



# Consortium Council meeting

april 22<sup>nd</sup> 2016



Japan and Europe Network for Neutrino and  
Intensity Frontier Experimental Research

# Agenda

**Discussion and approval of the first year report**

**Report on the common budget situation and next activity plan**

**Choosing the time for the next meeting (in Japan)**

**Consortium agreement status**

**The first Jennifer school**

**Accounting news**

# JENNIFER deadlines

- **Second project year started on april 1st**
- **By april 30<sup>th</sup> we must submit the first progress report in a very compact form:**
  - **10000 characters to describe the performed activities, including deliverables and milestones.**
  - **10000 characters to describe delays and critical paths, and the measures we are taking to manage them.**
- **On september 23<sup>th</sup>, at Queen Mary University of London, we will hold the project Mid Term Review in front to the EC officers.**
- **On april 2017 we will receive the second 45% of our budget, which will be conditioned to the review findings.**

# Secondment status

More than 2500 days of secondment already performed by 98 different persons during 189 different periods !

44 persons have already taken more than 1 month.

Huge accounting work, but internal procedure to obtain the **host declaration** via [jennifer-secretariat@roma3.infn.it](mailto:jennifer-secretariat@roma3.infn.it) worked quite well (apart some very late or even delayed requests....). **But we can do much better...**

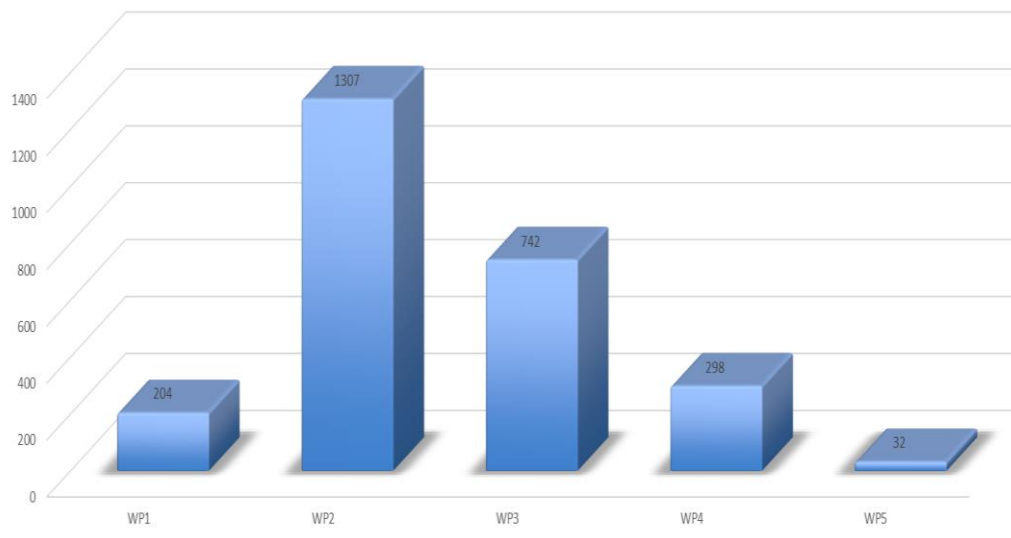
An internal secondment DB has been designed and integrated in the JENNIFER website («Secondments» link). DB allows to store both the planned secondments (and to update them) and the really performed ones: **we need collaboration from each group to associate real names to planned secondments. You will be contacted by jennifer-secretariat: please help!**

The EU online DB («Continuous reporting») on the Participant Portal **MUST** be filled by each beneficiary with researchers' names and travel data. We observed many missing data: do not forget !

