

LECS: **LISA Early Career Scientist** **working Group**

Valeriya Korol and Thomas Kupfer

On behalf of current representatives:

Martina Muratore
Jean-Baptiste Bayle
Nicola Tamanini



Scope of the group



Discuss needs and values shared by younger generations



Support career development, job and grant opportunities



Foster collaboration and facilitate exchange of info. (welcome new members, cross-disciplinary dev...)



Promote participation of young scientists in leadership, outreach, diversity, soft skill development...



Lay the foundations for a functional, enjoyable and inclusive working environment

LECS organisation

*The group is **open to everyone** who considers themselves “early career”.
It is best suited for PhD students, PostDocs, people at the beginning of their permanent position (junior faculty). Currently we have **161 members!***

LISA Early Career Scientist Group

Home New page Page history Edit

Last edited by **Natalia Korsakova** 5 days ago

Welcome to the Early Career Scientist Group (LECS)

The Early Career Scientist Group is an entity inside the LISA Consortium, which intends to gather consortium members at an early stage of their careers (PhD students, postdocs, assistant professors, etc). Physicists and engineers are very welcome to express their interest, especially new-comers.

The group must provide for a safe environment for discussion and exchange, as well as a strong voice to represent younger generations in the consortium. The main goals of the group are to

- Discuss needs and values shared by younger generations
- Support career development, share job and grant opportunities
- Foster collaboration, and facilitate the exchange of information: welcome and accompany new members, allow for cross-disciplinary exchanges
- Promote the participation of young members in leadership positions, outreach activities, diversity-related groups, and development of soft/transferrable skills
- And more generally, lay the foundations for a functional, enjoyable, and inclusive work environment within LISA

As an official consortium group, a list of members is maintained as well as a mailing-list. We hold regular telecon, announced by emails and messages in the dedicated Slack channels. Our Slack channel #earlycareers is used for spontaneous discussions and announcements. Ask for access to the consortium Slack is you are a full member, using the link given below.

Resources

- [Atrium directory](#), for LECS-related documents
- [#earlycareers channel](#) in the consortium Slack workspace

Brainstorming

- [Activities of the group](#)
- [LISA data policy](#)
- [Voyage 2050 and white papers](#)
- [Job opportunities](#)
- [Professional skills training course @ LISA Symposium](#)

Clone repository

Brainstorming

- Consortium reorganisation
- Data Policy
- Elections of the representatives
- Group Activities
- Job opportunities
- Skill Training Course
- Voyage 2050

Telecons

- Monday 6th May 2019
- Tuesday 10th Sept 2019
- Tuesday 16th July 2019
- Tuesday 18th June 2019
- Tuesday 21th May 2019
- Tuesday 24th Sept 2019
- Tuesday 25th June 2019
- Tuesday 4th June 2019

More Pages



Wiki page



Mailing-list
(lecs@lisamission.org)



Regular telecons
(every 2 weeks)



Slack

Group activities

Past

- Organise input to the Consortium from the early career scientists (e.g. data policy, consortium re-organisation)
- Involve early career scientists in Consortium activities and self-organised LECS initiatives (e.g. Voyage 2050)
- Sharing job opportunities and support for fellowship applications
- Establish a well-defined set of rules for the LECS representative elections

Present

- Getting independent fundings (e.g. APS Innovation Fund & COST Action)
- Organisation of cross-disciplinary talks
- Setting an independent social media channels to promote LISA early careers' work
- Promoting LISA focused PhD theses
- Organisation of soft-skills training sections (the first one on the weekend before the Symposium)

Data policy

LISA data release policy proposition from LISA early careers

This document provides general guidelines on the LISA data policy elaborated by the LISA early career scientists (LECS) working group.

LISA will be a space-based observatory financed through public funding. Our objectives are *to maximise the scientific return* of the mission, *to share the results* with the public, and *to develop new generations of scientists* with the skills to enrich society. The mission of the data policy document (DPD) must align with these goals, and must provide the opportunity to exploit the full potential of the data.

