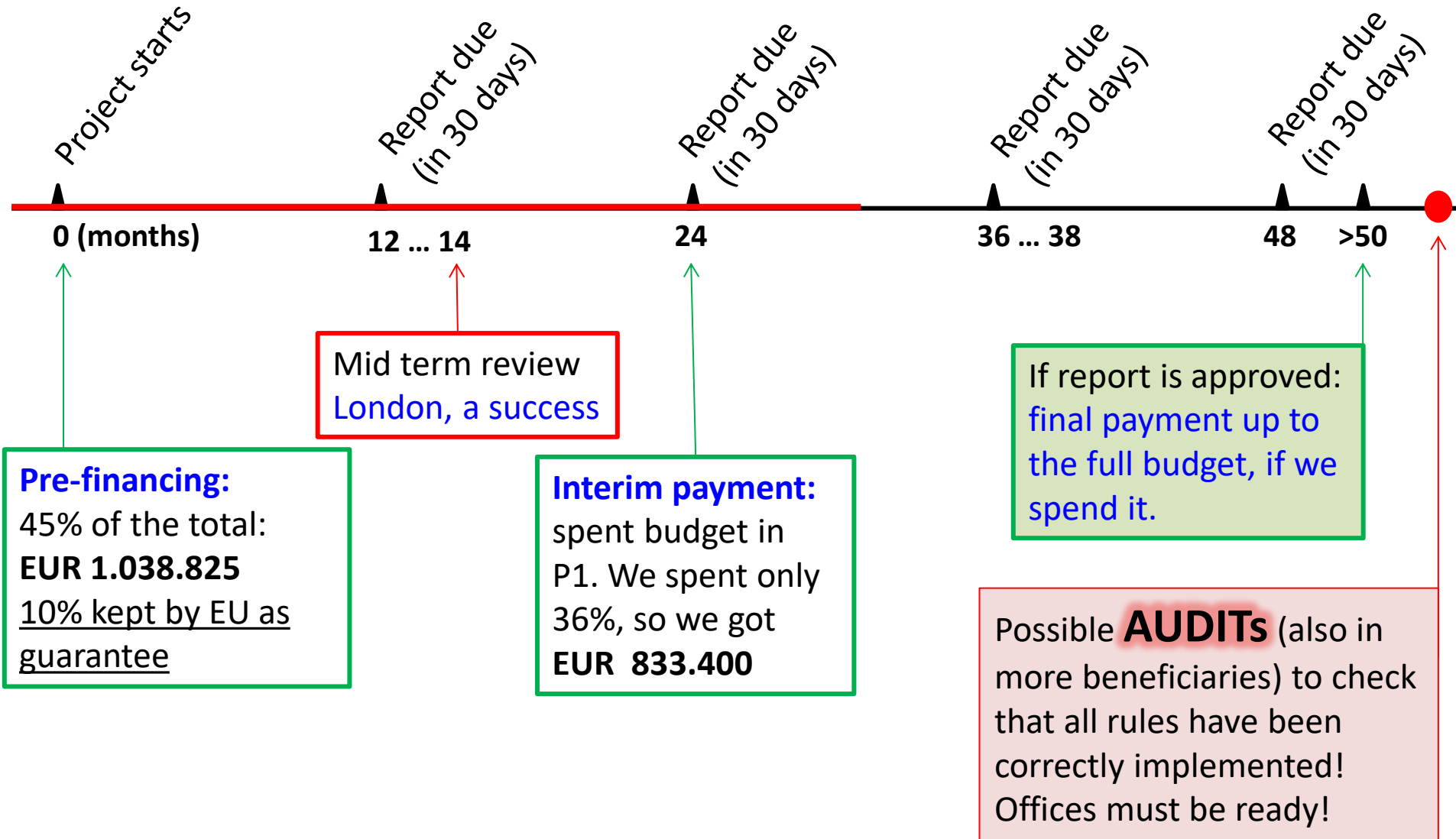


# JENNIFER Project Status

KEK, Tsukuba campus  
October 6<sup>th</sup> 2017



# JENNIFER evolution



# Deliverables

**JENNIFER has to produce 25 deliverables in total:**

- 13 produced and approved
- 1 pending and delayed until end of project due to change of manpower (**Belle2 CDC**)
- 1 expected now but delayed due to experiment schedule change (**Belle2 PXD+SVD**)
- 5 due by march 2018
- 5 due by march 2019

