IRIS-HEP area SSC

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Mailing lists
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IRIS-HEP Steering Board Meeting - 3 Sep 2019
## Milestones and Deliverables at a glance

<table>
<thead>
<tr>
<th>Type</th>
<th>Time</th>
<th>Description</th>
<th>WBS task</th>
<th>Risks</th>
<th>Metrics</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>3-9</td>
<td>Co-organize (with FIRST-HEP) introductory level Software Carpentry (bash/git/python) workshop at Fermilab combined with topical discussion on interoperability of ROOT for advance PhD students</td>
<td>5.1</td>
<td>M.5.1, M.5.5</td>
<td></td>
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<tr>
<td>M</td>
<td>3-9</td>
<td>Introductory level Carpentry session for CMS/ATLAS at CERN</td>
<td>5.1</td>
<td>M.5.5</td>
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<tr>
<td>M</td>
<td>0-6</td>
<td>Invite LHCb/ALICE to showcase Starterkit on pre and first analysis steps</td>
<td>5.1</td>
<td>R5.1, M.5.6</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>6-9</td>
<td>Carpentries curriculum for HEP for newcomers at a LHC/ FNAL Experiments</td>
<td>5.6</td>
<td>M.5.1, M.5.3, M.5.6</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>6-9</td>
<td>Post-training co-survey with FIRST-HEP on better assessing training needs</td>
<td>5.7</td>
<td></td>
<td></td>
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<tr>
<td>M</td>
<td>6-9</td>
<td>Return next Carpentry workshop benefiting from above participant survey</td>
<td>5.7</td>
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<tr>
<td>M</td>
<td>9-12</td>
<td>Organize and run CoDaS-HEP School (Parallel Programming, ML, Big Data Tools) at Princeton</td>
<td>5.1</td>
<td>R5.2</td>
<td></td>
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<tr>
<td>M</td>
<td>6-9</td>
<td>First brainstorming workshop in conjunction with CoDaS-HEP school to re-visit software and data challenges and correspondingly design future training material and workshops</td>
<td>5.3</td>
<td>R5.1</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>6-9</td>
<td>Summer Outreach Workshop(s) on building software skills at US universities</td>
<td>5.3</td>
<td>R5.1, M.5.3</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>6-9</td>
<td>Second HEP Software Carpentry Workshop at a US university/Lab</td>
<td>5.3</td>
<td>R5.1</td>
<td></td>
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<tr>
<td>D</td>
<td>9-12</td>
<td>Carpentries curriculum for HEP using best practices for HEP</td>
<td>5.6</td>
<td>R5.1, R5.2</td>
<td></td>
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<tr>
<td>M</td>
<td>12-15</td>
<td>Co-organize (with FIRST-HEP) boot camp on domain specific topics like advanced ROOT, Geant4 and other HEP-specific tools</td>
<td>5.3</td>
<td>R5.1</td>
<td>M.5.2, M.5.4</td>
</tr>
<tr>
<td>M</td>
<td>12-15</td>
<td>First Data Carpentry Workshop catered to HEP needs (expert input from CoDaS-HEP tutors and IRIS-HEP Fellows and field experts)</td>
<td>5.3</td>
<td>R5.2</td>
<td>M.5.1, M.5.5</td>
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<tr>
<td>D</td>
<td>12-15</td>
<td>Software and Data Carpentry Workshops for HEP community by IRIS-HEP program, IRIS-HEP Fellows form a community of tutors for workshops and future domain specific topics</td>
<td>5.3, 5.6</td>
<td>R5.1, R5.2</td>
<td>M.5.3, M.5.5</td>
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<tr>
<td>M</td>
<td>18-21</td>
<td>Summer Outreach Workshop(s) on building software and data analytical skills at US universities supported by IRIS-Undergrad Fellows and IRIS-Fellows in their own community, “Hack week” as a model for data science education and collaboration</td>
<td>5.3</td>
<td>R5.1</td>
<td>M.5.3, M.5.5</td>
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<tr>
<td>M</td>
<td>18-21</td>
<td>Organize and run CoDaS-HEP at Princeton</td>
<td>5.3</td>
<td>R5.1, R5.2</td>
<td>M.5.2, M.5.5</td>
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<tr>
<td>M</td>
<td>18-21</td>
<td>Second brainstorming workshop in conjunction with CoDaS-HEP school to re-visit software and data challenges preparedness in terms of training material</td>
<td>5.3</td>
<td>R5.1</td>
<td>M.5.7</td>
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**Software Carpentry Workshop (1-2 April 2019, Fermilab)**  
[https://indico.fnal.gov/event/20233/](https://indico.fnal.gov/event/20233/)

