



# Pre-CHEP HSF workshop on training



## Organizers





Alexander Moreno Briceño

Jim Pivarski

Lera Lukashenko



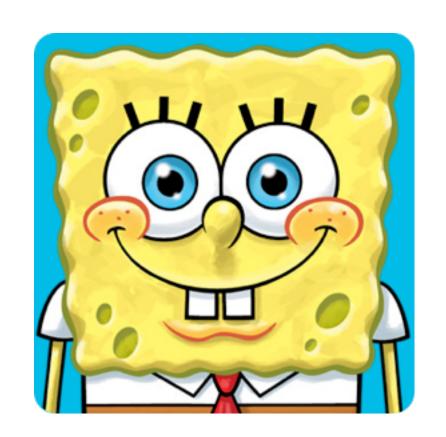




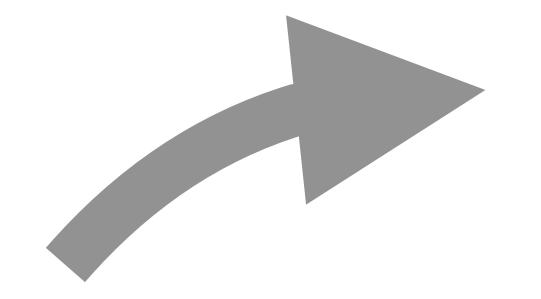


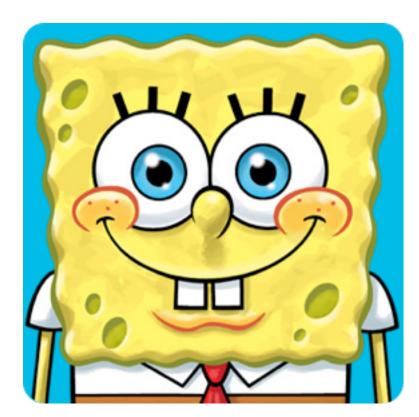
- Tomasz Szumlak (AGH)
- Agnieszka Obłąkowska-Mucha (AGH)
- Bartosz Mindur (AGH)
- Tomasz Bołd (AGH)
- Bartosz Baliś (AGH)

- Agnieszka Dziurda (IFJ)
- Dominik Derendarz (IFJ)
- Piotr Salabura (UJ)
- Grzegorz Korcyl (UJ)
- Bartłomiej Rachwał (AGH)