**Note:**

Each deliverable has to be documented on EU Participant Portal (Documents are not supposed to be public ).

Deliverable production is mandatory for project funding.



# Deliverables WP1

Deliverable No	Deliverable Name	Work Package No	Lead Participant Short Name	Nature	Dissemination Level	Delivery Month
1	Offline workshop	1	HEPHY	Meeting	CO	12,24,36,48
2	Belle-II Tutorials	1	JSI	Training	CO	12,24,36,48
3	Reference guide	1	HEPHY	Document	CO	36,48
4	B2 "Yellow Report"	1	CNRS	Document	CO	24

- All the «periodic» (yearly) deliverables have been required on month 12 but the online reporting does not implement multiple submission of the same deliverable....however **we should keep producing them yearly and save our own documentation for any future checks** → keep track of Tutorials and offline workshops.
- **We delivered B2Tip before its official publication by givin access to its webpage.**
- **Still a very important deliverable due by march 2018: should exploit twiki pages.**



# Deliverables WP2

Deliverable No	Deliverable Name	Work Package No	Lead Participant Short Name	Nature	Dissemination Level	Delivery Month
5	FW ECL TDR	2	INFN	Document	CO	10
6	Commissioning Report FW ECL	2	INFN	Document	CO	48
7	CDC commissioning	2	METU	apparatus	--	14
8	PXD White-book	2	DESY	Document	CO	20
9	SVD+PXD full commissioning	2	DESY	apparatus	--	30
10	TOP commissioning	2	INFN	apparatus	--	36
11	ARICH commissioning	2	JSI	apparatus	--	36
12	Diamond sensor final	2	CNRS	apparatus	--	36

- CDC commissioning shifted to month 48
- PXD+SVD commissioning delayed by 1 year due to SperKEKB schedule
- Fw ECL commissioning changed in TDR (and TDR deliverable changed in R&D report)
- TOP, ARICH and Lumi deliverables expected ny march 2018 !!!



# Deliverables WP3

Deliverable No	Deliverable Name	Work Package No	Lead Participant Short Name	Nature	Dissemination Level	Delivery Month
13	anti neutrino analysis report	3	INFN	Document	CO	24
14	report on the methods of MEC searches	3	NCBJ	Document	CO	48
15	combined muon and electron neutrino oscillation analysis report	3	IFAE	Document	CO	48

- **WP3 in general was more «wise» in selecting deliverables.....**
- **Written Reports must be ready by end of the project: be careful with experiment confidential results.**



# Deliverables WP4

Deliverable No	Deliverable Name	Work Package No	Lead Participant Short Name	Nature	Dissemination Level	Delivery Month
16	Updated sensitivity studies for Hyper-K using a new WC detector around 2km	4	QMUL	Document	CO	24
17	Photosensors performance study	4	INFN	Document	CO	36
18	Simulation with gas properties	4	CEA	Document	CO	48
19	Beam target design for 750kW operations	4	RAL	Document	CO	48

- R&D Reports must be written in some details. Possibly conference proceedings or technical notes should be quoted.



