

# Japan and Europe Network for Neutrino and Intensity Frontier Experimental Research



## Consortium Council

1. Status of secondments implementation and planning for the last year
2. Final deliverable production plan
3. Status of common fund
4. Plan for final project meeting in 2025
5. AOB

# JENNIFER2 Consortium

<b>Beneficiary</b>	<b>grant amount from GA</b>	<b>number of person months</b>	<b>PI / Council representative</b>
INFN	€ 731.400,00	159	R. De Sangro / G.Catanesi
DESY	€ 372.600,00	81	C.Niebuhr
OEAW	€ 101.200,00	22	C. Schwanda
JSI	€ 128.800,00	28	R.Pestotnik
CNRS	€ 184.000,00	40	P.Bambade
CEA	€ 96.600,00	21	S.Bolognesi
KCL	€ 207.000,00	45	F. Di Lodovico
UKRI	€ 151.800,00	33	J. Ursu
UKP	€ 41.400,00	9	Z. Dolezal
IFJ PAN	€ 82.800,00	18	A. Bozek
NCBJ	€ 115.000,00	25	J. Lagoda
TAU	€ 27.600,00	6	A. Soffer
METU	€ 27.600,00	6	M. Zeyrek
UNIGE	€ 110.400,00	24	F. Sanchez
IFAE	€ 55.200,00	12	T. Lux
FBK	€ 4.600,00	1	A. Gola
CAEN	€ 13.800,00	3	A. Iovene -> F.Giordano
<b>Total</b>	<b>€ 2.451.800,00</b>	<b>€ 533,00</b>	

## Secondments' plan for Period 2 (months 25-48)

Beneficiary	Total secondments	Implemented in RP1	Planned in RP2	Sum RP1+RP2
INFN	159	71,3	87,5	158,8
DESY	81	51	30,3	81,3
OAW-HEPHY	22	15	7,6	22,6
JSI	28	13,3	14,7	28,0
CNRS	40	18,3	22,1	40,4
UKP	9	1,8	7,5	9,3
KCL	45	4,8	61,4	66,2
IFJ-PAN	18	6	12,0	18,0
NCBJ	25	11,2	13,8	25,0
CEA	21	4,1	16,9	21,0
TAU	6	1,5	4,5	6,0
METU	6	0	6,0	6,0
UNIGE	24	5,5	18,5	24,0
IFAE	12	1,4	10,6	12,0
UKRI-RAL	33	5	6,8	11,8
CAEN	3	0	2,0	2,0
FBK	1	0	1,0	1,0
<b>Total</b>	<b>533</b>	<b>210,2</b>	<b>323,0</b>	<b>533,2</b>

*get 21 months from UKRI*

*move 21 months to KCL*

## Updated secondment status

Istitution	Days total	months	planned	fraction done	missing days
INFN	3606	120,2	159	75,6%	1164
DESY	2127	70,9	81	87,5%	303
OEAW-HEPHY	676	22,5	22	102,4%	-16
IFJ-PAN	249	8,3	18	46,1%	291
UKP	55	1,8	9	20,4%	215
JSI	608	20,3	28	72,4%	232
METU	22	0,7	6	12,2%	158
TAU	65	2,2	6	36,1%	115
LAL-CNRS	981	32,7	40	81,8%	219
CEA	477	15,9	21	75,7%	153
IFAE	360	12,0	12	100,0%	0
UNIGE	356	11,9	24	49,4%	364
NCBJ	507	16,9	25	67,6%	243
KCL	145	4,8	66,2	7,3%	1842
UKRI	150	5,0	11,8	42,4%	204
CAEN	7	0,2	3	7,8%	83
FBK	0	0	1	0	30
Total	10391	346,4	533,0	65,0%	5599

**Corrective measures?**

**Maybe some reports are missing in our DB?**



## secondments: WPs

WP	Days total	months	planned	fraction done
WP1	5705	190,2	221	86,0%
WP2	2764	92,1	139	66,3%
WP3	803	26,8	85	31,5%
WP4	400	13,3	32	41,7%
WP5	719	24,0	56	42,8%
<b>Grand Total</b>	<b>10391</b>	<b>346,4</b>	<b>533,0</b>	<b>65,0%</b>

HyperK should increase by far its secondment rate during the last JENNIFER2 year.



