D6.11 – COMMUNICATION KIT FIRST RELEASE

Project Information

GRANT AGREEMENT NUMBER	723699
PROJECT FULL TITLE	Driving up Reliability and Efficiency of Additive Manufacturing
PROJECT ACRONYM	DREAM
FUNDING SCHEME	RIA
START DATE OF THE PROJECT	01 Oct 2016
DURATION	36 months
CALL IDENTIFIER	H2020-FOF-2016
PROJECT WEBSITE	www.dream-euproject.eu

Deliverable Information

DELIVERABLE N°	39 (Relative Number D6.11)
DELIVERABLE TITLE	Communication Kit - First release
WP NO.	6
WP LEADER	BEWG
CONTRIBUTING PARTNERS	INSTM
NATURE	**OTHER:** Software, technical diagram, etc.
AUTHORS	Massimo Rinaldi
CONTRIBUTORS	Elena Bassoli
REVIEWERS	/
CONTRACTUAL DEADLINE	M1
DELIVERY DATE TO EC	M3

Dissemination Level

PU public

Document Log

Version	Date	Author	Description of Change
1	22/11/2016	Massimo Rinaldi	First Release
2	13/12/2016	Massimo Rinaldi	Second Release

TABLE OF CONTENTS

1 EXECUTIVE SUMMARY

The Public Communication Kit (First Release) is a public instrument that can be used for communication/dissemination purposes without asking prior advice on contents; project partners are always required to inform the Communication and Dissemination Manager about the specific channel where the Communication KIT will be used (Event, articles, conferences, meetings, social media) and the contact details to be currently used is:

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Publications/Presentations out of the Communication KIT must always follow the rules of the Article 29.1 of the GA: "*A beneficiary that intends to disseminate its results must give advance notice to the other beneficiaries of — unless agreed otherwise — at least 45 days, together with sufficient information on the results it will disseminate. Any other beneficiary may object within — unless agreed otherwise — 30 days of receiving notification, if it can show that its legitimate interests in relation to the results or background would be significantly harmed. In such cases, the dissemination may not take place unless appropriate steps are taken to safeguard these legitimate interests*."

The Communication KIT documents will be available for free download from the Project Website and they will be updated at M18 (Communication KIT – Second release) and at M36 (Communication Kit – Final release).

The Communication KIT comprises:

- Agenda Template
- Deliverable template
- Logos, Backgrounds and Symbol
- Leaflet
- Poster 90x60
- Roll-up 170x55
- Press Release
- Work Package Presentation Template

Click below to download the communication KIT documents:

Communication KIT link for download

2 Agenda Template

Figure 1 – DREAM Agenda

HORIZON 2020

Project ID	723699
Project name:	DREAM
Project Start Date	01 October 2016
Project Duration	36 months

11th Xxxxxxxxxx 201X

Day 1 Location
Xxxxxxxxxxxxx
Xxxxxxxxxxxxxx – Italy

TIME	SUBJECT	WHO
14.00 – 14.10		
14.10 – 15.45		
15.45 – 16.00		
16.00 – 16.30		
16.30 – 17.00		
17.00 – 18.00		
20.30		

PHOTONICS PUBLIC-PRIVATE PARTNERSHIP

3 Deliverable Template

Figure 2 – DREAM Deliverable template

DREAM

DX.Y – TITLE OF DE LIVERABLE

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DELIVERABLE N°	
DELIVERABLE TITLE	
WP NO.	
WP LEADER	
CONTRIBUTING PARTNERS	
NATURE	**R:** Document, report (excluding the periodic and final reports) **DEM:** Demonstrator, pilot, prototype, plan designs **DEC:** Websites, patents filing, press & media actions, videos, etc. **OTHER:** Software, technical diagram, etc.
AUTHORS	
CONTRIBUTORS	
REVIEWERS	
CONTRACTUAL DEADLINE	
DELIVERY DATE TO EC	

Dissemination Level

PU public. **PP** Restricted to other programme participants (incl. Commission Services). **RE** Restricted to a group specified by the consortium (incl. Commission Services). **CO** Confidential, only for the members of the consortium (incl. Commission Services)

