

LIFE Workshop I

DLR Berlin Adlershof

January 23-24, 2019

www.life-space-mission.com



Agenda +

Meeting preparations

(as of December 11, 2018)



Agenda

Session objectives

Day 1: Wednesday, January 23, 2019		
Time	What	Lead
< 11:00	Arrival	
11:00 - 11:30	Welcome + Logistics + Who-is-who	SQ, JC, All
11:30 - 13:00	Session 1	SQ, DF, AL (tbc)
13:00 - 14:00	Lunch	
14:00 - 15:30	Session 2	SQ, All
15:30 - 16:00	Coffee break	
16:00 - 17:30	Session 2 (continued)	SQ, All
~19.00 (tbc)	Joint dinner	

Session 1 - Kick-off the project:

- Inform everybody about the current status on the science and on the technology side
- Provide overall context for LIFE mission incl. "Lessons learned" from Darwin / TPF-I

Session 2 - Define the primary science case:

- What should LIFE primarily do? Discuss and seek agreement on Science Objectives and Mission Statement
- Collect auxiliary science cases and define their importance relative to primary objectives

Names:

SQ = Sascha Quanz

DF = Denis Defrère

JC = Juan Cabrera

AL = Alain Léger



Agenda

Session objectives

Day 2: Thursday, January 24, 2019		
Time	What	Lead
9:00 - 10:30	Session 3	SQ, DD, All
10:30 - 11:00	Coffee break	
11:00 - 13:00	Session 3 (continued)	SQ, DD, All
13:00 - 14:00	Lunch	
14:00 - 15:30	Session 4	SQ, All
15:30 - 16:00	Wrap-up	All

Session 3 - Prioritize work and create synergies:

- Discuss roadmap for LIFE - including potential links to other projects / missions:
 - Near-term: what activities are currently going on? What can we / individuals / groups do starting today? Where are opportunities to offer, for instance, new PhD projects?
 - Long-term: what do we need to prepare for / work on? What are potential milestones and opportunities for, e.g., funding sources, industrial partners?
- Set up of working groups (WG)
 - What are the right groups?
 - WG coordinators and (potential) team members
 - Map activities to working groups and

Session 4 - Define further interactions and communications:

- Internal (i.e., within the team), e.g. slack for each working group, regular telecons / videocons, next meeting(s) (e.g., at ETH? Lorentz Center Workshop?)
- External, e.g., meetings / conferences to present LIFE (coordinate), additional info on LIFE webpage (e.g., 1-pager pdf, videos (interviews, mission, science), white paper that expands upon the 2018 SPIE paper, when to get more people involved (now? later?) and how, e.g., email via exoplanet mailing-list, posting in exoplanet newsletter

Names: SQ = Sascha Quanz; DD = Denis Defrère



Meeting preparations

Session 1 - Kick-off the project:

- To get an overview of LIFE and space-based interferometry for exoplanets, please have a look at the 2 recently published papers (Quanz et al. 2018, SPIE; Defrère et al. 2018, Experimental Astronomy)

Session 2 - Define the primary science case:

- Please come up with a short and crisp Mission Statement for LIFE and (a list of) well defined Science Objectives for the project. Please send your input (plain email text is fine) to sascha.quanz@phys.ethz.ch **no later than 1 week before the workshop** so that we can compile an overview to guide our discussion.

Session 3 - Prioritize work and create synergies:

- Please prepare a short (1-3 slides) summary of LIFE-related / relevant activities that you are / your group is working. Please send the slides (in .pdf format) to sascha.quanz@phys.ethz.ch **no later than Monday, January 21**, so that we can compile a single document for our discussion.
- Suggestions how to organize the project (e.g., which working groups) are very welcome

Session 4 - Define further interactions and communications:

- Suggestions related to future internal / external communication are very welcome