination strategy and plan for social media has been described in D9.2. In this section an overview of the established channels is given.

8.1 TWITTER

The enCOMPASS Twitter account has been created with the purpose to easily and immediately communicate project results and activities as well as broader news from the energy domain on energy-related and sustainability topics, stemming e.g. from research, non-governmental organizations or industry. Project-related Tweets can be related to key milestones achieved, available public deliverables, upcoming project events, contributions to external events and publications, and any other supporting dissemination material.

A well-defined Twitter strategy has been set up to maximize the message and communication. It is described in *D9.2 Communication and Dissemination Plan*.

enCOMPASS Twitter account: @enCompassH2020

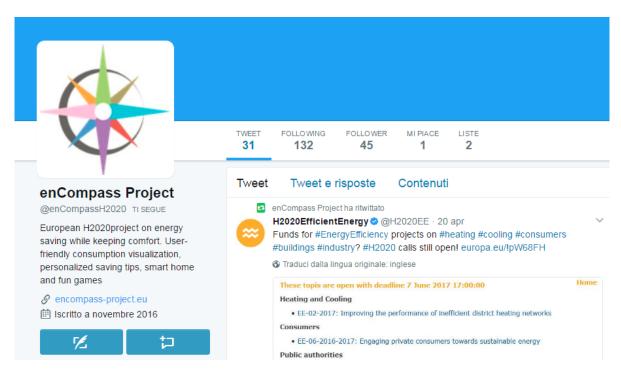


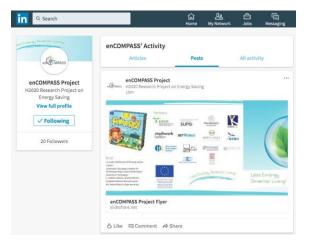
Figure 9: enCOMPASS Twitter account screenshot

8.2 LINKEDIN AND SLIDESHARE

On LinkedIn, an enCOMPASS profile has been created with the aim to reach a professional-oriented audience. The LinkedIn account will be used to reach professional networks, other EU funded projects, energy efficiency groups, international energy saving initiatives with the purpose to communicate and disseminate enCOMPASS results. This will be done in accordance with the specific communication and dissemination strategy for LinkedIn described in *D9.2 Communication and Dissemination Plan*.

enCOMPASS LinkedIn account: https://www.linkedin.com/in/encompass-project-470423142/

The enCOMPASS LinkedIn profile will also be used to make available and disseminate enCOMPASS presentations through Slideshare and vice-versa: https://www.slideshare.net/encompassH2020



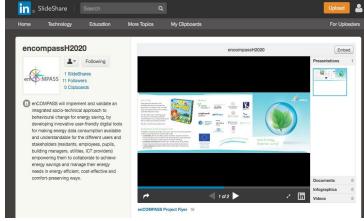


Figure 11: enCOMPASS LinkedIn account screenshot

Figure 10: enCOMPASS Slideshare screenshot

8.3 NABU-NETZ.DE AND FACEBOOK

enCOMPASS will also benefit from NABU-Netz.de which is a social network tool especially for NABU members. NABU-Netz provides space for discussions and communication for all members but not only. It is also accessible to general public allowing interactions and discussions. NABU-Netz is organized in discussion groups with different focuses and different topics. The "energy saving" group will be the one mainly exploited by enCOMPASS to kick off discussions, upload documents, share pictures. Organization of the net and how to use exploit it to maximize enCOMPASS outcomes are described in D9.2.

In addition to NABU-Netz, Nabu also maintains an active Facebook group which will also be used to communicate about the project and disseminate results.

NABU-Netz: http://www.nabu-netz.de

NABU group: https://www.facebook.com/pages/Naturschutzbund-Deutschland/109744702385748

9 BOARD GAME

The enCOMPASS project will develop a board game about energy. The game will be ready at the beginning of the project field trials and will be distributed to the involved users. Figure 12 shows a first mockup of the board game box. The main object of the game is to provide a very simple and funny *cooperative* game (players try to reach the best possible final score altogether) teaching a very simple concept: saving energy is something involving all of us. The aim of the game mechanism is to teach the "awareness of the limit": we do not want to change our everyday comfort level to save energy but, in the meantime, we must understand that there is always a limit to the energy we can really use and this limit is not the same everywhere we live.

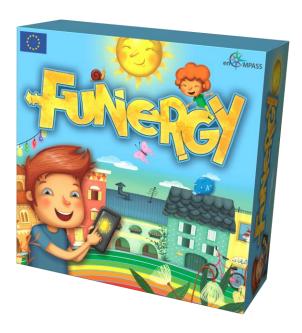


Figure 12: First mockup of the enCOMPASS board game box with working title "Funergy".

