

Japan and Europe Network for Neutrino and Intensity Frontier Experimental Research



Consortium Council

1. Status of secondments
2. Final deliverable production plan
3. Status of common fund

Pisa April 4th 2025

JENNIFER2 Consortium

Beneficiary	grant amount from GA	number of person months	PI / Council representative
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. Zalipska
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	F.Giordano
Total	€ 2.451.800,00	€ 533,00	

Status of secondments

Istitution	Days total	months planned	Adjusted	fraction done
INFN	4629	154,3	159	2 95,8%
DESY	2472	82,4	81	101,7%
OEAW-HEPHY	827	27,6	22	3 110,3%
IFJ-PAN	452	15,1	18	83,7%
UKP	55	1,8	9	-3 30,6%
JSI	822	27,4	28	-1 101,5%
METU	152	5,1	6	84,4%
TAU	173	5,8	6	96,1%
LAL-CNRS	1224	40,8	40	1 99,5%
CEA	572	19,1	21	90,8%
IFAE	408	13,6	12	2 97,1%
UNIGE	488	16,3	24	67,8%
NCBJ	691	23,0	25	-2 100,1%
KCL (Qmul)	1098	36,6	66,25	55,2%
UKRI	150	5,0	11,75	42,6%
CAEN	14	0,5	3	-2 46,7%
FBK	0	0,0	1	0,0%
Total	14227	474,2	533,0	0,0 89,0%

We are going to leave unused part of the budget: i.e. will not get full final payment.

Any additional secondment is useful (**provided it complies with the 1 month rule!**)

Will have to motivate large under-performance in single beneficiaries

Missing data

95% Without UK



secondments per WP:

WP	Days total	months planned	months planned	fraction done
WP1	7335	244,5	221	110,6%
WP2	3603	120,1	139	86,4%
WP3	1793	59,8	85	70,3%
WP4	564	18,8	32	58,8%
WP5	932	31,1	56	55,5%
Grand Total	14227	474,2	533,0	89,0%

Motivations for the final report:

- compensation between WP1-WP3 and WP4-WP5.
- reduced beam time for Belle2 and T2K? Delayed HK construction?.....



Deliverables production

WP No	Description	Lead Beneficiary	Nature	Dissemination Level	Est. Del. Date (annex I)	Status
WP4	Training sessions for PhD students at NDIP conference in 2020	JSI	Other	Public	30 Nov 2022	Approved
WP4	Report on the studies, test and production process upgrades to increase the MCP-PM	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
WP7	Progress report submission on the first 12 months activity	INFN	Report	Confidential, onl	30 Apr 2020	Approved
WP7	project mid-term meeting	INFN	Other	Confidential, onl	30 Sep 2022	Approved
WP8	6.4. Copies of import/export authorisations, as required by national/EU legislation mus	INFN	Ethics	Confidential, onl	31 Mar 2021	Approved
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 Universa	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 constuction 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 of uncer	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 PMTs	UNIGE	Report	Public	31 May 2025	Pending
WP3	Report on full simulation with final photosensors, and data analysis test.	KCL	Report	Confidential, onl	31 May 2025	Pending
WP4	Report on the R&D activity on organic photosensors	INFN	Report	Confidential, onl	31 May 2025	Pending
WP5	Organization of a joint Belle II - HyperK workshop on real time techniques and remote	KCL	Other	Public	31 May 2025	Pending
WP5	Reference report on statistical treatment of rare signal searches for future combinatio	CEA	Report	Public	31 May 2024	Pending
WP5	Organization of a joint physics workshop on physics addressed in WP1 and WP2.	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 physics ma	TAU	Other	Public	31 May 2025	Pending
WP6	Setting up an outreach web portal with links to outreach events of JENNIFER2 instituti	INFN	Websites, pat	Public	31 May 2024	Pending
WP6	co-supervision of PhD students seconded for longer periods	CNRS	Other	Public	31 May 2025	Pending
WP3	Decision, supported by e technical note, on the use of the UV system to measure Gad	UKRI	Report	Confidential, onl	30 Nov 2023	Submitted
WP3	Technical note describing the Outer Detector proposal and R&D.	KCL	Report	Public	31 May 2024	Submitted
WP4	Report on tests and R&D of Silicon PMs used as single photon counters in highly irrad	JSI	Report	Public	30 Apr 2024	Submitted
WP5	Realization of a common BELLE II - HyperK cloud computing demonstrator	DESY	Demonstrator	Confidential, onl	31 May 2024	Submitted
WP7	Progress Report on the third year activities	INFN	Report	Confidential, onl	30 Jun 2024	Submitted

Critical deliverables

- WP1: Publication on detector performance → select papers (SVD, Tracking...)
- WP2: Paper on upgraded ND280 → select paper/proceeding ?
- WP5: Reference report on statistical methods → to be completed
- WP6: outreach event portal → exploit other portals
- WP6: neutrino masterclasses → argue other neutrino outreach with similar aim

Common fund

7% of project budget : € 171.626,00 if we use all secondments...will be a bit less

what	best guess	payed until now
Kickoff meeting	€ 26.000,00	€ 26.000,00
mid term review	€ 2.508,00	€ 2.508,00
J2GM Prague	€ 10.250,00	€ 10.250,00
project web 2019	€ 2.300,00	€ 2.300,00
training@NDIP	€ 7.500,00	€ 7.500,00
Support Anomalies wshop 2021	€ 2.000,00	€ 2.000,00
Computing wshop (2)	€ 742,06	€ 742,06
DAQ workshop	€ 413,00	€ 413,00
Support to KEKSSP 2024	€ 13.897,41	€ 13.897,41
Support to KEKSSP 2025	€ 20.000,00	
J2GM in Japan 2024	€ 3.000,00	€ 1.237,64
Final J2GM in Pisa	€ 25.000,00	Travels + organization
Physics workshop (joined with J2GM)	€ 10.000,00	Use for J3 ?
website 2023-25	€ 4.000,00	Are we going to do it?
co-supervised PhD to conference	€ 10.000,00	Still in place?
support to nuPhys in UK	€ 3.000,00	
Total	€ 140.610,47	€ 66.848,11
Available fund	€ 171.626,00	
Free money	€ 31.015,53	