LISA is a new type of observatory. Many discoveries are anticipated to be made, as well as there being the potential to reveal unexpected signals. To fully explore the potential of the LISA data, it is crucial that the data are open and available to as many people as possible. Lowering the barrier for accessibility and analysis will ensure that the broadest possible community gets to use the data. It will therefore be

Highlights from the LECS data policy input documents:

- ECS need to be protected in their efforts within the consortium (publications, work diversity,)
- Low-latency (~year) data releases similar to Gaia
- Consider ECS general schedule for data releases

Sharing job opportunities

1. **Job offers**

We plan to collect them on the official LISA web-page.

Advertise them along with LECS announcements on the mailing list and slack.

2. **Fellowships**

- We keep the list of the yearly fellowships.
- Organise dedicated discussions approximately 4 times a year for the closest fellowships deadlines.
- Share advice from people who have experience with applying to these fellowships.

3. **Focused telecons and application trainings** regularly over the year

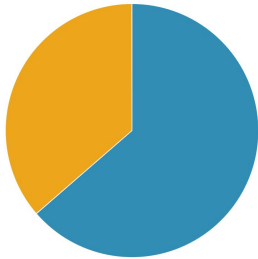
Sharing job opportunities

	A	B	C	D	E	F	
1	Name of the Fellowship	Country	Application deadline	Eligibility Requirements	Duration	Contact	Link
2	Rubicon Fellowship	anywhere	April 1, September 1, December 1	obtained PhD less than 1 yr in the Netherlands	2 years	Valeriya Korol	https://www.nwo.nl/en/fundi
3	Marie Curie Standard	EU	~ September 11th	Applicants cannot have worked in the country of the hosting institute for	2 years	Nicola Tamanini	https://ec.europa.eu/research
4	ERC Starting Grant	EU	October	>2 and <7 yr from PhD	5 yr		https://erc.europa.eu/fundin
5	Marie Curie Global	EU+	~ September 11th		3 years	Nicola Tamanini	https://ec.europa.eu/research
6	CNES Postdoc Fellowship	France	April 1st		2 years	Natalia Korsakova, Henri Inchauspé	https://cnes.fr/en/web/CNES
7	CNRS Permanent Positions	France	January		Permanent		https://www.dgdr.cnrs.fr/drh
8	Humboldt Fellowship	Germany	Anytime	<= 4 years from PhD, mainly for non-Germans, very strict rules for Germ	0.5 to 2 years		https://www.humboldt-found
9	Georg Forster Fellowship	Germany	Anytime	For citizens from developing countries	0.5 to 2 years		https://www.humboldt-found
10	Montalcini Fellowship	Italy	Different each year	For researcher who worked outside Italy in the 3 years before the deadl	3 yr + permanent	Nicola Tamanini	https://bandomontalcini.cine
11	Veni	Netherlands	early January	who obtained PhD within the last 3 years; you can apply twice	3 years	Valeriya Korol	https://www.nwo.nl/en/fundi
12	Vidi	Netherlands	early October	who obtained PhD within the last 8 years			https://www.nwo.nl/en/fundi
13	1851 Research Fellowship	UK	6th February	<= 3 yr from PhD	3 years		https://www.royalcommissio
14	Newton Fellowship	UK	March 27th	Not for UK citizens	2 years	Natalia Korsakova	https://royalsociety.org/gran
15	ERF - Ernest Rutherford Fellowship	UK	October - Pre-selections at UK institutes around July/August		5 yr	Thomas Kupfer	https://stfc.ukri.org/funding/f
16	URF - University Research Fellowship	UK	September - Pre-selections at UK institutes in June/July	<= 7 yr from PhD	5+3 yr	Nicola Tamanini, Thomas Kupfer	https://royalsociety.org/gran
17	NPP	USA	November 1st, March 1st		1 to 3 years		https://npp.usra.edu/
18	NASA Hubble Fellowship	USA	November 4th	<= 3 yr from PhD	3 yr		http://www.stsci.edu/stsci-re
19	JSPS programs (Standard, Short-Term, Pathway to F	Japan	Two recruitment rounds: September and May	<= 6 years from PhD	1 to 2 years		https://www.jsps.go.jp/eng/le
20	JAXA International Top Young Fellowship	Japan	~November (seem not to be recruiting every year)	<= 8 years from PhD	3 (+2) years		http://www.isas.jaxa.jp/en/re
21	Beatriu de Pinós program	Catalonia	early March	2 yr <= PhD <= 9-10 yr (PhD obtained between stated dates in call)	3 years	Henri Inchauspé	http://aqaur.gencat.cat/en/b
22	Emmy Noether research group	Germany	Anytime	<= 4 years from PhD (used to be 2-4 yrs; still same rule)?	6 years	Thomas Kupfer	https://www.dfg.de/en/resea
23	Sofja Kovalevskaja Award	Germany	not sure (this year was July 31st)	<= 6 years from PhD, mainly for non-Germans, very strict rules for Germ	5 years		https://www.humboldt-found
24	MPA fellowship (Garching)	Germany	Dec 1	<= 6 yrs from PhD	3 yrs; occasionally 5 yrs		https://jobreqister.aas.org/a
25	DECRA (Discovery Early Career Researcher Award)	Australia	Probably ~March 2020 (?) with internal deadline ~Feb 2020	<= 5 yrs from PhD, accounting for breaks/leave.	3 yrs	Ashley Ruiters (can provide a bit of guidance)	https://www.arc.gov.au/gran
26							
27							