4 Logo

Figure 3 – DREAM Logo red version

Figure 4 – DREAM Logo grey version

5 Backgrounds

Figure 5 – DREAM background red version

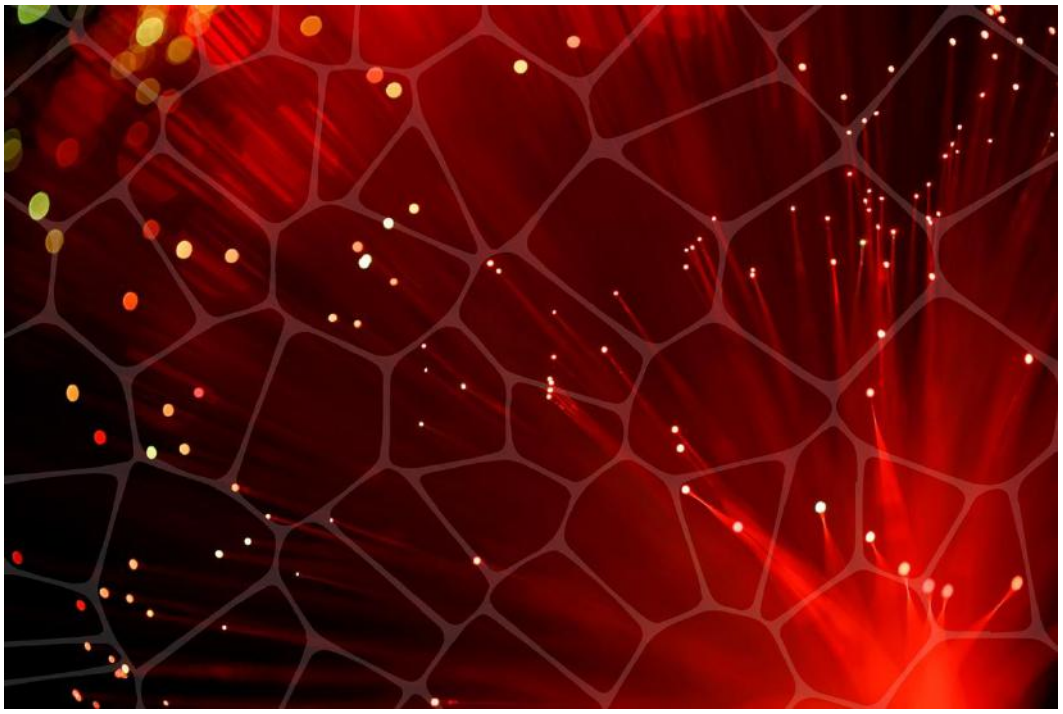
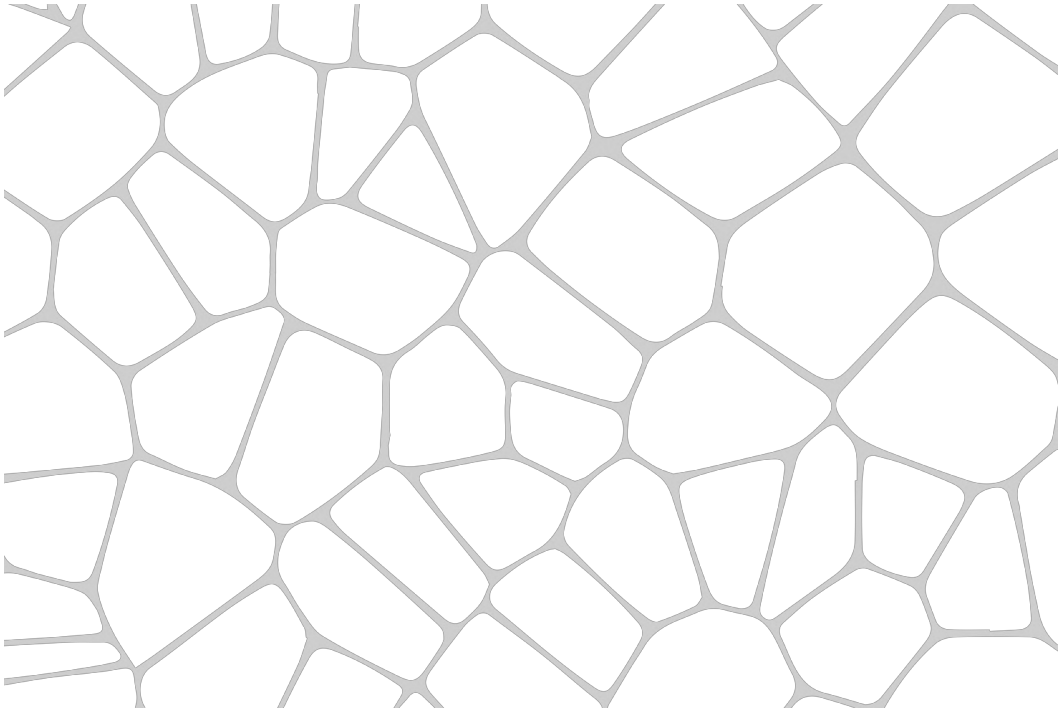
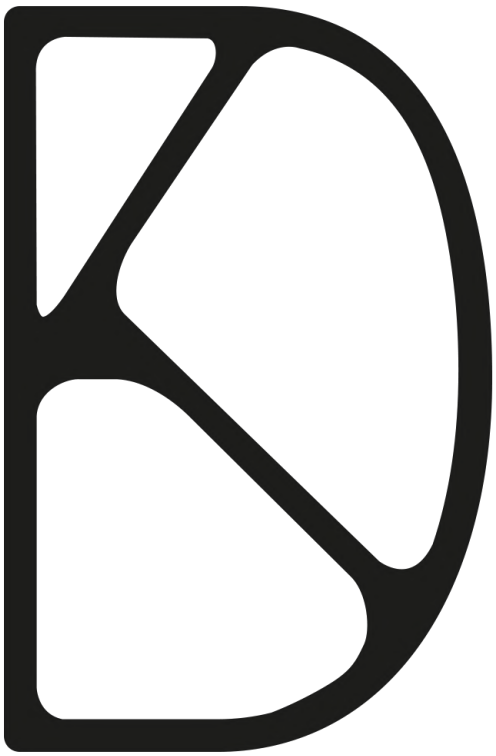


