



CompactLight – WP1

1st Midterm Review Meeting | Trieste, 19-20 June 2018



Gerardo D'Auria & Regina Rochow



Task 1.3: Administration

First Payment made:

June 2018

35% of total budget
to all partners

Second Payment:

January 2019

35% of total budget
to all partners

Partner	Acronym	Total Budget	First Tranche (35%)
			June 2018
1	ST	380,000.00 €	133,000.00 €
2	CERN	303,000.00 €	106,050.00 €
3	STFC	328,500.00 €	114,975.00 €
5	IASA	67,500.00 €	23,625.00 €
6	UU	131,500.00 €	46,025.00 €
9	UA-IAT	96,500.00 €	33,775.00 €
10	ULANC	106,250.00 €	37,187.50 €
11	VDL ETG	102,500.00 €	35,875.00 €
12	TU/e	102,500.00 €	35,875.00 €
13	INFN	212,500.00 €	74,375.00 €
14	Kyma	92,000.00 €	32,200.00 €
15	SAPIENZA	72,500.00 €	25,375.00 €
16	ENEA	200,000.00 €	70,000.00 €
17	ALBA-CELLS	163,250.00 €	57,137.50 €
18	CNRS	81,875.00 €	28,656.25 €
19	KIT	134,000.00 €	46,900.00 €
20	PSI	128,000.00 €	44,800.00 €
21	CSIC	80,000.00 €	28,000.00 €
22	UH/HIP	58,125.00 €	20,343.75 €
23	VU	96,500.00 €	33,775.00 €
24	USTR	62,500.00 €	21,875.00 €
	Total	2,999,500.00 €	1,049,825.00 €



All WPs except WP7 have started - WP7 will start soon!

Meetings held in Workpackages and Tasks						
	WP1	WP2	WP3	WP4	WP5	WP6
Before the Kickoff Meeting	4	1	1	1	1	1
After the Kickoff Meeting	5	1	3	4	4	4
	9	2	4	5	5	5

- All partners in a WP should contribute
- If not possible: communicate with the WP Leader to find a solution!



We need a reliable contact for each partner to ...


- ... get feedback on request (also quickly, if needed): Agree, do not agree, no preference / not critical ...
- ... distribute information / feedback requests to the Partners' competent offices

Collaboration Board works sometimes, but often not!



MS2: Appointed Members of the Scientific Advisory Committee

- Wolfgang Eberhardt (DESY-CFEL)
- Sverker Werin (University of Lund, MAX IV Lab)
- Marie-Emmanuelle Couprie (Synchrotron Soleil)



To do next:

- Prepare Agreement (incl. part on Non-Disclosure of information) - but need first to sign CA!

Clarify who signs the Agreement (LP for all partners?
→ if yes, must be stated in CA!)

- Provide access to collaboration platform



Amendment to the Grant Agreement:

- Request of Kyma s.r.l. (P14): include Kyma d.o.o. as a Linked Third Party
- Agreed with partners: 100% of Consortium Board Members

The screenshot displays the 'RESEARCH & INNOVATION Participant Portal - Grant Management Services' interface. On the left, a sidebar for 'MY PROJECT' shows details for 'HORIZON 2020' project H2020-INFRADEV-2017-1, including call number, type of action (RIA), acronym (XLS), current phase (Grant Management), number (777431), duration (36 months), GA based on (H2020 General MGA - Multi - 3.0), start date (01 Jan 2018), estimated project cost (€3,561,125.00), requested EU contribution (€2,999,500.00), and contact (Mina KOLEVA). The main content area shows a 'Consortium Requested Amendment AMD-777431-3' with a progress timeline from 19 Mar 2018 (Launched) to 08 Jul 2018 (21/45 days) (Decision). Below the timeline, 'Process documents' lists two amendments. A detailed view of 'Amendment - AMD-777431-3' shows a PDF icon and progress status for this document type, with participants [EU] and [999589851] visible.



