



CompactLight – WP7

1st Annual Meeting | Barcelona, 10-12 December 2018



Regina Rochow

WP7 structure and involved partners (04/10/2018):

WP7 Partner Involvement:

Task 7.1 - Gerardo D'Auria, ST

Global integration of CompactLight
for new Research Infrastructures
running

Task 7.2 - Regina Rochow, ST

Services to be provided
to be started soon ...

Task 7.3 - Evangelos Gazis, IASA

Preliminary estimation of
construction and operation costs
running

Task 7.4 - Evangelos Gazis, IASA

Technology Transfer
running

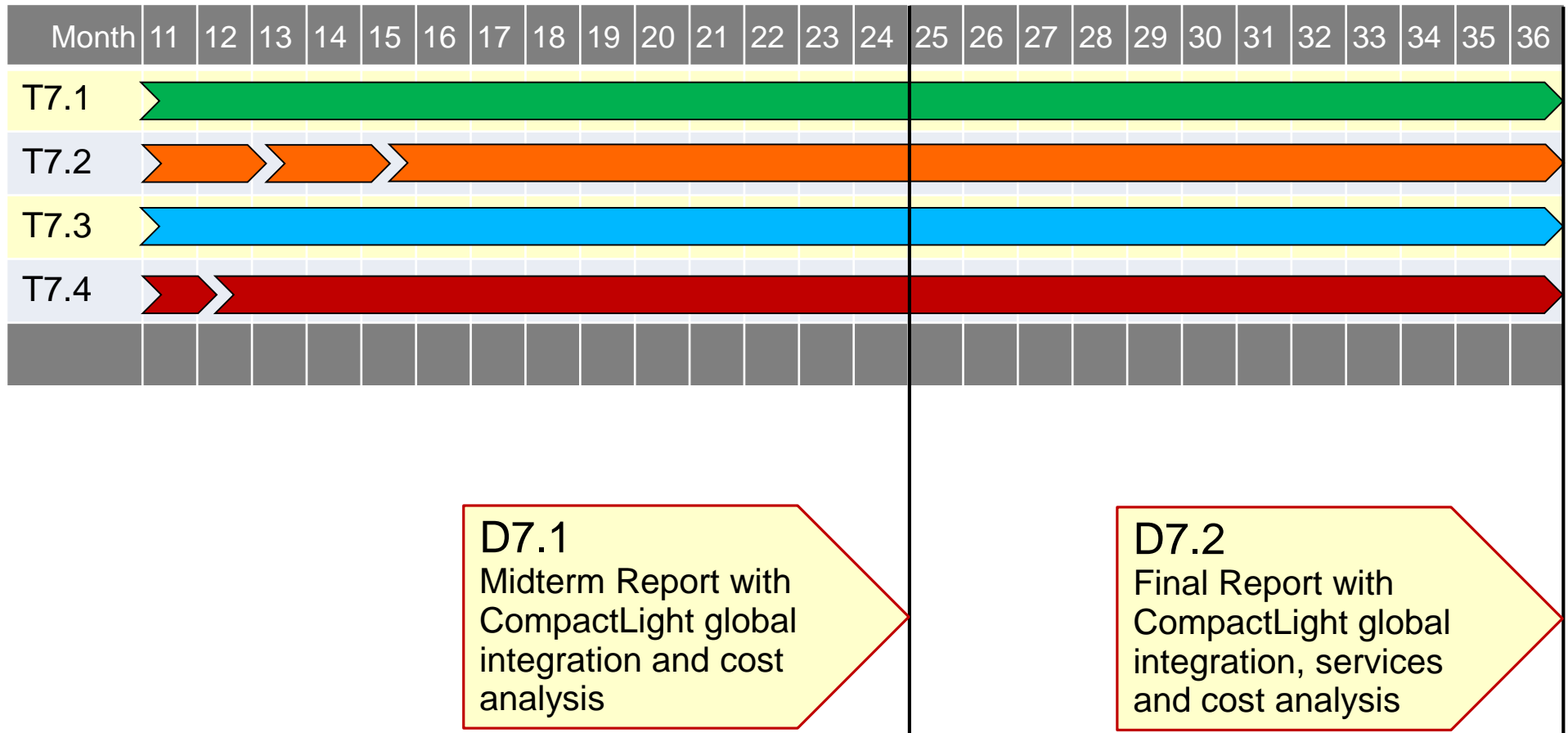


Partner	Effort	Task 7.1	Task 7.2	Task 7.3	Task 7.4
ST	11	TL	TL	x	x
CERN	2	x	x	x	x
STFC	1	x		x	
IASA	1			TL	TL
UoM	2		x		
UA-IAT	1	x		x	
VDL ETG	2		x	x	x
INFN	1	x	x	x	
Kyma	2			x	x
ENEA	1	x		x	
ALBA-CELLS	1		x		x
VU	2	x	x		

Third Party:

Athens University of Economics and Business, **AUEB**

WP7 Timescale:



we should examine ...

needs and application opportunities for
FELs & accelerator upgrades based
on **user demands / scientific cases**

framework conditions for new
infrastructures and upgrades

case studies & scenarios on
how CompactLight can be
used and which are the
benefits of the technologies

our claims: **innovative**, more **efficient** and **compact** accelerator
technologies for facilities with **significantly lower cost**

Task 7.1: Global integration of CompactLight

- new large scale facilities
- upgrades of existing large facilities
- soft or/and hard x-rays



Task 7.2: Services to be provided

- smaller, less costly facilities
- photon & particle beams
- special applications (university research, medical, industrial, ...)





