# General Information Annual Plenary Meeting 2018

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## Agenda

- 1 Activity Reports
- 2 End of SPPEXA / Cost-neutral Prolongation
- 3 Finances
- 4 Workshops
- 5 PR / Outreach
- 6 Doctoral Retreat



## Activity Reports: Activity per Project

• Largest runs: 7 out of 17 projects can scale up to complete current largest supercomputers

	Avg 2017	Avg 2016	Avg 2015
Guest	1.81	1.69	2.27
Workshops	2.50	2.53	2.91
Diversity	0.75	0.85	0.36
Student Projects	4.00	4.00	3.36
Educational Activities	5.50	5.46	4.00
Publications	8.50	9.54	8.72
Talks / Posters	17.13	17.92	15.36



### End of SPPEXA / Cost-neutral Prolongation

#### Prolongation, how does it work?

- Each PI has to apply for a cost-neutral prolongation at DFG individually (not per SPPEXA project, not SPPEXA as whole)
- Still, a coordination inside each project is preferable (similar argumentation in prolongation)
- Official start of each PI's subproject is the first expense you had (not the start of SPPEXA)
- As central organization, we also need to know how long all projects approximately run

#### **Results of our survey:**

- 9 out of 16 projects run at least till 30.09.2019
- All projects finish in 2019
- Central project: project manager runs till end of 2019, secretary till spring 2020

#### Further conferences / meetings:

- Option 1 (original plan): SPPEXA Symposium March 2019, deadline articles end of 2018
- Option 2 (our suggestion): APM March 2019, Symposium end of 2019 or early 2020, deadline articles fall 2019

# Finance Details 1: Budget Overview

Fund	Phase 2	March 2018
Gender Central / Childcare	24k	13.1k
Gender Projects	10k	10k
Annual Plenary Meeting	93k	81.1k
Doctoral Retreat	58.8k	33.1k
Research Stay	112.5k	99.1k
Teaching	6k	6k
Guests	120k	46.3k
PR	16.5k	0.1k
Workshops	223.2k	103.7k



#### Finance Details 2: Return of Funds

#### **Problem in Phase 1**:

- Projects did not use all central funds we transferred to them (guest funds, workshop funds, ...)
- The remaining funds we only got back at the end of phase 1 (when our administration talked to their administration)
- By then, the fonds were already closed → We had to transfer back everything to DFG
- Transfer to other universities: 253k €, return flow: 67k € (26%)

#### **Changes in Phase 2**:

- We directly "close" each transfer contract after the workshop, the guest year, ...
- If you have a good reason you can keep the funds (e.g. there is guest next year, we have a similar workshop coming up → "Umwidmung", ...)
- Please always inform us
- Transfer back needs the correct label, e.g. guests or workshop → We give you a BKZ



## Finance Details 3: Guest Funding

- 2343.75 € p.a. per project (excl. 20% "Projektpauschale")
- 2016: 2500 € per project
- 2017: 2100 € per project
- 2018: adaptive funding on request (mail to Benjamin with cost estimate, FCFS)



## Workshops 1: Past Activities 2017/18

Title	Project	Date
GAMM Applied Numerical Linear Algebra 2017	EXASTEEL	09/2017
Parallel Programming Models Productivity and Applications Part 2	MYX, ESSEX, DASH	10/2017
6th Workshop on Parallel-in-Time Integration	ExaStencils, EXASOLVER	10/2017
Solving Complex Partial Differential Equations on Massively Parallel Systems	ExaFSA, ExaMAG, ExaStencils	03/2018
Parallel Programming Models Productivity and Applications Part 3	MYX, ESSEX, DASH	03/2018



## Workshops 2: Upcoming Activities

Title	Project	Date
Multi-Physics Simulations with the Coupling Library preCICE	ExaFSA	06/2018
Efficient high-order discretizations for computational fluid dynamics	ExaDG	07/2018
5th Workshop on Sparse Grids and Applications	EXAHD	07/2018
Euro-EDUPAR	ExtraPeak	08/2018
Computational Science At Scale (CoSaS)	TERRA-NEO, ESSEX, ExaStencils, EXASTEEL	09/2018