**Remember that beneficiaries are responsible for keeping full documentation of their staff secondments: tickets, declarations, activity report.**

# Secondments statistics per WP

WP	Days total	"months"	months due in 4 years	fraction completed
WP1	204	6,8	65	10,5%
WP2	1307	43,6	227	19,2%
WP3	742	24,7	113	21,9%
WP4	298	9,9	98	10,1%
WP5	32	1,1	10	10,7%
<b>Grand Total</b>	<b>2583</b>	<b>86,1</b>	<b>513</b>	<b>16,8%</b>



**WP2 and WP3 almost on track**

**WP1 and WP4 have a slower budget profile, but they must increase rate.**

**WP5 needs just to account coordinators secondments.**

## Secondments statistics per institution

Institution	secondment days	"months"	months due in 4 years	fraction completed
INFN	1088	36,3	166	21,8%
CAEN	19	0,6	4	15,8%
CEA	158	5,3	28	18,8%
DESY	119	4,0	95	4,2%
IFAE	81	2,7	23	11,7%
IFJ PAN	124	4,1	9	45,9%
IJS	296	9,9	27	36,5%
LAL-CNRS	219	7,3	17	42,9%
METU	0	0,0	14	0,0%
NCBJ	213	7,1	28	25,4%
OEAW-HEPHY	31	1,0	24	4,3%
QMUL	143	4,8	30	15,9%
STFC-RAL	92	3,1	38	8,1%
UKP	0	0,0	10	0,0%
	2583	86,1	513,0	16,8%

**Project on average almost on track.**

**Low secondments rate in some institutes to be understood:** maybe in some cases non communication with secretariat ?

## Flavour physics at an $e^+e^-$ collider

### Task 1.1: Detector related software:

Deliverables: **annual workshops (each year)**

### Task 1.2 : Physics analysis tools

Deliverables: **tutorials to Belle-II members (each year)**  
**written and updated user guide (month 36-48)**

### Task 1.3: Belle-II physics-theory interface platform

Deliverables: **Belle-II yellow report (month 24)**

- Large progresses in all tasks (Christoph)
- Standard Belle2 meetings used deliverables but: should take care that either participants or organizers use JENNIFER secondments. WP1 should start using more secondments !
- B2TIP explicitly supported

## BELLE-II detector construction and test

### Task 2.1: Forward Electromagnetic Calorimeter

Deliverables: **final TDR (month 10)** moved to month 16 at last JGM  
**final Commissioning Report (month 48)**

A lot of R&D done. Also a lot of sw and simulation. Added items to original plan: Radiation hardness, study of WLS, beam background, BEAST.

However month 16 is not realistic for a TDR. Need to redefine timescale and objectives of the activity. My proposal is:

- Replace Commissioning Report with TDR at month 48
- Replace TDR at month 16 with a R&D report later on (month 24?) including BEAST data.
- Give some role also to SW activity for barrel ECL ?



# Status of WP 2/2

## Task 2.2 : Tracking detectors

**Deliverables:** full CDC commissioning with cosmics (month 14)

PXD whitebook (month 20)

full SVD+PXD integration and commissioning inside BELLE-II (month 30)

CDC: work almost done, but without METU involvement due to administrative problems. Discussed with Mehmet: he is confident to find other people that can take secondments and work in CDC.

Need to redefine METU involvement, moving it to commissioning with beams + combined tracking together with vertex detector. Deliverable at month 48.

SVD + PXD production started. First sector tested. Common test beam done.

Deliverable PXD whitebook will be in time at month 20.

Integration and commissioning is delayed due to SUpErKEKB schedule: all intermediate steps shifted. Full commissioning deliverable expected for month 45.

# Status of WP 2/3

## Task 2.3: Particle identification

**Deliverables:** Barrel PID calibration and commissioning (month 36)  
Forward PID calibration and commissioning (month 36)

Construction is proceeding generally on track, and deliverables are still far in time. However need more details from Peter and Ezio.

## Task 2.4: Luminosity monitor

**Deliverables:** diamond sensors optimization for accelerator feedback (month 36)

Activity on track: diamond sensors deployed and installed in BEAST as expected.