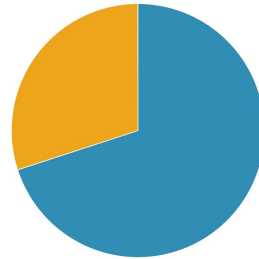
Contribution to Voyage 2050 White Papers

- LSG/LECS agreed on shared junior/senior WP coordination (*3 weeks to go*)
- **7 out of 11 WP coordinators** chosen from LECS members (*2 weeks to go*)
- 4 WPs written and submitted (*5 August - deadline*)

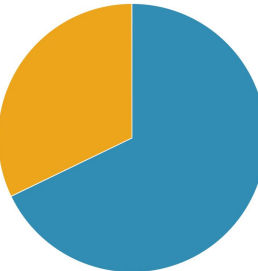
WP1:
8 out of 22
people
from
LECS
group



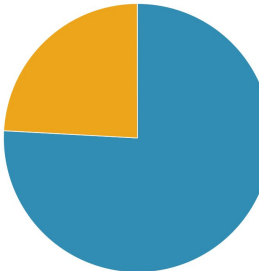
WP2:
12 out of 30
people
from
LECS
group



WP3:
9 out of 28
people
from
LECS
group



WP4:
7 out of 29
people
from
LECS
group



**Decisive LECS
contribution to
Voyage 2050**

**Shared junior/senior coordination to
be considered further?**

Consortium reorganisation

Input from LECS to the Consortium reorganisation.

Scope of the document:

This document covers some of the points that have to be addressed in the structure of Consortium:

1. Formulate deliverables of the Consortium to ESA based on science objectives.
2. Define how to differentiate between the work which will be necessary to deliver science objectives from science projects.
3. Think of how to improve the communication and propagation of the information within the Consortium.

First we define the requirements that have to be taken into account in the organisation of the consortium and then suggest the structure which will address these issues.

Requirements:

1. There has to be a clearly defined set of deliverables.
The top level deliverable is based on science objectives of the mission.
2. Deliverable of the science objectives have to be linked to the deliverables which have to facilitate them, such as:
 - Data analysis deliverables
 - Waveform modelling deliverables
 - etc.
3. There has to be a clear structure of communication, which has to be done in the form of
 - Updates (reports at the meetings/telecons, newsletters or short email notifications),
 - sharing the documents,
 - the groups doing the work which is dependent on each other have to be aware of that and know how they are connected to the other groups and which inputs they have to expect and outputs to provide to the other groups.
4. There has to be a clear timeline and planning of the intermediate goals, for example, each half a year/year.