## Workshops 3: Announcement of Call 18/1

- Templates for proposals: www.sppexa.de → internal → templates
- Deadline: May 13, 2018
- Submission via mail to Benjamin



## Workshops 4: SPPEXA @ ISC

- SPPEXA section @ Project Posters
  - Present ongoing and emerging work
  - Deadline: March 23, internally for SPPEXA
  - Contact: Julian Kunkel

### PR 1: inSiDE

- Present your project (2-4 pages)
- Visibility all over Germany
- Every half year one project
- Submission/planing through Benjamin
- 2013: GROMEX, CATWALK
- 2014: ExaFSA, ExaStencils
- 2015: FFMK, ESSEX
- 2016: Terra-Neo, EXASTEEL
- 2017: EXAHD, DASH
- 2018: MYX, ?



#### PR 2: Science Node

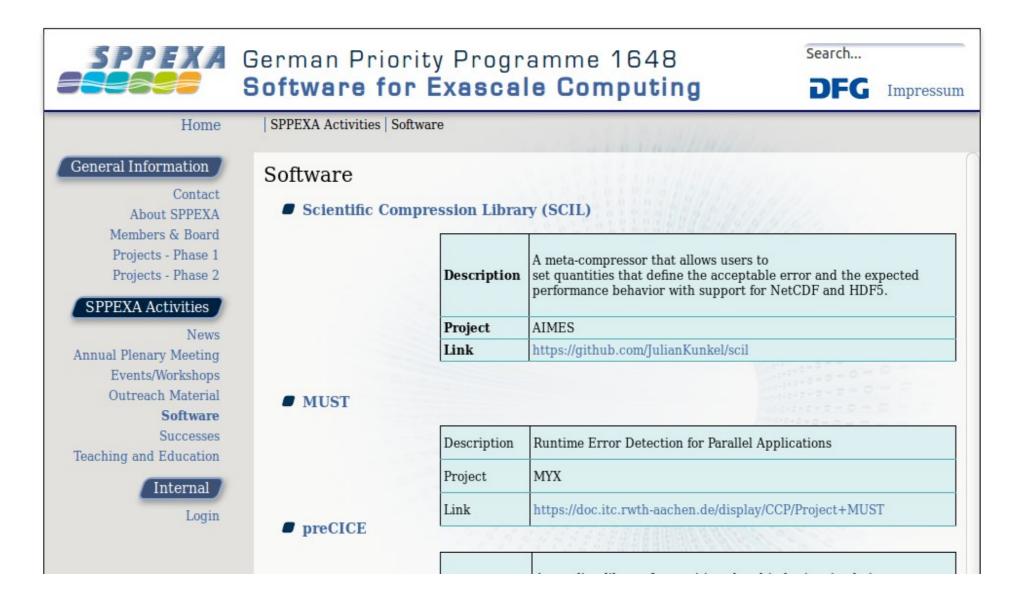
- Science platform, short easily understandable web articles, featured on social media
- All scientific fields, but historical focus on HPC (successor of *International Science Grid This Week*)
- Good visibility in the US
- Sponsorship of SPPEXA, mid 2017 to mid 2019
- In total 8 articles: We already had a general one on SPPEXA and one on ExaFSA → 6 remaining

#### How does it work?

- Send bulk information per mail (links, possibly existing InSiDE article, ...)
- Video conference interview
- They write the article ... final proofreading
- Optional: interview at SC18 (video)
- → Minimal work for you, high visibility
- → Approach Benjamin for planning



### PR 3: Software Links



Currently: SCIL, MUST, preCICE, PHIST, GHOST, CRAFT

→ Please send more data



### Doctoral Retreat 2018

- Organized by Matthias Bolten (ExaStencils) and Bruno Lang (ESSEX-II)
- Sept 17-21 in Wuppertal
- Numerical linear algebra and performance optimization
- Highlights: Lectures on hot topics in numerical linear algebra and performance optimization course by Georg Hager
- Special topic: Experiences of former PhD students in industry
- Registration will follow (please save the date)
- Non-SPPEXA (but somehow associated) doctoral candidates are also welcome
- PostDocs are also welcome
- There is funding to invite doctoral candidates from F and J