Figure 6 – DREAM background grey version



6 Symbol

Figure 7 – DREAM symbol



7 Leaflet

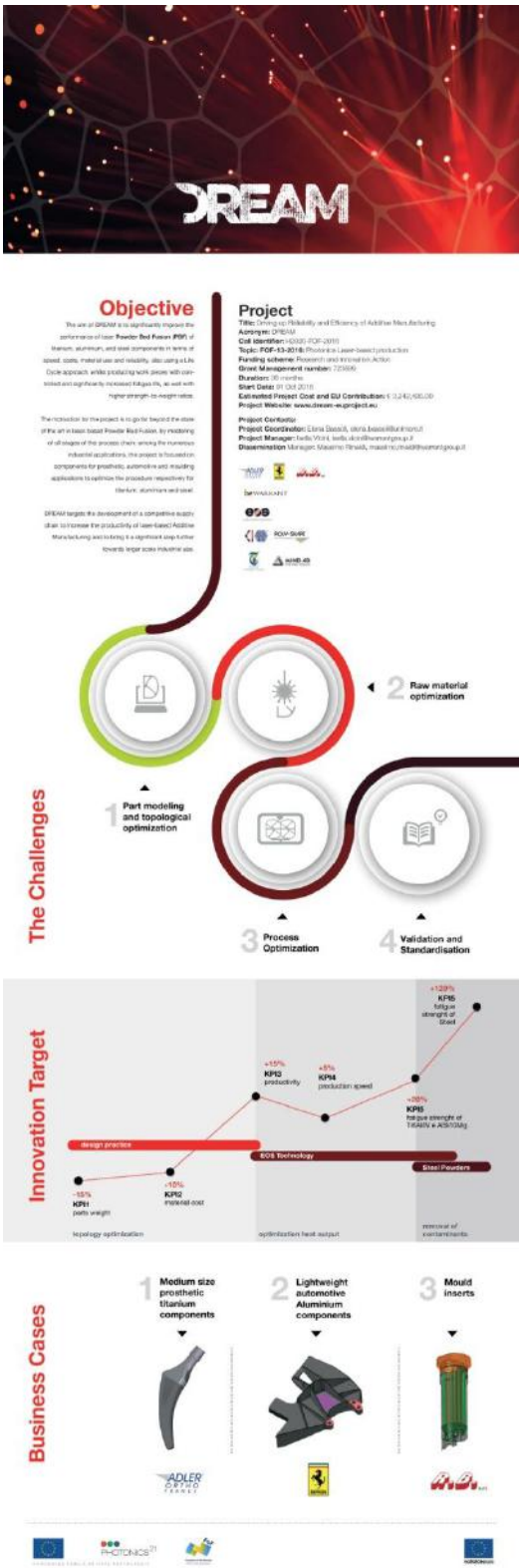
Figure 8 – DREAM leaflet

8 Poster 90x60

Figure 9 – DREAM poster 90x60

9 Roll-up 170x55

Figure 10 – DREAM roll-up 170x55



10 Press Release

The text prepared for the press release is the following:

"Industry 4.0 is now becoming real with the DREAM project that focuses on powder bed fusion technology that can produce innovative metal components faster, more flexibly and more precisely than ever before. DREAM stands for "Driving up Reliability and Efficiency of Additive Manufacturing" and it has been funded under Horizon 2020 Factories of the Future Initiative with an EU contribution of more than 3,2 millions of euros. The Project starts in October 2016 and with a 36 months duration implements a disruptive photonics technology to enable the 4th Industrial revolution through the implementation of laser-based metal Additive Manufacturing.

The specific aim of DREAM is to significantly improve the performances of laser Powder Bed Fusion of titanium, aluminium and steel components in the following terms: weight reduction (15%), production speed increase (5%), material cost reduction (10%), process productivity increase (+15%) and fatigue test increase (from 20% up to 120%) with a sustainable Life Cycle Approach.

In order to upscale the results and to reach an industrial relevant level of productivity, the project focuses on four main challenges: part modeling and topology optimization, raw material optimization to avoid powder contamination, process and software innovation, validation and standardization of the process on industrial components for the different materials.

The coordinating partner, Consortium of Italian Universities for the Science and Technology of Materials (INSTM), has a long time experience in Additive Manufacturing technique which allows to support optimally all the project tasks, from the topological optimization to the study of new set of laser parameters; the INSTM Local Research Units involved in the project are Modena and Reggio Emilia with both the Department of Engineering "Enzo Ferrari" (DIEF) and the Department of Sciences and Methods for Engineering (DISMI), Parma (Dept. of Industrial Engineering) and Ancona (Polytechnic University of Marche, Dept. of Materials, Environmental Sciences and Urban Planning); in addition the project involves one of Romania's largest academic institutions, Transilvania University of Brasov, with extensive R&D experience in Additive Manufacturing.