newcomer

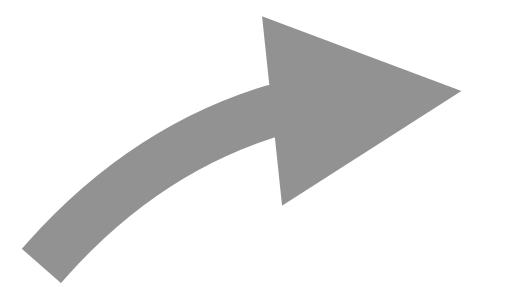


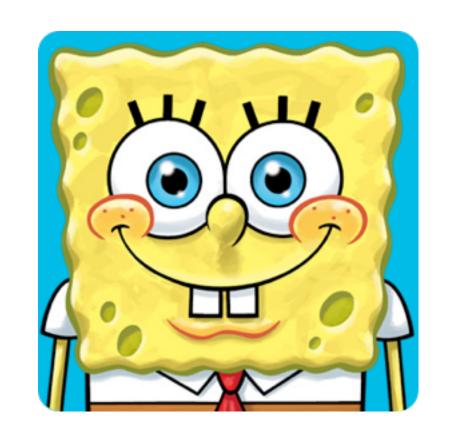


newcomer



sees software and jargon





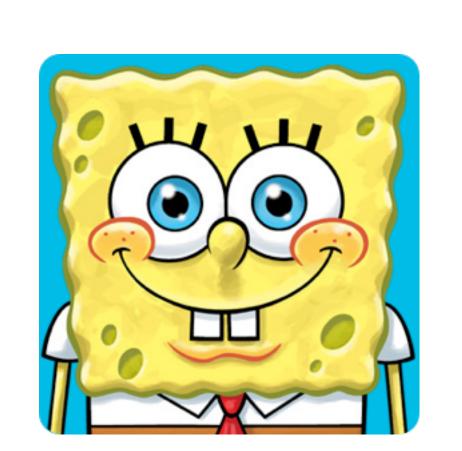
newcomer



sees software and jargon



spends hours to write a simple command/execute code/etc