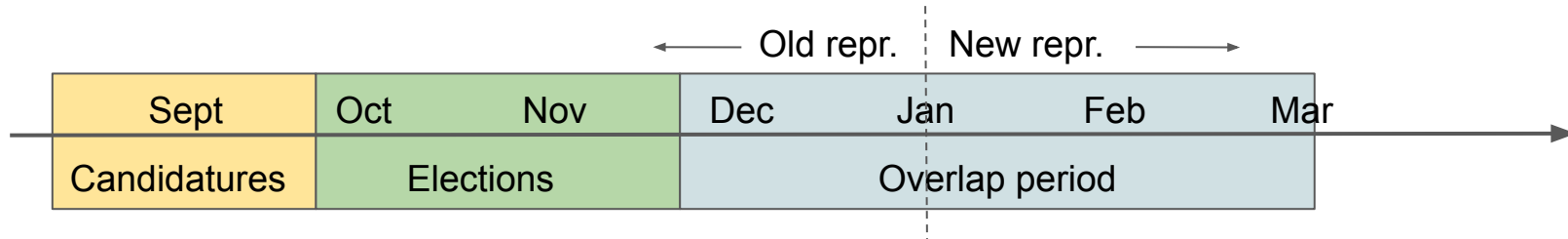
Highlights from the LECS document:

- Define the structure of the consortium in a way to efficiently fulfill the science objectives of the mission (e.g. LSG instead of being focused on the science interpretation has to formulate science goals)
- Data products required to fulfil science goals have to become a separate work package
- There should be “definition” documents (documents specifying products/deliverables...) -- products of each WG -- that are visible and accessible to everyone
- The group has to come up with the plan and intermediate goals (each half year)
- Identify a self-evaluation system
- Group projects can be conducted in a “mediated competition” way (probably suited for LSG)
- Establish a communication team

See also: https://gitlab.in2p3.fr/LSG/lsg_reorg/issues

Elections

- LECS representatives chosen through online democratic elections
- Well-defined election rules:
 - Each LECS member can vote
 - One year mandate (max 2 mandates per person)
 - Diversity rules (gender, career, ...)
- Elections held during the Fall



LECS weekend 18-19 July 2020

Glasgow, UK

Saturday outing to the Aaran island (full day)

Sunday

Preliminary time table:

10:00 - 12:00 first lesson (1 h + 30 min general discussion + break)

12:00 - 13:30 second lesson (1 h + 30 min general discussion)

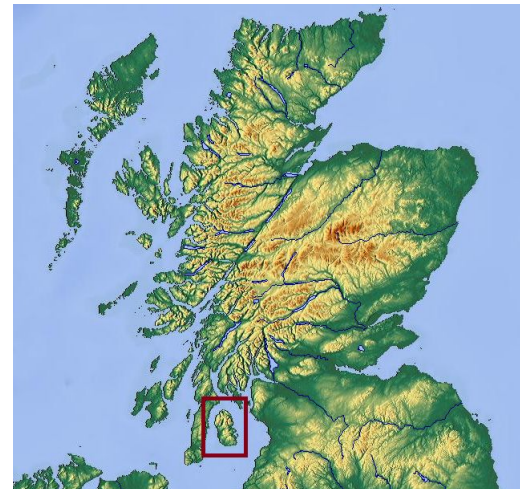
13:30 - 14:30 lunch

14:30 - 16:00 third lesson (1 h + 30 min general discussion + break)

16:00 - 17:30 fourth lesson (1 h + 30 min general discussion)

Volunteers for teaching

- **Shane Larson** - scientific writing including CV, research statements, proposals
- **Davide Gerosa & Co** - general discussion about proposals and fellowship applications
- **Martin Hendry** - how to get involved in outreach
- **Adam Burnell, David Weir & Arianna Renzini** - mental health and wellbeing of early career scientists



Please, encourage your students to participate!

Do you consider yourself an early
career scientist?

Write to

lecs-chairs@lisamission.org