Task 7.1: Subtasks

1. Users demands on FELs

- Discussion with users in the UK and Science@FELs (Stockholm June 2018)
- User Survey and Workshop (with WP2, CERN 27-28 Nov 2018)

results must be further
analysed, reviewed survey
to larger number of users

- (2) Overview of existing infrastructures
- (3) Demands for accelerator upgrades
- (4) Case study on new large facilities
- (5) Case study on integration of existing facilities

Task 7.2: Subtasks

- (1) Photon Beams (ALBA)
- (2) Particle Beams (INFN)
- (3) Special Applications (ST)
- (4) Very high gradients (CERN)

next meeting:
february 2019

will start soon...

but we need subtask
leaders!!!



opportunities for industries: Task 7.4



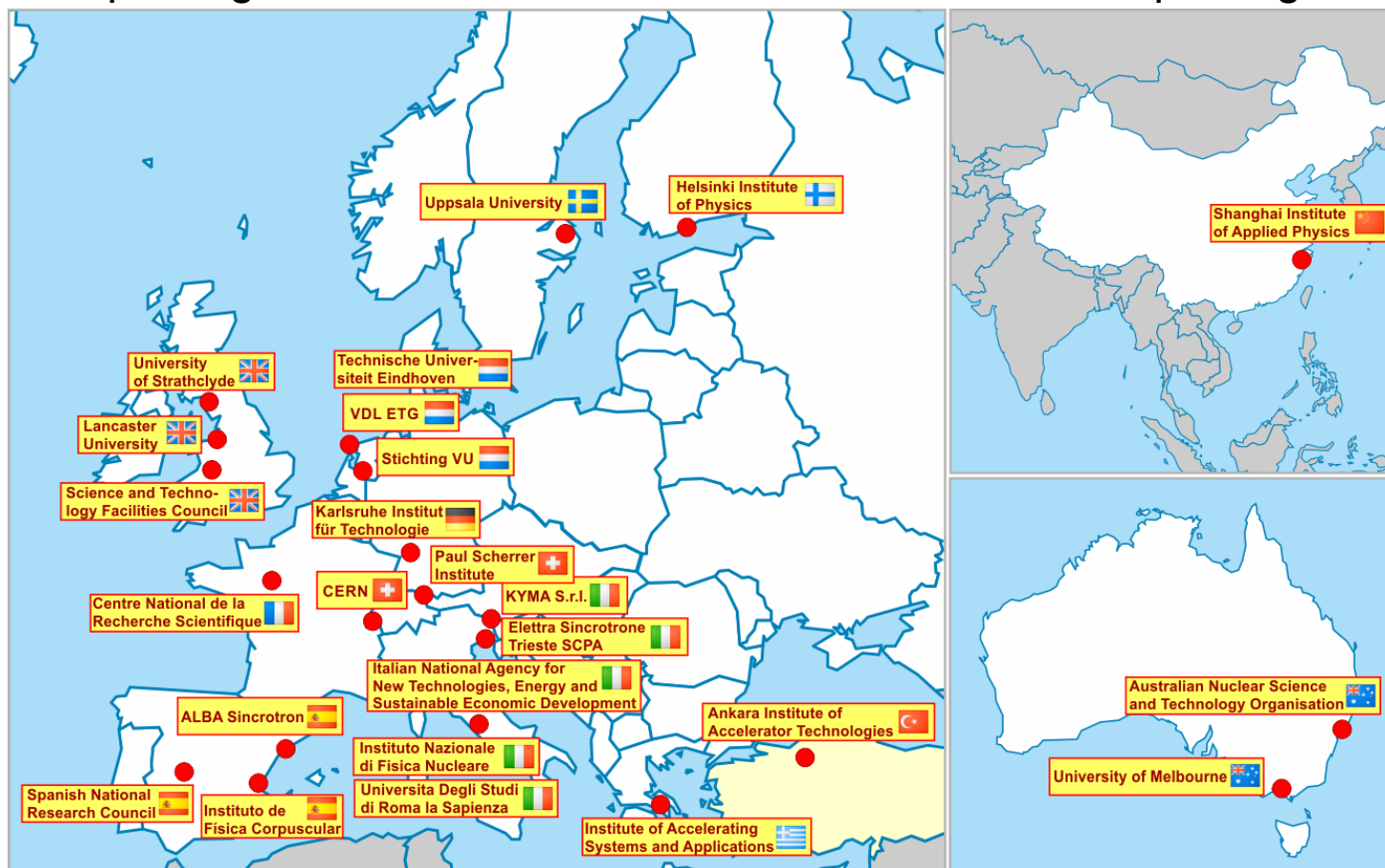
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Compact 

Thank you!

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