The project management and dissemination is in charge of BEWarrant, a Belgian consultancy company, part of Warrant Group S.r.l., that provides full-spectrum consulting services in European Projects.

DREAM involves all the major players of the industrial supply chain to bring laser-based additive manufacturing a significant step further towards larger scale industrial manufacturing. The project is strongly user driven and it implies the participation of one of world leaders among the system and powder suppliers, EOS Gmbh; an emerging engineering design company as Mind Four D S.R.L. and the major European additive manufacturing service provider, Poly-Shape S.A.S.

DREAM tests the application of Additive Manufacturing on three relevant end-users test cases: engine lautomotive aluminum components of Ferrari S.pa.; medium size prosthetic titanium components of Adler Ortho S.p.A and steel mould insert of R.B. S.r.l..

Finally, through innovations in part modelling, materials and additive processing, DREAM will add competitiveness at all steps of the manufacturing chain, so that each of the Consortium partners will benefit from a reinforced industrial leadership, consisting in the offer of: more efficient additive manufacturing systems; optimized on-demand services for the production of cost-effective component, novel engineering design services combining topology optimization and design; more lightweight and reliable products".

Figure 11 – DREAM press release

Industry 4.0 is now becoming real with the **DREAM** project that focuses on powder bed fusion technology that can produce innovative metal components faster, more flexibly and more precisely than ever before. **DREAM** stands for *"Driving up Reliability and Efficiency of Additive Manufacturing"* and it has been funded under **Horizon 2020** Factories of the Future Initiative with an EU contribution of more than 3,2 millions of euros. The Project starts in October 2016 and with a 36 months duration implements a disruptive photonics technology to enable the 4th Industrial revolution through the implementation of laser-based metal Additive Manufacturing.

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11 Work Package Presentation Template

Figure 11 – DREAM work package presentation