Survey: pre-workshop:  [https://www.surveymonkey.com/results/SM-X7BFPFY3V/](https://www.surveymonkey.com/results/SM-X7BFPFY3V/)


**Software Carpentry at CERN (27-29 November 2019)**  
[https://indico.cern.ch/event/834411/](https://indico.cern.ch/event/834411/)

**HEP Software/Computing Training Survey (Feb, 2019)**  
[LINK to the survey](https://iris-hep.org/)

**CoDaS-HEP (22-26 July, 2019, Princeton)**  
[http://codas-hep.org](http://codas-hep.org)

**Brainstorming - IRIS-HEP Institute Retreat (12-13 Sept. 2019 Fermilab)**  
[https://indico.cern.ch/event/840472/](https://indico.cern.ch/event/840472/)

**An introduction to programming for STEM teachers (3-4 June, UPRM)**  
[https://indico.cern.ch/event/817539/](https://indico.cern.ch/event/817539/)

**Machine Learning Workshop/Hackathon (24-26 April 2019, UPRM)**  
[https://indico.cern.ch/event/809812/](https://indico.cern.ch/event/809812/)

~ 180 people trained

**More info on events:**  
[https://iris-hep.org/](https://iris-hep.org/)
Software Carpentry Workshop (Fermilab)
(1-2 April 2019)

https://indico.fnal.gov/event/20233/
ML Hackathon (Puerto Rico)
(24-26 April, 2019)
https://indico.fnal.gov/event/20233/
An introduction to programming for STEM teachers (Puerto Rico) (4-5 June, 2019)

https://indico.fnal.gov/event/20233/picture/0.jpg

https://indico.cern.ch/event/817539/
First-HEP/ATLAS Training (Argonne)
(10 June, 2019)

https://indico.cern.ch/event/827231/
3rd CoDaS School (Princeton)
(22-26 July, 2019)

https://indico.cern.ch/event/814979/
First-HEP/ATLAS Training (LBNL)
(19-21 August, 2019)

https://indico.cern.ch/event/816946/
IRIS-HEP Fellows Program

- Promote the development of advanced research software skills by providing opportunities for undergraduate and graduate students to connect with mentors within the larger HEP and Computational/Data Science community.

- Preparing for a more formal/organized call soon for projects and proposals for a round of fellows in the fall.

Summary/Plans

- Training has picked up momentum
- Several training events organized
- First training event outside US (at CERN)
- Blueprint meeting at Fermilab this month
- Carpentries instructor training this fall
- Scale the activities and iterate the curriculum
- JLAB interest in training
  - Staff members interested in expanding training opportunities for staff and users and train a couple to as serve an instructors
  - In conversation to organize software training event
- Spread activities to other labs/experiments/non-HEP
Related Links/Info

  - General public announcement mailing list for IRIS-HEP events, talks, meetings, workshops, opportunities for training and job opportunities (subscribe to)
    - [announcements@iris-hep.org](mailto:announcements@iris-hep.org)

- HSF (HEP Software foundation) - [https://hepsoftwarefoundation.org](https://hepsoftwarefoundation.org)
  - General Information about HSF (subscribe to): [hsf-forum@googlegroups.com](mailto:hsf-forum@googlegroups.com)
  - Discussions and activities in the HEP Software Foundation mailing lists can be found here (General and Dedicated Forums): [https://hepsoftwarefoundation.org/forums.html](https://hepsoftwarefoundation.org/forums.html)
  - You can contribute [https://hepsoftwarefoundation.org/cwp/cwp-working-groups.html](https://hepsoftwarefoundation.org/cwp/cwp-working-groups.html)
  - HSF Events/Workshops - [https://hepsoftwarefoundation.org/events.html](https://hepsoftwarefoundation.org/events.html)

  - Funding for participants and lecturer support for Training