Grant Management

Amendments of Grant Agreement Data

777431 (XLS) RIA

Reference: AMD-777431-3
Type: CR (Consortium Requested)

Beneficiary 14: Kyma (Active)

Legal Name: KYMA SRL
PIC: 941400521 Status: VALIDATED

Legal Address: BASOVIZZA S.S. 14 KM 163.5 , 34149 , TRIESTE Italy

Legal Information

Financial Information

Project Representa...

Linked Third Parties

Financial Data

- Use of 'Costs of in-kind contributions not used on premises?' (n) Yes No 0.00 €
- Use of 'costs of large research infrastructure' in the grant? Yes No
- Participates as 'not receiving EU funding' (requesting zero funding)

Individual costs table:

Cost Category	Unit Cost	Number of Units	Subtotal	Total	Actions
a) Direct personnel costs declared as actual costs				19,080.	
b) Direct personnel costs declared as unit costs (average costs)				0.	
d) Direct costs of subcontracting				0.	
e) Direct costs of providing financial support to third parties				0.	
f) Other direct costs				5,000.	
g) Costs of internally invoiced goods and services				0.	
h) Indirect costs (= 0.25 * (a + b + f + g - n))				6,020.	
j) Total costs (= a + b + d + e + f + h)				30,100.	
l) Maximum EU contribution (100%)				30,100.	
m) Maximum grant amount				30,100.	
n) Costs of in-kind contributions not used on premises				0.	
▶ Third parties/Affiliated Entities contributions					
(TP) KyTe	<u>KYMA TEHNOLOGIJA DOO</u>			61,900.00 €	



Consortium Agreement: Current State

§ 11.8 – Settlement of Disputes (07/06/2018)

- CERN cannot agree to appeal to the jurisdiction of state courts
- Spanish law prohibits referral of disputes for arbitration

Generally:

1. Resolve amicably
2. Mediation (Brussels, English), WIPO Mediation Rules
3. Courts of Brussels

CERN involved:

2. Arbitration (Brussels, English), International Chamber of Commerce Arbitration Rules

Only CERN and CSIC involved:

2. Dispute Settlement Mechanism agreed between the two Parties

Feedback from 10 partners: all agree → proceed with this version



Major changes proposed by TU/e

§ 8.4 Dissemination: Considered by TU/e as exception to non-disclosure obligations of Section 10

§ 8.4.1: ~~For the avoidance of doubt, nothing in this Section 8.4 has impact on the confidentiality obligations set out in Section 10.~~

§ 8.4.2 Dissemination of own Results:

An objection is justified if ...

... the objecting Party's legitimate interests in relation to the Results or Background would be significantly harmed, **as sufficiently proven by the objecting party.**

§ 8.4.2.3 If an objection has been raised the involved Parties shall discuss how to overcome the justified grounds for the objection on a timely basis [...] **and whereby the scientific quality of the publication is maintained.**

§ 8.4.3 Dissemination of another Party's unpublished Results or Background:

A Party shall not include in any dissemination activity another Party's Results or Background without obtaining the owning Party's prior written approval **based upon the publication procedure as stated in section 8.4.2**, unless they are already published.

Responding partners support viewpoint of LP → prepare final version



Task 1.4: Dissemination & Communication

Use European Flag and indicate funding:



Funded by the
European Union

Use this phrase in written documents:

This project has received funding from the European Union's Horizon2020 Research and Innovation Programme under Grant Agreement No. 777431.

Use disclaimer in written documents:

The contents of this website (report etc.) reflect only the view of the CompactLight Consortium. The European Commission is not responsible for any use that may be made of the information it contains.



Task 1.4: Dissemination & Communication



Structured approach: We need a communication plan!!



- To whom do we want to communicate (science communities, broad public, policy makers / funding agencies, media, internal, ...)?
- Activities for each stakeholder group (publications, workshops, website, social media, public events, policy events, press communications, ...)
- Timing of activities
- Materials to develop (standard presentation, flyer)
- Partner involvement: Who does what?