## Neutrino Oscillation Physics

Task 3.1: Neutrino interactions and cross sections

Task 3.2 : External background studies

Task 3.3: Exotic physics

**Common Deliverables:** report on anti-neutrino analysis (month 24)  
report on MEC searches methods (month 48)  
report on combined electron and muon neutrino  
oscillation analysis (month 48)

News from Vincenzo. No critical deliverables up to now

## Towards HyperKamiokande

### Task 4.1: Water Cherenkov detector

**Deliverables:** HyperK sensitivity study with a 2 Kton WC detector (month 24)  
Photosensor performance study (month 36)

### Task 4.2 : High Pressure TPC

**Deliverables:** detailed simulation (month 48)

### Task 4.3: Beam

**Deliverables:** Beam target design and proposal (month 48)

According to Francesca alla activities are on track. No more 1kton prototype (which was luckily not included in final deliverables list).

However secondments rate must increase. Probably due to startup of the HK project.

# Status of WP 5

10 person months

## Task 1.1: Management of secondments

Deliverables: **appointing project Executive Committee (month 1)**  
**Secondments DB creation and maintenance (month 3)**

## Task 1.2 : Organization of common events

Deliverables: **yearly general meeting**

## Task 1.3: Outreach activities

Deliverables: **yearly outreach event**  
**yearly school for graduate students**  
**BELLE-II inclusion in masterclasses program (month 24)**

All activities OK, added also support for students going to NUPHYS2015.

However:

- DB need still work to be exploited
- School will take place 23-27 of july: applications received. More work needed
- Have to organize new JGM in Japan !
- Have to organize outreach and industry events for 2016
- Masterclass work not yet started.....

## **JENNIFER Outreach team needed**

**I promised to push this activity last year in June, but I did not manage really, apart from promoting isolated support to single initiatives.**

**It is anyhow a good idea to ask for limited JENNIFER support for local nice outreach events, so that we can mention them in our reports.**

**However now a team is really needed: some people already expressed interest last year, I hope they still can help for:**

- **Common set of posters for exhibitions**
- **Masterclasses exercises**
- **Industry meetings**

# Common fund status

activity	months 1-12	months 13-24	months 25-36	months 37-48	
		GM in Japan		GM in Japan	
general meeting:					
beneficiary participation	16250	0	16250	0	
partners participation	6800	1000	6800	1000	
organization	3800	3800	3800	3800	
outreach event	3000	3000	3000	3000	
industries meeting	4000	4000	4000	4000	
mid-term review: PO and FO participation		4500		4500	
graduate student summer school		15000		15000	
B2TIP theorist support at KEK		7500		7500	
web site + communication material	2000		1000		
masterclasses program					
					Total €
Total year	35850	38800	34850	38800	148300

**Total expenditure in month 1-12 is 35157 euros, including 5610 euros from B2TIP budget (15000 in total) which was expected to be spent in second year. So we are saving about 5keuros**

# Summer School

Will take place in Grunberg, near Giessen, on 25-29 july.

We received 19 applications (had a maximum at 20 students)

**19 Students will cost 14 keuros. We have then up to the 5keuros saved in year-1 to cover the lecturers:**

title	t.s.	speaker	Cost estimate
SM physics and beyond	3	T.Mannel	Travel 0 + 3 days : 330 €
B physics and CP violation	3	C.Schwanda	Travel + 3 days : 600 €
Detectors for collider experiments	3	C.Marinas	Travel + 3 days: 600 €
Neutrino oscillation phenomenology	3	M.Maltoni	Travel + 3 days: 600 €
Neutrino detectors and neutrino beam	3	A. Bravar	Travel + 3 days: 600 €
Students activity tutors	5		Assume 2 people from outside, 2 days each: 800 €



# 2016 JENNIFER general meeting

## When?

Belle-II and T2K communities have very different agendas...

Spring: T2K meets end of may, Belle2 end of june

Autumn: T2K meets end of september, titt october 1, Belle2 meet october 17.

Could we try an intermediate date in october, so that T2K people stay more and Belle2 come early? A first poll in Belle2 showa that people cannot arrive in Japan before october 13..... Too late for T2K ?

Another possibility: just after B2GM, october 24. This would require T2K people to travel another time, but maybe they can combine it with some other bussiness?

Please let's try to find a compromise.

## Cost:

Participation should be covered by secondments.

We have 4800 euros for organization in Japan: can be enough?

# Consortium agreement

Some months ago I circulated a draft and received many comments (with some delay).