# Deliverables production

WP No	Description	Lead Beneficiary	Nature	Dissemination Level	Est. Del. Date (annex I)	Status
WP7	Progress report submission on the first 12 months activity	INFN	Report	Confidential, only f	30 Apr 2020	Approved
WP8	6.4. Copies of import/export authorisations, as required by national/EU legislation	INFN	Ethics	Confidential, only f	31 Mar 2021	Approved
WP4	Training sessions for PhD students at NDIP conference in 2020	JSI	Other	Public	30 Nov 2022	Approved
WP3	Decision, supported by e technical note, on the use of the UV system to measure	UKRI	Report	Confidential, only f	30 Nov 2023	Pending
WP4	Report on tests and R&D of Silicon PMs used as single photon counters in high	JSI	Report	Public	30 Apr 2024	Pending
WP7	Progress Report on the third year activities	INFN	Report	Confidential, only f	30 Jun 2024	Pending
WP7	project mid-term meeting	INFN	Other	Confidential, only f	30 Sep 2022	Approved
WP4	Report on the studies, test and production process upgrades to increase the M	INFN	Report	Public	31 May 2023	Approved
WP4	Construction of a prototype of the multi-PMT module for HyperK	INFN	Demonstrator	Public	31 May 2023	Approved
WP3	Technical note describing the Outer Detector proposal and R&D.	KCL	Report	Public	31 May 2024	Pending
WP5	Realization of a common BELLE II - HyperK cloud computing demonstrator	DESY	Demonstrator	Confidential, only f	31 May 2024	Pending
WP5	Reference report on statistical treatment of rare signal searches for future com	CEA	Report	Public	31 May 2024	Pending
WP6	Setting up an outreach web portal with links to outreach events of JENNIFER2	INFN	Websites, patents	Public	31 May 2024	Pending
WP1	Journal(s) publication(s) on detector performances and calibration	INFN	Report	Public	31 May 2025	Pending
WP1	Paper on CP violation analysis with Belle II detector	OEAW	Report	Public	31 May 2025	Pending
WP1	First publication on searches for Lepton Flavour Violation and Lepton Flavour U	DESY	Report	Public	31 May 2025	Pending
WP1	First publication on searches for dark sector processes	OEAW	Report	Public	31 May 2025	Pending
WP1	First publication on quarkonium spectroscopy	JSI	Report	Public	31 May 2025	Pending
WP2	Publication describing construction and commissioning of the upgraded ND280	INFN	Report	Public	31 May 2025	Pending
WP2	Report on neutrino cross section measurements on C and O.	IFAE	Report	Public	31 May 2025	Pending
WP2	Publication on the cross section of electron neutrinos with sizeable reduction o	INFN	Report	Public	31 May 2025	Pending
WP2	Publication on the T2K sensitivity to CP violation observables in neutrino sector	CNRS	Report	Public	31 May 2025	Pending
WP3	Report on front-end electronics with low noise performances for large areas P	UNIGE	Report	Public	31 May 2025	Pending
WP3	Report on full simulation with final photosensors, and data analysis test.	KCL	Report	Confidential, only f	31 May 2025	Pending
WP4	Report on the R&D activity on organic photosensors	INFN	Report	Confidential, only f	31 May 2025	Pending
WP5	Organization of a joint Belle II - HyperK workshop on real time techniques and	KCL	Other	Public	31 May 2025	Pending
WP5	Organization of a joint physics workshop on physics addressed in WP1 and W	CNRS	Other	Public	31 May 2025	Pending
WP6	Design and first test of T2K masterclasses	INFN	Other	Public	31 May 2025	Pending
WP6	Organization of summer schools,1 virtual and 1 in person at KEK aimed to phy	TAU	Other	Public	31 May 2025	Pending
WP6	co-supervision of PhD students seconded for longer periods	CNRS	Other	Public	31 May 2025	Pending

**Solve quickly the pending ones.** Are we ready for the many expected at the end of project?

## Common fund

7% of project budget : € 171.626,00

what	best guess	real cost	payed until now
Kickoff meeting	€ 26.000,00	€ 26.000,00	€ 26.000,00
mid term review	€ 2.500,00	€ 2.508,00	€ 2.508,00
J2GM Prague	€ 10.000,00		€ 10.250,00
project web 2019	€ 3.000,00		€ 2.300,00
training@NDIP	€ 7.500,00	€ 7.500,00	€ 7.500,00
Support Anomalies wshop 2021	€ 2.000,00	€ 2.000,00	€ 2.000,00
Computing wshop (2)	€ 3.000,00		€ 742,06
DAQ workshop	€ 2.000,00		€ 413,00
Support to KEKSSP 2024-25	€ 40.000,00		
J2GM in Japan 2024	€ 3.000,00		€ 1.300,00
Final J2GM in Europe	€ 25.000,00		
Physics workshop (joined with J2GM)	€ 10.000,00		
website 2023-25	€ 4.000,00		
co-supervised PhD to conference	€ 10.000,00		
support to nuPhys in UK	€ 3.000,00		
<b>Total</b>	<b>€ 151.000,00</b>		<b>€ 53.013,06</b>
Available fund	€ 171.626,00		
Free money	€ 20.626,00		

Still (many) changes possible.....

## Final J2GM in 2025

- **One possibility is to meet in Rome in spring.** However:
  - 2025 is the Jubilaem. It may be very difficult and expensive to find an accomodation in Rome. Easter is april 20: should stay fare from it, better early march.
- **Otherwise, in Italy somewhere else in a warmer season: Naples? Bari? Isola d'Elba?**
  - Would prefer easy-to-reach sites, to allow a large participation, and possibly invite few colleagues from Japan.
- **Non italian sites are also possible, make your own proposal.**

**Let's decide not later than september.**

Basically I would keep it separate from JENNIFER3 kickoff, but could also be an opportunity to have a 3-4 days meeting together (J2, J3 and physics workshop). A general public outreach event should also be organized as satellite.