Working Group:

Andrea Latina, Evangelos Gazis, Gerardo D'Auria, Regina Rochow, **who else?**





D1.1: Public Website:
www.CompactLight.eu

Regular updates !!

Please send information to be published (events, publications, presentations, news, flyers etc.) to Regina, Gerardo, Andrea:

compactlight@elettra.eu



Please create link on your institution's homepage !!!



Welcome to the CompactLight project website!



During the past decades Synchrotron Radiation facilities have seen an impetuous growth as a fundamental tool for the study of materials in a wide spectrum of sciences, technologies, and applications. The latest generation of light sources, the Free Electron Lasers, capable of delivering high-intensity photon beams of unprecedented brilliance and quality, provide a substantially novel way to probe matter and have very high, largely unexplored, potential for science and innovation. Currently, the FELs operating in EU are three, FERMI, FLASH and FLASH II, operating in the soft X-ray range and two are under commissioning, SwissFEL and EuroXFEL, which will operate in the hard X-ray scale. While most of the worldwide existing FELs use conventional normal conducting 3 GHz S-band linacs, others use newer designs based on 6 GHz C-band technology, increasing the accelerating gradient with an overall reduction of the linac length and cost.

With CompactLight we intend to design a hard X-ray FEL facility beyond today's state of the art, using the latest concepts for bright electron photo injectors, very high-gradient X-band structures at 12 GHz, and innovative compact short-period undulators. If compared to existing facilities, the proposed facility will benefit from a lower electron beam energy, due to the enhanced undulator performance, be significantly more compact, as a consequence both of the lower energy and of the high-gradient X-band structures, have a much lower electrical power demand and a smaller footprint.

CompactLight gathers the world-leading experts in these domains, united to achieve two objectives: disseminate X-band technology as a new standard for accelerator-based facilities and advance undulators to the next generation of compact photon sources, with the aim of facilitating the widespread development of X-ray FEL facilities across and beyond Europe by making them more affordable to build and to operate.



CompactLight | News

- [First Midterm Review Meeting](#), Trieste, Italy, 19-20 June 2018
- Kick-off Meeting, Geneva, Switzerland, 25 January 2018
- [EU project lights up X-band technology](#) CERN Courier, Nov. 2017
- [CompactLight: to compact accelerators and beyond](#) Accelerating news 2017



D1.2: Data Management Plan

- v1.0 available on <https://www.compactlight.eu/Main/Publications>
- Request for feedback sent on 07/06/2018
- Feedback received only from 2 partners



Attention:

Deadline for deliverable:
30 June 2018

Decision needed urgently!!!



To be updated regularly!!



Collaboration Workspaces Newsfeed OneDrive Sites Regina Alexandra Rochow-Carbone

BROWSE PAGE SHARE FOLLOW SYNC

XLS general WP1 WP2 WP3 WP4 WP5 WP6 WP7 INDICO XLS homepage XLS Git EDIT L

Collaboration workspace for the CompactLight project

Project Summary

CompactLight
Duration
due in
929 days

+ ADD TASK EDIT LIST

CompactLight Home
Home
Notebook
Documents
Tasks
Calendar
Discussion Board
EDIT LINKS

Discussion Board

+ new discussion

Recent My discussions Unanswered questions ...

Notification for users about activity
Hi all, There is a feature to send an email when specific changes on a specific site are made. Most notab...
By Markus Aicheler | 07 December, 2017

Newsfeed

Start a conversation

Documents

+ new document or drag files here

Name
SharePoint-Tuto
CompactLight_Proposal

It's pretty quiet here. Invite more people to the site, or start a conversation.

CERN Work Space:

Please use it!!!