As you may expect, most comments concern the common fund allocation and management.

Recently I have been strongly advised to get to explicitly explain in the CA what we are doing with common fund, and how much we invested in it at the beginning of the project.

The CA will be a key document to demonstrate to possible auditors how we managed common activities.

It is my task now to converge to a final version and send it to you and your legal officers. It is your task to make them sign it !

# Budget accounting news

1 secondment person month = 4500 €

**Formally:** 4500 = 2000 (researcher's salary top-up) +  
1800 (research & networking costs) +  
700 (management costs)

*Category A*

*Category B*

At least 2000 euros/ months must be given to the person in secondment.

However, as the time passes and more cases are presented to EU officers, it is now becoming clear that they do not like spending any saved money for post doc positions or other form of recruitment.

Be careful: this does not exclude that you can do it, just by asking your institution to exchange JENNIFER money with travel money. Let's try not to show explicitly any personnel cost covered directly by JENNIFER money.

**SPARES**

# Continuous reporting

A new section has been added to the Participant Portal to allow direct reporting from each beneficiary:

The screenshot displays the 'MY PROJECT' section of the Participant Portal. On the left, a sidebar contains project details for 'HORIZON 2020' (Call: H2020-MSCA-RISE-2014, Type of Action: MSCA-RISE, Acronym: JENNIFER, Current Phase: Grant Management, Number: 644294, Duration: 48 months, Start Date: 2015-04-01, Estimated Project Cost: €2,308,500.00, Requested EU Contribution: €2,308,500.00, Contact: Robert SZCZEPANSKI). A 'Launch new interaction with the Service' button is visible in the top right. The main area shows three project processes with progress bars and icons for documents and communications. The first process, 'Continuous project reporting 644294 - JENNIFER', is dated 01/04/2015 and is in the 'Started' phase. A red circle highlights the 'Continuous reporting data' document icon. The second process, 'Ethics Appraisal 644294 - JENNIFER', is dated 24/04/2014 and is in the 'Launched' phase. The third process, 'Proposal Management & Grant Preparation 644294 - JENNIFER', is dated 24/04/2014 and is in the 'Submitted' phase, with subsequent stages 'Informed', 'Invited', 'Prepared', 'Signed', and 'Paid' shown as completed.

MY PROJECT

Launch new interaction with the Service +

**Continuous project reporting**  
644294 - JENNIFER 01/04/2015  
Started Completed

Continuous reporting data

Process specific documents

Process specific communications

**Ethics Appraisal**  
644294 - JENNIFER 24/04/2014  
Launched Completed

Process specific documents

Process specific communications

**Proposal Management & Grant Preparation**  
644294 - JENNIFER 24/04/2014  
Submitted Informed Invited Prepared Signed Paid

Process specific documents

Process specific communications

H2020 ONLINE MANUAL

HOW TO

# Two pages are activated under Continuous reporting: Deliverables and Researchers



Project Continuous Report

Project 644294 (JENNIFER)

Deliverables Researchers

Call: H2020-MSCA-RISE-2014 Action : MSCA-RISE


Resp. Unit: REA/A/03

Duration: 48

Each beneficiary can submit documents for deliverables

## Deliverables

For each Deliverable, a single file (max 50MB) can be uploaded

WP No	Del No	Title	Est. Del. Date (annex I)	Receipt Date	Accept Date	Status
WP2	D2.1	FW ECL TDR	01/02/2016			Pending
WP3	D3.1	Anti neutrino analysis	01/04/2017			Pending
WP4	D4.1	Updated sensitivity st	01/04/2017			Pending
WP5	D5.1	EC appointment	01/05/2015	06/05/2015		Submitted 
WP1	D1.1	Offline workshop	01/04/2016			Pending
WP1	D1.2	Belle-II Tutorials	01/04/2016			Pending
WP3	D3.2	Report on the method	01/04/2019			Pending
WP2	D2.2	Commissioning Report	01/04/2019			Pending
WP5	D5.2	Secondment's DB	01/07/2015			Pending
WP4	D4.2	Photosensors perform:	01/04/2018			Pending
WP5	D5.3	Project yearly meetin	01/04/2016			Pending
WP3	D3.3	Combined muon and e	01/04/2019			Pending
WP1	D1.3	Reference guide	01/04/2018			Pending
WP4	D4.3	Simulation with gas pr	01/04/2019			Pending
WP2	D2.3	CDC commissioning	01/06/2016			Pending

# Researcher's library

Each beneficiary has to upload data for its personnel to be seconded. Data includes birth date and gender.