10 ANNEXES

- I. enCOMPASS flyer
- II. enCOMPASS factsheet
- III. enCOMPASS presentation
- IV. enCOMPASS newsletter
- V. enCOMPASS press release

Let's Play!

Saving energy has never been so fun! enCOMPASS will develop a real board/card game based on the energy concept, to engage pupils and households, with the aim of building sustainable behavioural change.

This will transform your real energy savings into a game! You will receive personalized recommendations on your energy-saving attitude while you challenge your family and friends.

Play with us and find out how good you are!



Partners



stadtwerk













Information Technologies Institute















This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723059







Less Energy Smarter Living!

enCOMPASS is funded by the European Commission, under the Horizon 2020 programme. 14 partners have joined forces to reach the project goals:

Commitment at the European level

- 5 universities: Politecnico di Milano (project coordinator), European Institute for Participatory Media, Centre for Research and Technology Hellas, Scuola Universitaria Professionale della Svizzera Italiana, Kaunas University of Technology
- 6 companies and end-users: Set Mobile S.R.L., Kaleidos Games, Gravity R&D Zrt, Paradox Engineering SA, Naturschutzbund Deutschland, Ethniko Idryma Erevnon.
- 3 utility companies: Stadtwerke Haßfurt GmbH, Società Elettrica Sopracenerina, WATT+VOLT S.A.

A holistic approach

The enCOMPASS project aims at developing innovative user-friendly digital tools for making energy consumption data available and understandable to everyone. This will empower and involve people, so that they work together to save energy and directly manage their energy needs. In turn, this will maximise energy efficiency, bringing down costs while still preserving comfort.

User-centered visualisation of energy data and usergenerated information, along with collaborative recommendations for energy saving and intelligent control, will enable effective and sustainable behavioural change.

enCOMPASS is a holistic system where science, technology, and social and personal needs come together to bring results.

Consumer Apps

- Visualization
- Awareness
- Feedback (on comfort, productivity, ...)



Engagement & Behavior Change

- In-context adaptive recommendations
- Goals, Achievements, Rewards



Digital+real games



Intelligent control



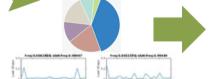
enCOMPASS

Consumption & ambient data repository

Privacy

smart meter & sensors

Security



Data analytics

- End use disaggregation
- Activity / context detection

Building and User modeling

- Building/ Household features
- User clustering
- Demand prediction and simulation
- Intelligent control policies

The pilot phase

enCOMPASS will prove its effectiveness in three distinct European geographical areas and with three different types of buildings (residential, school and office).



Numbers

Pilot location	Hassfurt (DE)	Thessaloniki (GR)	Thessaloniki (GR) Athens (GR)			
Climate description	Humid continental climate	Hot summe	Continental subarctic			
Type of building	100 residential homes 10 classrooms in 1 school 1 public building	100 residential homes 1 school 1 retail store	2 floors in office building 1 public library	100 residential homes 1 school 1 public building		

enCOMPASS Fact Sheet

Collaborative Recommendations and Adaptive Control for Personalized Energy Saving

H2020-EE-2016-7-IA

TOPIC: Behavioural change toward energy efficiency through ICT



Collaborative Recommendations, Visualisation and Adaptive Control for Personalised Energy Saving

List of participants

Participant No.	Participant organization name	Short Name	Туре	Country
1 (coordinator)	Politecnico di Milano	PMI	Research Institution	IT
2	European Institute for Participatory Media	EIPCM	Research Institution	DE
3	Stadtwerke Haßfurt GmbH	SHF	SME	DE
4	Naturschutzbund Deutschland	NABU	User	DE
5	WATT+VOLT S.A.	WVT	SME	GR
6	Società Elettrica Sopracenerina	SES	LE	СН
7	Centre for Research and Technology Hellas	CERTH	Research Institution	GR
8	Ethniko Idryma Erevnon	NHRF	PA	GR
9	Scuola Universitaria Professionale della Svizzera Italiana	SUPSI	Research Institution	СН
10	Set Mobile S.R.L.	SMOB	SME	RO
11	Kaleidos Games	KAL	SME	IT
12	Kaunas University of Technology, Social responsibility research centre	KTU	Research Institution	LTU
13	Paradox Engineering SA	PDX	LE	СН
14	Gravity R&D Zrt	GRA	SME	HU



Main information

Project coordinator	Politecnico di Milano (Italy)
Contact person name:	Prof. Piero Fraternali, <u>piero.fraternali@polimi.it</u>
Project's website:	http://www.encompass-project.eu/
Keywords:	Energy saving, building automation, environmental sustainability, behavioural change, serious and persuasive games, personalized recommendation
Duration:	01/01/2016 – 31/10/2019
Budget:	3.309.375,00 euros
Contract number:	723059

Aim

The enCOMPASS project aims at developing innovative user-friendly digital tools for making energy data consumption available and understandable for everybody, empowering and involving people to collaborate to achieve energy savings and directly manage their energy needs, maximising energy efficiency, cost-effective and comfort-preserving targets.