WPs should keep their information updated & upload documents





WP1 Vidyo Meetings:

- WP1 meetings:
 - approximately one every two months, if needed more often
 - activity and progress reporting of each task, exchange of information between tasks and with other WPs
- Task meetings:
 - work meetings
 - as often as needed, to be planned by task leader
- Proposed day and time: Thursday, 10:00 CET

Next Vidyo Meeting: Thursday, 19/07/2018, 10:00 CET



CompactLight – WP7

1st Midterm Review Meeting | Trieste, 19-20 June 2018



Regina Rochow & Gerardo D'Auria



WP7:

Start: 01/07/2018

Duration: 30 months

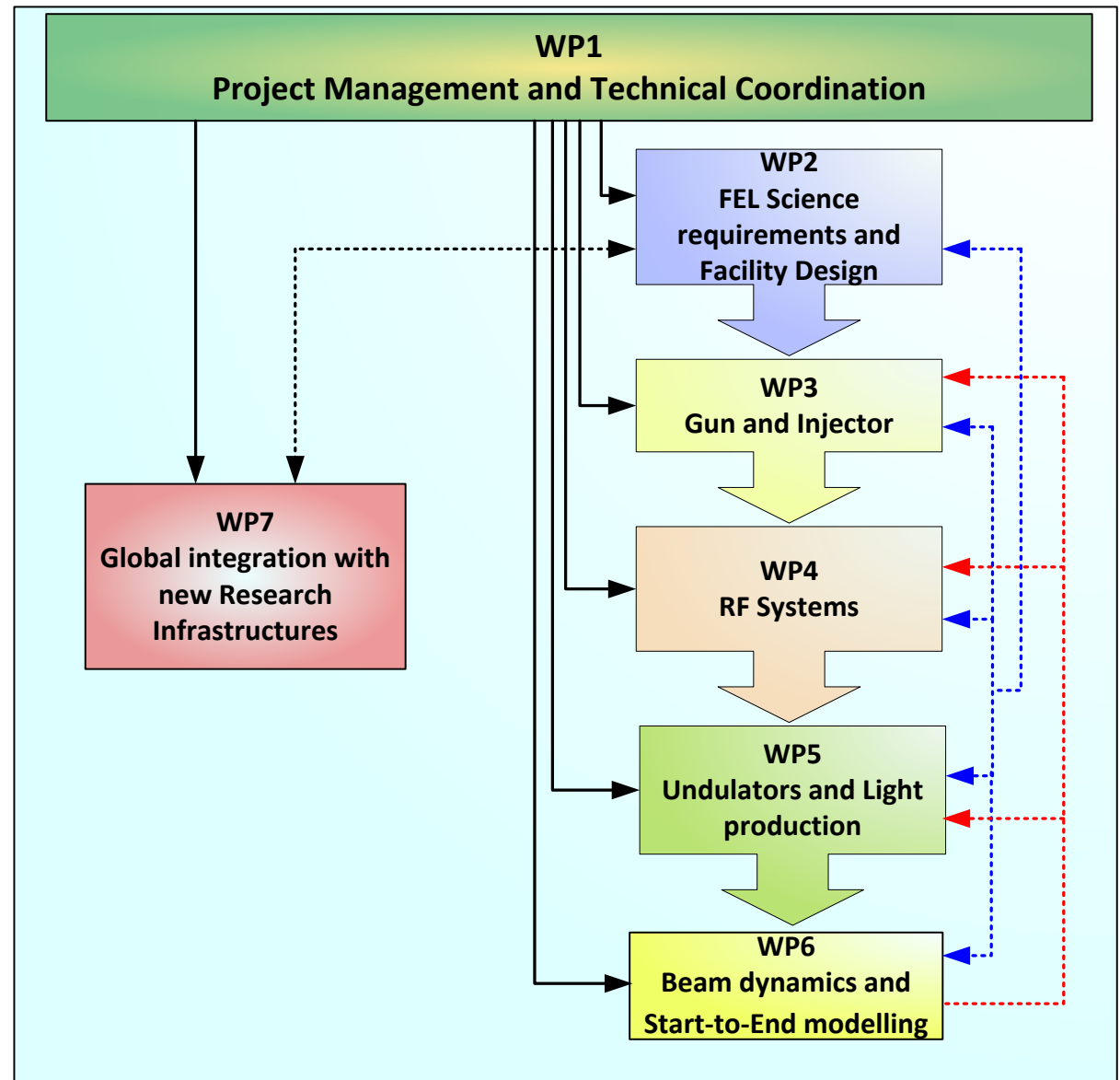
D7.1 Mid-term Report , **M24**

D7.2: Final Report, **M36**

WP on Strategic Aspects:
Promote the technology!

Some WP7 activities may be carried out jointly with WP2

Partners: 12 (27 pm), all WP Leaders, two companies,
WP7 Leader: ST





Task 7.1: Global integration of CompactLight for new RIs

Use of CompactLight for construction and upgrade of large facilities:

- **User demands:** in the near and mid-term future; FEL construction, accelerator upgrades, ...
- **Technical and financial aspects:** Photon characteristics, electron beam parameters, funding (existing and desired RI)
- **How to use XLS** to satisfy needs, provide feasible upgrade paths ...

Task 7.2: Services to be provided

Complementary aspects of XLS technologies:

- Application for **smaller photon sources and particle accelerators** in institutions and countries with limited resources
- Operational exploitation of **very high gradients**

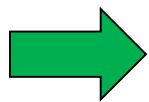
Task 7.3: Preliminary estimation of costs

Cost analyses for the different case studies, including comparison with costs for using conventional technologies (were appropriate)




First Activities in Task 7.1: Global integration ...

1. Gather user demands on FEL and accelerator upgrades in the near & mid-term future
2. Examine photon characteristics, electron beam parameters, funding, infrastructure etc. of existing and desired facilities