# Deliverables WP5

Deliverable No	Deliverable Name	Work Package No	Lead Participant Short Name	Nature	Dissemination Level	Delivery Month
20	EC appointment	5	ALL	Management	--	1
21	Secondments' DB	5	INFN	Web application	--	3
22	Project yearly meeting	5	ALL	Meeting	CO	12,24,36,48
23	Yearly outreach event	5	ALL	Event	PU	12,24,36,48
24	Degree student institute	5	ALL	Training	CO	12,24,36,48
25	Masterclasses Exercises	5	ALL	Dissemination	PU	24

- **JENNIFER school reduced to 1 every 2 years: next edition july 2018**
- **Yearly project meetings going on**
- **Yearly outreach event to be organized for 2017 and 2018 ! Candidates wanted!**





## Secondments in period 1 (months 1-24)

WP	Days total	months	planned in 4 years	fraction done
WP1	407	13,6	65	20,9%
WP2	2835	94,5	227	41,6%
WP3	1559	52,0	113	46,0%
WP4	677	22,6	98	23,0%
WP5	66	2,2	10	22,0%
<b>Grand Total</b>	<b>5544</b>	<b>184,8</b>	<b>513,0</b>	<b>36,0%</b>

**We underperformed !** An integration of the Progress Report was required by the PO to explain the reasons behind. A **detailed new plan was also required** to demonstrate that we will accomplish the whole program by end of the project.

**Luckily Secondments definition finally simplified by EU:**

**Travels of the same person, to the same host, for the same WP, are summed up into one single secondment.** Only requirement is at least 30 days per secondment.



## Secondments in period 1 per Beneficiary

Institution	Days total	months planned in 4 years	fraction done	missing person months	
INFN	2341	78,0	166	47,0%	88,0
DESY	318	10,6	95	<b>11,2%</b>	84,4
OAEW-HEPHY	99	3,3	24	<b>13,8%</b>	20,7
IFJ PAN	167	5,6	9	61,9%	3,4
UKP	110	3,7	10	36,7%	6,3
JSI	585	19,5	27	72,2%	7,5
METU	0	0,0	14	<b>0,0%</b>	14,0
CNRS	443	14,8	17	86,9%	2,2
CEA	345	11,5	28	41,1%	16,5
IFAE	163	5,4	23	<b>23,6%</b>	17,6
NCBJ	523	17,4	28	62,3%	10,6
QMUL	247	8,2	30	<b>27,4%</b>	21,8
STFC-RAL	172	5,7	38	<b>15,1%</b>	32,3
CAEN	31	1,0	4	<b>25,8%</b>	3,0
Total	5544	184,8	513	36,0%	328,2



## Final Secondment plan, with time profile:

Time profile per WP (person months)				
WP number	months 25-30	months 31-36	months 37-42	months 43-48
1	5,85	10,4	22,75	13,8
2	31,3	41,8	33,3	25,2
3	9,9	23,88	9,89	18,8
4	8,9	16,35	30,3	16,95
5	1,7	2	2,5	1,5
<b>Total</b>	<b>57,65</b>	<b>94,43</b>	<b>98,74</b>	<b>76,25</b>

## Performed&scheduled up to now (months 25-30):

WP	Days total	months planned in P2	fraction done
WP1	171	5,7	10,8%
WP2	1697	56,6	43,0%
WP3	234	7,8	12,5%
WP4	388	12,9	17,8%
WP5	31	1,0	13,4%
<b>Grand Total</b>	<b>2521</b>	<b>84,0</b>	<b>25,7%</b>



## Final Secondment plan per beneficiary

Time profile per Beneficiary (person months)				
Beneficiary	months 25-30	months 31-36	months 37-42	months 43-48
INFN	23,85	28,1	19,25	16,7
DESY	10,3	24,3	29,2	20,8
OAEW-HEPHY	5,7	4,1	8,5	2,3
IFJ PAN	1,4	0,5	2	1
UKP	0	3	0,9	2,5
JSI	2,5	2,4	2	0,6
METU	4	1	4	5
CNRS	0,1	0,8	0,7	0,6
CEA	2,4	5,5	2,8	5,8
IFAE	2,5	5	5	4
NCBJ	0	4,58	4,89	0,5
QMUL	3,1	6,85	10,1	7,2
STFC-RAL	1,8	7,3	8,4	8,25
CAEN	0	1	1	1
<b>Total</b>	<b>57,65</b>	<b>94,43</b>	<b>98,74</b>	<b>76,25</b>