Pilot phase

enCOMPASS will prove its effectiveness in **three different European geographical areas** and with three different types of buildings (residential, school and office buildings).

Pilot location	Hassfurt	Athens	Thessaloniki	Gambarogno
	(DE)	(GR)	(GR)	(CH)
Climate	Humid continental	Hot summer Mediterranean		Continental
description	climate			subarctic
Type of	100 residential homes	1 public library	1 school	100 residential
building	10 classrooms in 1	2 floors in office	1 retail store	homes
	school	building	100 residential	1 school
	1 public building		houses	1 public building



Collaborative Recommendations and Adaptive Control for Personalized Energy Saving





The project at a glance

Starting date: 1 November 2016

Duration: 36 months

Main topic: Behavioural change towards energy efficiency through ICT

Total budget: 3.309.375 euros

Total financing: 2.000.350 euros

Partner: 5 universities

6 companies and end-users

3 utility companies

Our objectives



- Objective 1: stimulate behavioural change for energy saving using innovative digital tools
- Objective 2: make energy usage data accessible to consumers in a user-friendly and easy to understand way
- Objective 3: demonstrate that individual comfort levels can be maintained while achieving energy saving
- Objective 4: validate the effectiveness of different types of behavioural change Interventions for different types of users in different types of climatic conditions
- Objective 5: make the enCOMPASS platform and other digital tools available to third parties to start new services for smart energy demand management



Our approach

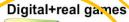
YOU LEARN

onsumer Apps

- Visualization
- Awareness
- Feedback (on comfort, productivity, ...)

Engagement & Behavior Change

- · In-context adaptive recommendations
- · Goals, Achievements, Rewards





Data acquisition

smart meter & sensors

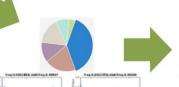






Consumption & ambient data repository

- Privacy
- Security



enCOMPASS

Data analytics

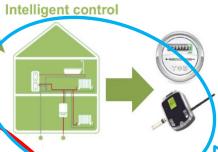
- End use disaggregation
- · Activity / context detection





Building and User modeling

- Building/ Household features
- User clustering
- Demand prediction and simulation
- Intelligent control policies



WE WORK



4 main elements



Energy usage information from in-home information

(smart meters and communication-enabled smart home appliances for heat and electricity)

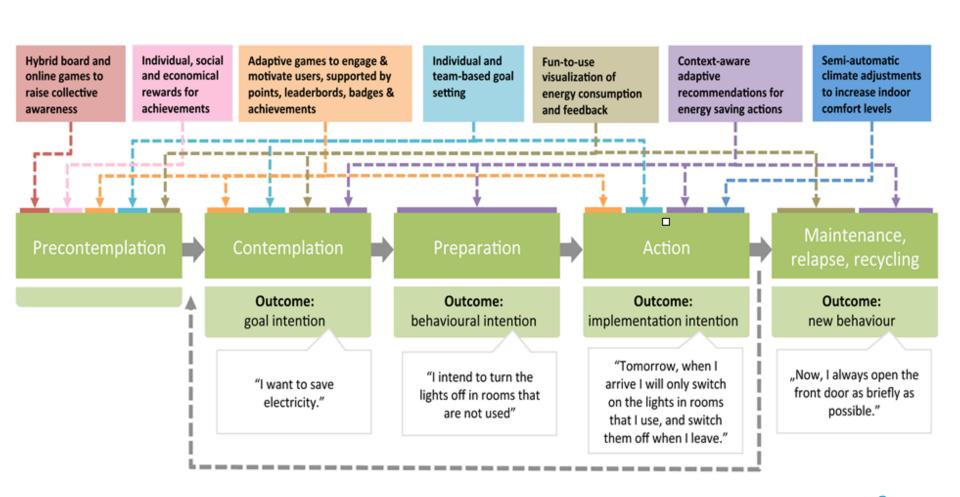
User-generated information

(automatic and manual activity tracking)

- Adaptive gamified energy visualization
- Intelligent controls and automation for sustainable changes in user energy consumption maintaining the user's comfort level



enCOMPASS holistic model





3 on-site scenarios



Building type	Target groups					
Residential homes/apartments: 300 households (100 per country)	Families (with & without kids), single households, students, building managers (ca. 600 participants)					
Schools: 3 schools, 10 classes per school	Students, teachers, building managers (ca. 900 participants)					
Public buildings: 3 public buildings	Employees, visitors, building managers (ca. 500 participants)					
Countries: Germany (Hassfurt), Greece (Athens & Thessaloniki), Switzerland (Gambarogno)						

Having fun!



