

Happy Birthday - it's been 10 years 👏 !

- We did a great deal at the strategic level, which paid off
- We did practical things as well it's rewarding work



HSF: Summary and next steps

Eduardo Rodrigues, for the HSF Steering Group

WLCG-HSF Workshop 2024, 13-17 May, DESY, Hamburg

From Paul's talk

HSF reorganisation proposal

HSF Coordination Team

HSF CCT

HSF Working Group and Activity convenors

Chair: CT member rotation*

Function: Coordination of HSF working groups and activities

HSF Core Coordination Team

Chair: elected by CCT

Function: Decision-making body responsible for HSF strategy



HSF Advisory Group

HSF-engaged community representatives

HSF CCT Chair + Secretary

Chair: elected by AG

Function: Provide advisory input to HSF strategy from engaged communities

*There is no standing chair for the HSF Coordination Team meetings which are focused on running the day to day work of the HSF

A selection of comments (paraphrased)

- "Core coordination team" and "coordination team" is a bit confusing, why don't you call the decision-making group the "HSF Steering Group"?
 - Good idea!
- Should the Steering Group (!) members have term limits?
 - o Good idea! Long-term stability is a priority, but we also want new ideas. We'll discuss this.

If you would like to become a member of the Steering Group, please get in touch!

 Judging from the feedback, introducing an Advisory Group seemed to be accepted to be a good, possibly overdue idea, we should set this up quickly!

HSF reorganisation proposal update

HSF Coordination Team

HSF SG

HSF Working Group and Activity convenors

Chair: CT member rotation*

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Working Groups and Activities - current situation

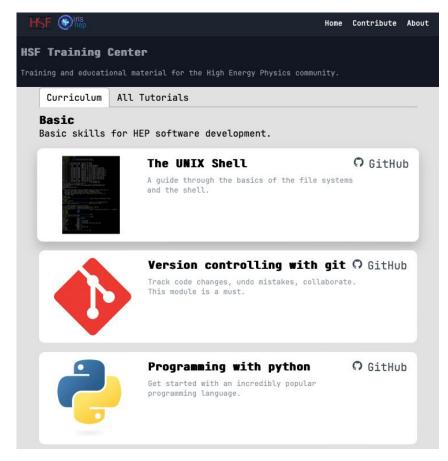
- Data Analysis
- Detector Simulation
- Frameworks
- Physics Generators
- JuliaHEP Julia in HEP
- PyHEP Python in HEP
- Reconstruction and Software Triggers
- Software Developer Tools and Packaging
- HSF Training

- Analysis Facilities Forum
- Conditions Databases
- Differentiable Computing
- Season of Docs
- Google Summer of Code
- intelligent Data Delivery Service
- Licensing
- Reviews
- Visualisation

From Graeme's talk

HSF Training

- HSF Training working group has now trained more than 2000 students in its various courses
 - Huge thanks to all of those involved from HSF, IRIS-HEP, ROOT, CERN, Fermilab, ...
- Lots of material developed and curated
 - Broadening involvement of younger colleagues in delivering and tutoring the material



A selection of comments (paraphrased)

series, I would make time for that"

- "Are these really working groups?", "Please, no more meetings!",
 "If you organised a regular (monthly?), well curated seminar
 - Good idea! A seminar series could be a good replacement for several of the "working groups"
 - c.f. the Software and Computing Roundtable co-organised with BNL and JLab
 - We also find it difficult to find new convenors, hence reducing the number may help
 - o Equally, we can all agree that the HSF Training WG is doing fantastic work
 - Also, the "activities" are mostly self-organised, which seemed uncontroversial
- Take-away we should revisit the working groups and activities, including what we call these groups
 - Related, <u>recognition is a priority</u>, mentioned several times in the Training WG session



From Liz's talk

HSF Projects

How does the project get recognised?

- List of HSF (affiliated) projects hosted in dedicated web area
- All HSF (affiliated projects) have to commit to software sustainability practices
- Propose GitHub badges depending on maturity, community support and update, engagement and implementation of software sustainability practices
 - Bronze: young effort, evolving from few (1 collaboration) users to more, commitment / striving to meet sustainability practices
 - Silver: more mature effort, strong community support, guaranteed maintenance in the medium term, high standards of software sustainability
 - Gold: adopted by several collaborations and/or experiments, strong long-term support from developers and community, highest software sustainability standards
- Annual Project Awards

Feedback from Projects

- Let's re-emphasise that projects retain all their organisation and control
 - The HSF is giving **recognition** to the role and potential of the project as in our HEP ecosystem
 - The aim is to *help the project* and *help our community* find and nurture great software
- Cautiously positive response from a few projects
 - Yes, it would be useful to get this recognition
 - Better known projects might not need this, but they lend credibility to the whole process if they participate
- Take-away
 - We should develop the idea and the criteria for qualification
 - Meanwhile we are very happy if some early-adopter projects who like the idea can work with us to hammer out details

Meanwhile in Community Software Land...



We had a great set of sessions with many **interesting presentations** and **lively discussions**

Let's not forget this is the real core business of the HSF, so many thanks to all speakers and participants!

Contur: A tool for reinterpreting particle-level measurements	Jonathan Butterworth	0
Seminar Room 4, DESY	09:00 - 09:2	20
Constructing model-agnostic likelihoods, a method for the reinterpretation of particle physics res	sults Lorenz Gärtner	0
Seminar Room 4, DESY	09:20 - 09:4	40
Model fitting in Python with zfit and Scikit-HEP	Jonas Eschle	0
Seminar Room 4, DESY	09:40 - 10:0	00
NUISANCE <3 HEPData: Automated Neutrino Scattering Comparisons	Patrick Stowell et al.	0
Seminar Room 4, DESY	10:00 - 10:2	20

Danilo Piparo

James Smith

David Martin Koch

Beniamin Galewsky

11:15 - 11:35

11:35 - 11:55

11:55 - 12:15



Accelerating Monte Carlo event generator analysis using efficient scalable data handling

Seminar Room 4, DESY

Portable event generation on GPU-accelerated hardware

Max Knobbe

Seminar Room 4, DESY

11:15 - 11:35

Experiences on the software performance of LHCb's first level software trigger

Seminar Room 4, DESY

Arthur Hennequin

11:55 - 12:15

Traccc: Track Reconstruction on GPU in ACTS

Attila Krasznahorkay

Seminar Room 4, DESY

Attila Krasznahorkay

12:15 - 12:35

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