# Comments on Secondments

- In the final plan the PO asked us to indicate **the names** of all the people who will take secondments until the end of the project → **No more new people can be included in the project !**
- However secondment compensations among different existing people in a single beneficiary are possible.
- Secondment compensation among different WPs in a single beneficiary can be considered, if really necessary, but need to be approved by the PO.
- **Secondment compensations among different beneficiaries may be very useful**, as for sure some groups will not manage to use all their assigned p.m., while other groups may need more. **This implies a change in the project budget share and definitely requires PO approval.** Should be considered seriously and proposed all in once to the PO.

**Let me remind once again the importance of keeping accurately track of each secondment: Travel documents, Secondment declaration, Activity report. Be ready for possible audits !**



# Interim payment

beneficiary	Reported person months	Reported cost FORM C
INFN	76,10	€ 342.450,00
DESY	10,40	€ 46.800,00
OAW HEPHY	3,37	€ 15.150,00
IFJ-PAN	5,60	€ 25.200,00
UKP	1,73	€ 7.800,00
IJS	21,63	€ 97.350,00
METU	0,00	€ 0,00
CNRS	14,77	€ 66.450,00
CEA	11,70	€ 52.650,00
IFAE	5,57	€ 25.050,00
NCBJ	16,43	€ 73.950,00
QMUL	11,23	€ 50.550,00
STFC-RAL	5,27	€ 23.700,00
CAEN	1,40	€ 6.300,00
<b>Total</b>	<b>185,20</b>	<b>€ 833.400,00</b>

**Due to our low expenditure during P1, we received about 205 k€ less than than 45% of the total budget.**



# Agreement on interim payment share

beneficiary	Proposed interim quota:	Quota reduced by CF contrib
INFN	€ 336.150,00	€ 312.156,04
DESY	€ 96.109,93	€ 82.378,45
OAW HEPHY	€ 26.480,36	€ 23.011,35
IFJ-PAN	€ 24.300,00	€ 22.565,50
UKP	€ 12.017,13	€ 10.571,71
IJS	€ 54.675,00	€ 50.772,37
METU	€ 9.602,86	€ 7.579,27
CNRS	€ 34.425,00	€ 31.967,79
CEA	€ 54.021,84	€ 49.974,66
IFAE	€ 32.341,06	€ 29.016,59
NCBJ	€ 50.625,00	€ 47.011,45
QMUL	€ 62.921,94	€ 56.706,64
STFC-RAL	€ 32.820,18	€ 29.206,63
CAEN	€ 6.909,71	€ 6.331,54
Sums	€ 833.399,99	

We decided to assign 45% of their total budget to all beneficiary who have spent more than that.

We share proportionally among the others the exceeding amount.



# Outreach and communication

JENNIFER school for undergraduate students:

**S. Lange and Giessen group organized an excellent school in 2016. Thanks !**  
**A new edition is being proposed in Trieste (see specific talk)**

Masterclasses:

**Exercise preparation for Belle2 is advanced (see talk). Next year probably first test with students.**

**IT would be important to work out something similar for T2K ! Can we find a motivated working group ?**

Public events (in Europe):

**2 public conferences organized together with firsts 2 JGM.**

**Looking for volunteer groups to organize 2017 and 2018 edition ! Budget granted.**





# Publications

**It is now extremely important to prove to EU our production of scientific communications, i.e. articles and talks:**

- **All collaborations papers must be listed on the Participant Portal: please do inform me of any new paper and we will upload its data.**
- **We should ask to our collaborations to include JENNIFER in the acknowledgement section.**
- **Also all conference proceedings regarding JENNIFER activity, which have been presented by one of our seconded colleagues, must also be listed on the participant portal: please do inform jennifer-secretariat.**