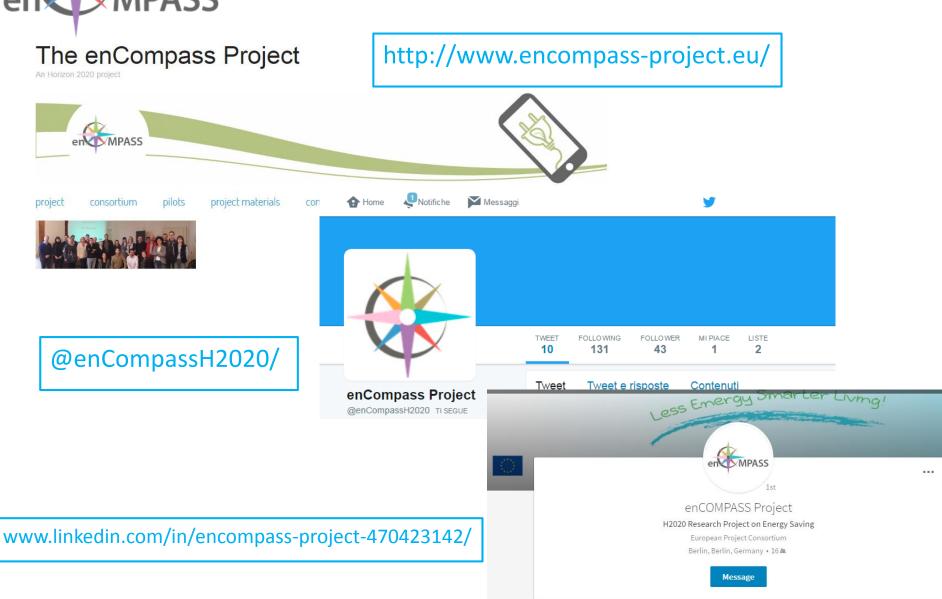
The main object of the game is to provide a very simple concept: saving energy is something involving all of us.

We do not want to change our everyday comfort level to save energy but we must understand that there is always a limit to the energy we can really use!





How to follow enCOMPASS



Consortium





POLITECNICO DI MILANO













Scuola universitaria professionale della Svizzera italiana











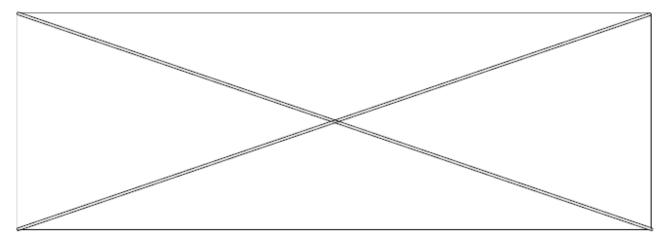








Project Newsletter 01/2017



Dear Mr/Mrs

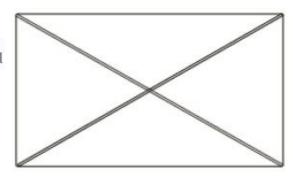
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News

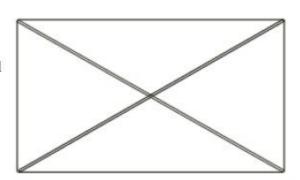
Headline News

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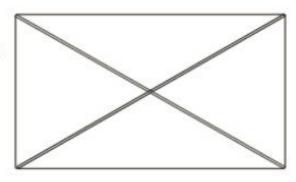
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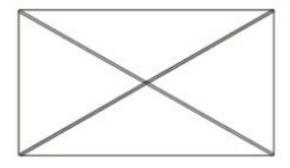


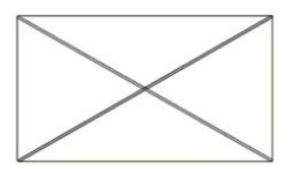
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Projects





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Press release title

(Subtitle)

Place: xxxx, Date: xxxx

(Introduction answering the 5 w's: who, what, where, when and why)

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(Expand the information in the introduction)

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(Include a quote to personalize the message)

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(Incl	ud	e a	cou	ole	0f	lines	on	your	ins	titu	tion	and	direct	con	tact	for	more	in	forr	nati	ion)

Name:	
e-mail·	