Project 644294 (JENNIFER)

Deliverables Researchers

Project Continuous Report

**Be careful:** In this way each staff gets an ID number according to the insertion order ! So if we all do it together, people from a single institution may have very spread out Ids !

Call: H2020-MSCA-RISE-2014 Action : MSCA-RISE

Resp. Unit: REA/A/03 Duration: 48


## Researcher Declaration

### Project's Researcher Library

Fellow Id	First Name	Last Name	Gender	Birthday	Nationality
3	Samo	Korpar	M	24-03-1965	SI - Slovenia
4	Boštjan	Golob	M	02-11-1966	SI - Slovenia
5	Matic	Lubej	M	03-07-1990	SI - Slovenia
6	Manca	Mrvar	F	17-03-1991	SI - Slovenia
7	Marko	Bračko	M	31-08-1970	SI - Slovenia
8	Rok	Pestotnik	M	03-01-1972	SI - Slovenia
9	Anže	Zupanc	M	12-11-1980	SI - Slovenia
10	Jurij	Eržen	M	13-12-1971	SI - Slovenia
11	Marko	Starič	M	25-08-1956	SI - Slovenia
12	Tara	Nanut	F	27-08-1989	SI - Slovenia
13	Paolo	Branchini	M	21-11-1964	IT - Italy
14	Federico	Budano	M	06-08-1975	IT - Italy
15	Giulia	Casarosa	F	05-12-1983	IT - Italy
16	Diego	Tagnani	M	23-03-1982	IT - Italy

# Researcher's Declaration

Beneficiaries have to upload data of each secondment period not later than 20 days after the starting date. Up to now there is open tolerance about this deadline....



Project 644294 (JENNIFER) Deliverables

Call: H2020-MSCA-RISE-2014 Action : MSCA-RISE  
Resp. Unit: REA/A/03 Duration: 48

### Researcher Declaration

Project's Researcher Library

Fellow Id	First Name
22	Antonio
23	Giuliana
24	Giovanni
25	Marco
26	Francesco
27	Antonio
28	Stefano
29	Massimo
30	Loris
31	Alessandro
32	Roberto
33	Massimo
34	Ezio
35	Andrea

### New Researcher Declaration

Researcher Information    Secondment Information    Secondment Period

**Legal Name** 1. ISTITUTO NAZIONALE DI FISICA NUCLEARE

**PIC** 999992789

**Country** IT - Italy

**Sector**  Academic  Non-Academic

**Destination Organisation**

**Legal Name** 15. INTER-UNIVERSITY RESEARCH INSTITUTE CORP ?

**PIC** 999572779

**Country** JP - Japan

**Sector**  Academic  Non-Academic

**Other Information**

**Work packages**

	Number	Title	Lead Beneficiary	End Month
<input type="checkbox"/>	1	Flavour physics at an e+e-	Flavour physics at an e+e-	48
<input type="checkbox"/>	2	Towards HyperKamiokande	Towards HyperKamiokande	48
<input type="checkbox"/>	3	Management	Management	48
<input type="checkbox"/>	4	Belle-II detector construction	Belle-II detector construction	48



## Common fund expenditure up to now:

Web site + DB	2500
Industry event organization	1500
Social event	1500
Catering	2000
Partners travel	3500
Outreach event	700
Few more costs to be evaluated...	
<b>Total</b>	<b>~12000</b>
<b>Expected</b>	<b>19600</b>

**Beneficiary participation: budget was 16250 € for 25 expected persons.  
Italians from outside Rome were 6 (they cost less).  
I propose to assume a standard cost for participant**

