

Application

- Offline discussions to target specifications of the call.
- Plan
 - Nordic Particle Physics Portal (N3P)
 - *A sustained and dynamic Open Science Knowledge center providing access to computational, research & education, training and analysis resources, as well as expertise.*
 - Training courses, Nordic LHC workshops, lab visits, exchanges, joint analyses.
 - Draft is ok but needs rebalancing to account for 50% portal, 50% activities (more from Farid for portal, Dave to slim down text on other activities) .
 - Draft
 - https://docs.google.com/document/d/1P8lyv4qUK8ymT_U8tg50BszYZN6GMTiY2wtdMIXhknY/edit?usp=sharing

The N3P portal will:

- Store all relevant training material used in (to prepare for) Hackathons, Hands-on Camps, online tutorial, lecture material, ...
- Provide enhanced and easy-to-use access to data (collision and simulated), including Open CERN data for research and education
- Provide access to computing infrastructure: storage and CPU to process data and store results - Set up a “Virtual Nordic Tier-3” infrastructure
- Provide access to laboratory and other research infrastructures
- Contain data analysis and statistical tools to analyse data and interpret results.
- Provide a platform for development and adaptation of novel algorithms and software optimisation, including modern data analysis tools and techniques to be used for education, exploiting the publically available data and corresponding simulations released by the ATLAS and CMS experiments at the LHC. Example of tools: Jupyter notebooks, the SciPy suite, Pandas, SciKitLearn, Keras, TensorFlow as well as HEP software such as ROOT, workbooks, ...
- Set up a local Nordic instance of the SWAN service. SWAN, developed at CERN, provides in a single service a suite of tools commonly needed for data analysis, including the standard Python data analysis tools as well as physics software. User interactions are via web-based notebooks, for Python (Jupyter) and C++. User instances are run on server-side virtual machines (VMs) launched with the OpenStack system or others. Only tool a researcher or student needs is a laptop and a web browser and can get started in minutes. Reduce overhead in setting students up to begin data science projects, simplify distribution of datasets , and also allow assessments to be done more straightforwardly. We also envisage that this system might be useful to other groups in the university, both for research and teaching, who do not have access to CERN computing resources.

Nordforsk app

- Budget
- <https://docs.google.com/spreadsheets/d/13T1KNo2ThrUa3A0sy3BPsOMvrujqqw1qVL3tsChydiY/edit?usp=sharing>
- Oslo/Lund one postdoc for development of portal with equivalent x2 in-kind contribution from that institution.
- Other in-kind 10 seniors at 10% of their time (or ~20 seniors with 10%) for contributions.

Courses			4
Teacher costs		10000	
Board and lodging		7500	
No. students		4	
Board and lod		7500	
Total		190000	
Nordic LHC workshop			3
No. invited participants			10
Cost per participant		7500	
Room		20000	
Total		190000	
Mobility			
External guest 3 months			
Cost per month		20000	
no months			2
Total		40000	
Exchange			
Visit - week		8000	
No. visits			10
		80000	
Nordugrid confs			3
No. invited guests			5
Cost per guest		7500	
total cost		112500	
Hackathons			3
No. invited guest			5
Cost per guest		7500	
Total cost		112500	

Technical tutorials			3
No. invited guest			5
Cost per guest		7500	
Total cost		112500	
Dissemination			100000
Future events			2
No. invited guests			5
Cost per guest		7500	
total cost		75000	
Instrumentation			
No. shipping			6
Cost per item		50000	
Total		300000	
			1312500

Total budget in NOK - specified by source of funding	Total budget
Nordic Research Infrastructure Hub costs	
User programmes	
<i>NordForsk funding</i>	300000
<i>Other funding</i>	
<i>Own resources (cash and in-kind)</i>	
Total	300000
Workshops, training, seminars and conferences	
<i>NordForsk funding</i>	680000
<i>Other funding</i>	
<i>Own resources (cash and in-kind)</i>	
Total	680000
Technical tutorials	
<i>NordForsk funding</i>	112500
<i>Other funding</i>	
<i>Own resources (cash and in-kind)</i>	
Total	112500
Data management	
<i>NordForsk funding</i>	
<i>Other funding</i>	
<i>Own resources (cash and in-kind)</i>	
Total	0
RI management	
<i>NordForsk funding</i>	
<i>Other funding</i>	
<i>Own resources (cash and in-kind)</i>	
Total	0
Mobility, including guest researchers	
<i>NordForsk funding</i>	120000
<i>Other funding</i>	
<i>Own resources (cash and in-kind)</i>	
Total	120000

Communication and dissemination activities	
<i>NordForsk funding</i>	100000
<i>Other funding</i>	
<i>Own resources (cash and in-kind)</i>	
Total	100000
Coordination of the hub (max 20% of total costs)	
<i>NordForsk funding</i>	
<i>Other funding</i>	
<i>Own resources (cash and in-kind)</i>	280800
Total	280800
Other expenses (please specify costs in Justification for resources)	
<i>NordForsk funding</i>	1500000
<i>Other funding</i>	
<i>Own resources (cash and in-kind)</i>	4800000
Total	6300000
Indirect costs (administration, infrastructure, etc.)	
<i>NordForsk funding</i>	
<i>Other funding</i>	
<i>Own resources (cash and in-kind)</i>	540000
Total	540000
Total budget	8433300
Total requested NordForsk funding	2812500
Total other funding	0
Total own resources (cash and in-kind)	5620800

Required today

- Seniors from each institute who can take part in network
- Separate
- 5% of salary costs
- OH cost

Required this week

Letters of Commitment

The consortium partners are obligated to contribute twice the amount sought from NordForsk.

The contribution must be guaranteed through a letter of commitment signed by a high-level administrator with the authority to assume obligations on behalf of the university, university of applied sciences, university college or research institute.

Upload in pdf format, max 1 page per letter. Multiple files allowed *

Upload file

Our deadline – Friday.

Real deadline 13:00 22nd October