

Non-Minimal Higgs
Sixth H2020-MSCA-RISE-2014 Meeting

Osaka, 20 February 2019
(c/o HPNP 2019)

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Updates since the meeting in Lisbon

- Now at M45 of grant, 3M left (end date is 31 May 2019)
- For current secondment plan: <https://sites.google.com/view/risehiggs/secondments>
- Occurred secondments since Lisbon:
UAE to Uppsala (Sep-Oct 2018, Dr. R. Benbrik, 30 days)

Action: Venus to update above page (liaise with individual for final dates) & all to enter researcher declarations on SyGMa (including pending ones)

- Updates required on the following secondments (planned to date):
Uppsala to Carleton (Autumn 2018, Dr. A. Ekstedt, 30 days)
Uppsala to UCSC (Spring 2018, PhD Student, 30 days)
Uppsala to UCSC (Spring 2018, Postdoc, 30 days)
Uppsala to UAE (Autumn 2018, Dr. W. Klemm, 30 days)
Uppsala to Osaka (Autumn 2018, Dr. J. Lofgren, 30 days)
Uppsala to Osaka (Feb 2019, Dr. R. Enberg, 15 days)
Helsinki to Carleton (Oct 2018, Dr. V. Keus, 30 days)
Helsinki to Osaka (Feb 2019, Mr. N. Koivunen, 30 days)
ZCST to Helsinki (Jun 2018, Prof. S. Khalil, 30 days)
ISEL to Osaka (Feb 2019, Prof. R. Santos, 8 days)
ISEL to Osaka (Feb 2019, Prof. P. Ferreira, 15 days)
ISEL to UCSC (Oct 2018, Mr. D. Azevedo, 30 days)
ZCST to ISEL (Sep 2018, Prof. S. Khalil, 30 days)
ZCST to ISEL (Oct 2018, Staff, 30 days) TBC

Action: node coordinators to send Venus & myself updates on these (by the end of the month, please!) & all to enter researcher declarations on SyGMa

- Schedule for future secondments (confirmed and not, with changes):

Soton to Osaka (TBC, Prof. S. Moretti, 15 days)

Soton to UAE (Apr 2019, Mr. H. Day-Hall, 30 days)

Soton to Carleton (Apr-May 2019, Mr. M. Song, 60 days)

[changed to Soton to Carleton (Apr 2019, Dr. D. Rojas, 30 days) & Soton to Carleton (May 2019, Mr. M. Song, 30 days)]

Soton to UCSC (TBC, Prof. S. Moretti, 30 days)

Soton to ZCST (TBC, Dr. D. Rojas, 30 days)

Uppsala to UAE (Spring 2019, Dr. R. Enberg, 30 days)

Uppsala to UCSC (Spring 2019, Postdoc, 30 days)

UAE to Uppsala (TBC, Dr. A. Arhrib, 30 days)

ZCST to Uppsala (Spring 2019, Prof. S. Khalil, 30 days)

UAE to Helsinki (Apr-May 2019, Dr. A. Arhrib, 60 days) TBC

UAE to UPSud (Mar 2019 & Jul 2019, Dr. M. Chabab , 15+15 days)

ISEL to Carleton (Mar-Apr 2019, Mr. D. Azevedo, 60 days)

ISEL to UCSC (Jul 2019, Prof. P. Ferreira, 15 days)

ISEL to UCSC (Feb 2019, Prof. R. Santos, 30 days) TBC

ISEL to UCSC (Jul 2019, Staff, 30 days) TBC

ISEL to UAE (Mar 2019, Prof. R. Santos, 30 days)

Carleton to ISEL (Mar 2019, Prof. H. Logan, 22 days)

Action: node coordinators to send Venus & me updates on these (by the end of the month, please!)

- Secondments in doubts:

Helsinki to UAE (Nov-Dec 2018, Dr. V. Keus, 60 days)

Action: Katri & Venus to consider alternative secondees(s)

- Secondments not happening:

UCSC to Soton (Feb 2019, Prof. H.E. Haber, 30 days)

Osaka to Uppsala (Autumn 2018, Prof. S. Kanemura, 30 days)

UCSC to ISEL (Sep 2018, Prof. H. Haber, 30 days)

No action

Old stuff

- Secondees to fill out the Researcher Declarations on the PP (ASAP please)
Action: node coordinators to chase late individuals (formally, deadline is within 20 days from start of secondment!)
– can also be done by node coordinators & finance staff
- Change of node finalised (*Osaka replaces Toyama, following Shinya's move*):
Amendment to Partnership Agreement completed, all travel to Osaka (HPNP2019, RISE collaboration meeting & secondments) qualifies (now consulting my finance staff for budget available) as well as from Osaka
- Continued commitment to maintaining webpage
<https://sites.google.com/view/risehiggs/home>
Please send pubs & especially entries for Public Engagement/Outreach to Venus
- Recall using acknowledgements as
The work of X, Y and Z was partially supported by the H2020-MSCA-RISE-2014 grant No. 645722 (NonMinimalHiggs)
RISE pubs have been crucial to get us through the M24 review despite the low secondment rate and will be key to obtain grant extension and/or reassignments (see below) at M48

New stuff

- Need of **deploying as many as possible of the remaining secondments!**
Action: node coordinators to assess whether some will remain unfilled by end of May 2019 and inform Stefano ASAP!
- It has become clear **that not all secondments will take place by end of May 2019!**
Action: Stefano has already asked PO to prolong grant and/or reassign secondments (no answer yet)