- Survey (questionnaires, meetings, interviews)
- Review of literature, conference proceedings

Joint activity with WP2
→ D2.1 (m12) 

Task 7.2:

Services to be provided

Task 7.3:

Preliminary estimation of costs

Task 7.1 – Activity 3:

Examine how **XLS** can be used to satisfy needs, provide feasible upgrade paths and enhance productivity and lifetime of existing RIs



WP7: Gantt Chart

Task \ Month of WP7	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
D7.1, D7.2, D2.1															
MS12, MS14, MS15, MS17, MS18															
7.1: Global integration of XLS for Ris															
1. Gather user institutions' needs															
2. Review (existing and desired) facilities															
3. Examine how XLS can be used															
Task 7.2: Services to be provided															
1. Study use in universities (low cost)															
2. Study exploitation of very high gradients															
Task 7.3: Preliminary estimation of costs															
1. New Facilities: construction + operation															
2. Accelerators: components, construction															
3. Complementary use															
4. Upgrade of existing facilities															



WP7: Partner Involvement

Partner	PM	T7.1 Global integration of CompactLight for RIs	T7.2 Services to be provided	T7.3 Preliminary estimation of construction / operation costs
1-ST (Leader)	11	TL	+	+
2-CERN	2			
3-STFC	1	+		
5-IASA	1			+
7-UoM	2			
9-UA-IAT	1			
11-VDL ETG	2			
13-INFN	1			
14-KYMA	2			
16-ENEA	1			
17-ALBA-CELLS	1			
23-VU	2	+		



WP7 Vidyo Meetings:

- WP meetings:
 - approximately one every two months, if needed more often
 - activity and progress reporting of each task, exchange of information between tasks and with other WPs
- Task meetings:
 - work meetings
 - as often as needed, to be planned by task leader
- Proposed day and time: Thursday, 10:00 CET

1st Vidyo Meeting WP7: Thursday, 26/07/2018, 10:00 CET

1st Vidyo Meeting Task 7.1: Thursday, 12/07/2018, 10:00 CET

Thank you!



www.CompactLight.eu