Networking activities/RISE collaboration meetings

Occurred

2015 Warsaw (pegged to Scalars 2015, December)

2016 Uppsala (pegged to Charged 2016, September)

2017 Toyama (pegged to HPNP 2017, March 2017)

2017 Warsaw (pegged to Scalars 2017, November/December 2017)

2018 Lisbon (pegged to MHM 2018, September 2018)

2019 Osaka (pegged to HPNP 2019, February 2019) – [Please approach me if funding required](#)

Confirmed

2019 Helsinki (standalone wrap-up, May 2019)

Title: 7th RICE Collaboration Workshop: NonMinimalHiggs (includes external speakers)

Dates: 27-29 May 2019

Location: Physicum

Indico page: <https://indico.cern.ch/event/780528/> (in progress)

LOC: Venus Keus (Chair), Katri Huitu (Co-chair), Kimmo Tuominen & Kari Rummukainen

Overlaps with PAPU (PGR) course on "Theory and Phenomenology Beyond the Standard Model" (6-31 May 2019): three guest lectures by RISE speakers (Haber, Profumo & Sher)

Funding (RISE & sponsors): Venus & I shall update you on this (please monitor webpage)

Actions

All: please circulate poster sent by Venus, register & submit abstracts.

NonMinimalHiggs literature

- From the H2020-MSCA-RISE-2014 (NonMinimalHiggs) application:

Finally, there is a plan to gather the research output of the collaboration in a book suitable for a general audience at the end of project.

It is a deliverable!

Deliverables

As discussed, we plan to deliver a new version of each tool just before the starting of each workshop. At the end of each workshop a report will be published highlighting the most important achievements of each year. At the end of 2018 a book for a general audience will be published.

Note: *workshop reports* dealt with by SM at reporting stage as part of the general narrative.

Standing action: Rui to take the lead and start thinking of *book* content, level, format, contributors, etc. – **Rui to report (and chair discussion?) at the end of meeting**

- AOB

Backup Slides

Budgets

Each partner receives €2,000 for each incoming and outgoing secondment month.
Partners are the EU nodes only.

Each partner received approx. 90% of the RTN budget of €1,800 (ie, €1,620) for each incoming and outgoing secondment month. The remaining approx. 10% is retained by the coordinator (Soton) to fund networking for members of unfunded nodes (UAE, ZCST, Carleton, UC and UT).

Each partner receives 50% of the €700 management and overheads budget for every incoming and outgoing secondment month. The remaining 50% is retained by the coordinator (Soton) to fund central project management (and networking).

Those on incoming secondments from Carleton, UC and UT (two each planned) will receive €2,000 for each of these secondment months. These are expected to be funded by reducing all RTN budgets by approx. 10% (see above).

Networking budget worked out at approx. €35,510 assuming 67RM secondments take place.

Any unspent balance by any of the nodes will be redistributed towards the end of the project to other nodes which can guarantee secondments.

Any unspent balance overall will be returned to the EU. **Needless to say, this must be avoided.**

How to enable networking activities

Low secondment rate implies we only have about €4k for the RTN & Management central budgets till new secondments take place. However, individual nodes that have deployed secondments may have additional funding for networking purposes.

Recall how nodes generate money from secondments for own RTN activities: try staying within €2000 as in such case €1620 can be released for own networking, any excess on the former overflowing into the latter. Further €350 can be used locally, depending on institutional arrangements regarding charging O/Hs for grant management

Reminder of complete deliverable list

NonMinimalHiggs

Table B5. Deliverables List

Deliverable No	Deliverable Name	Work Package No	Lead Participant Short Name	Nature	Dissemination Level ²	Delivery Month
1	NonMinimalHiggs Report 1 (R1)	3	Soton	Report	PU	9
2	HEPMDB New Version 1 (NV1)	2	Soton	Code	PU	19
3	NMSSMTools NV1	2	UPSud	Code	PU	19
4	2HDMC NV1	2	UPPSALA UNIVERSITET	Code	PU	19
5	ScannerS NV1	2	ISEL	Code	PU	19
6	NonMinimalHiggs R2	3	Soton	Report	PU	21
7	HEPMDB NV2	2	Soton	Code	PU	31
8	NMSSMTools NV2	2	UPSud	Code	PU	31

9	2HDMC NV2	2	UPPSALA UNIVERSITET	Code	PU	31
10	ScannerS NV2	2	ISEL	Code	PU	31
11	NonMinimalHiggs R3	3	Soton	Report	PU	33
12	HEPMDB NV3	2	Soton	Code	PU	42
13	NMSSMTools NV3	2	UPSud	Code	PU	42
14	2HDMC NV3	2	UPPSALA UNIVERSITET	Code	PU	42
15	ScannerS NV3	2	ISEL	Code	PU	42
16	NonMinimalHiggs R4	3	Soton	Report	PU	45
17	Book	3	Soton	Book	PU	48

- Non-report/book deliverables were conceived as by-products of our routine research work to offset liability (ie, to minimise disruption to and maximise recycling of it)
- Hence, I am confident that most (if not all) can be ticked off in the M48 report, albeit the timeline will probably be totally different (which is acceptable)
- However, need to collate material in responsive mode to each deliverable

Action: lead participants against each deliverable to prepare entries for M48 report