newcomer



sees software and jargon



sadness and despair

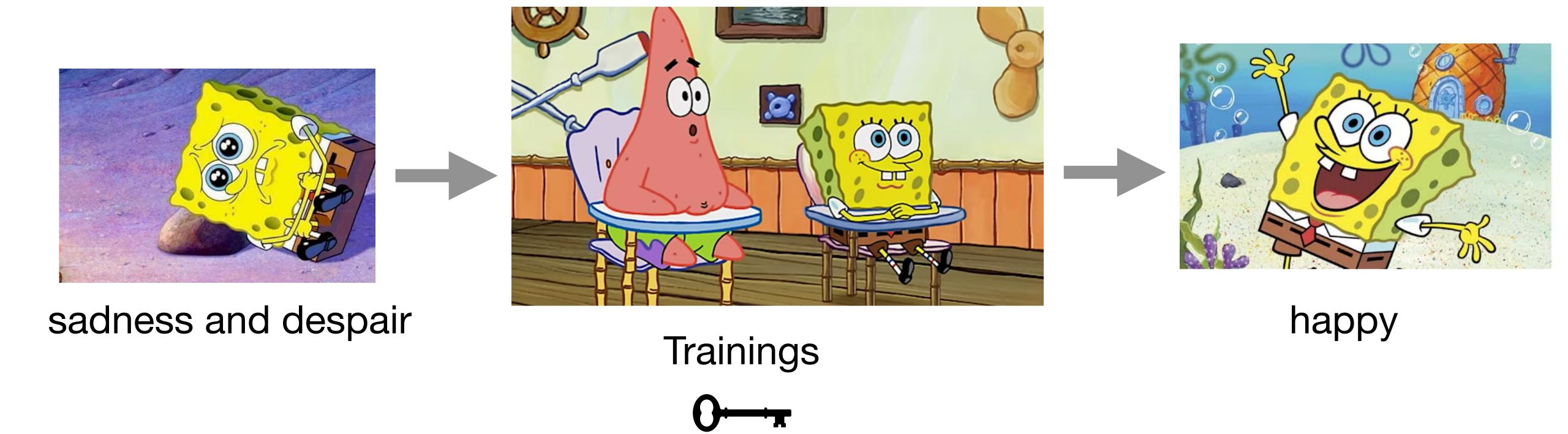


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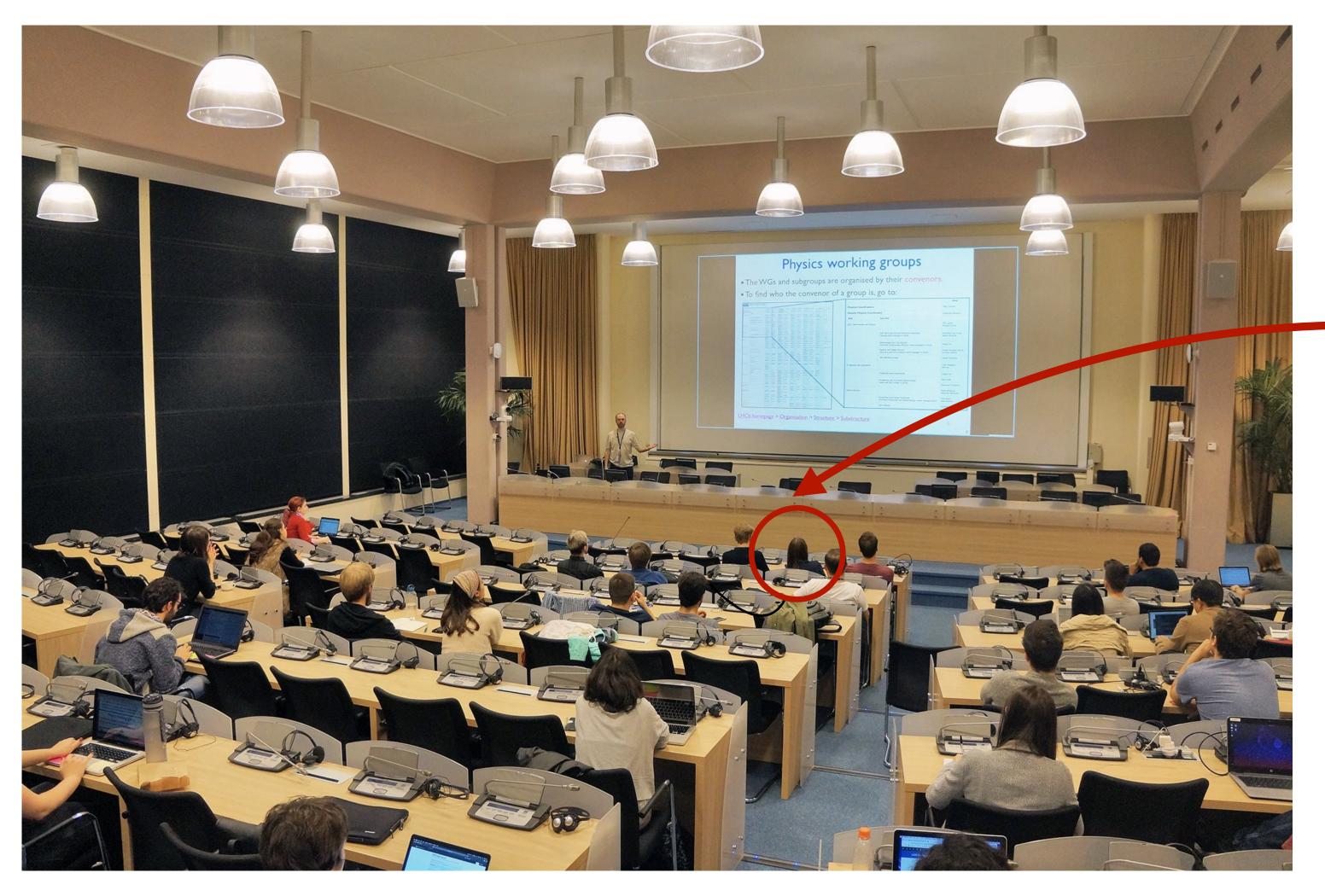


sadness and despair

happy

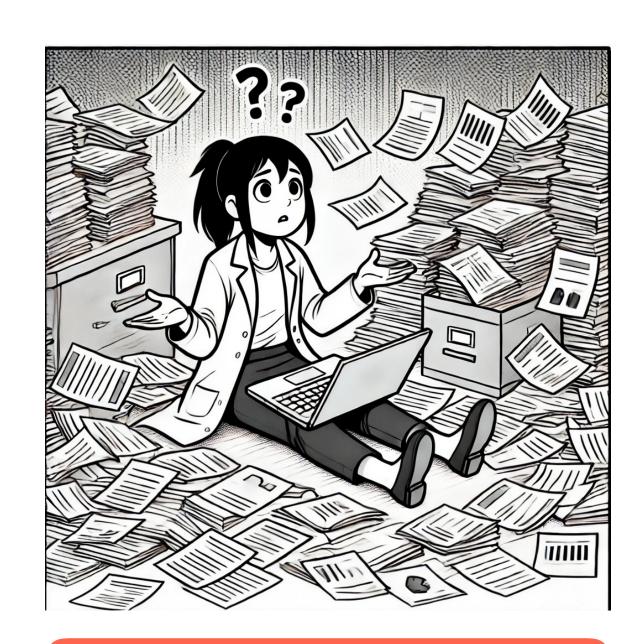


This is me



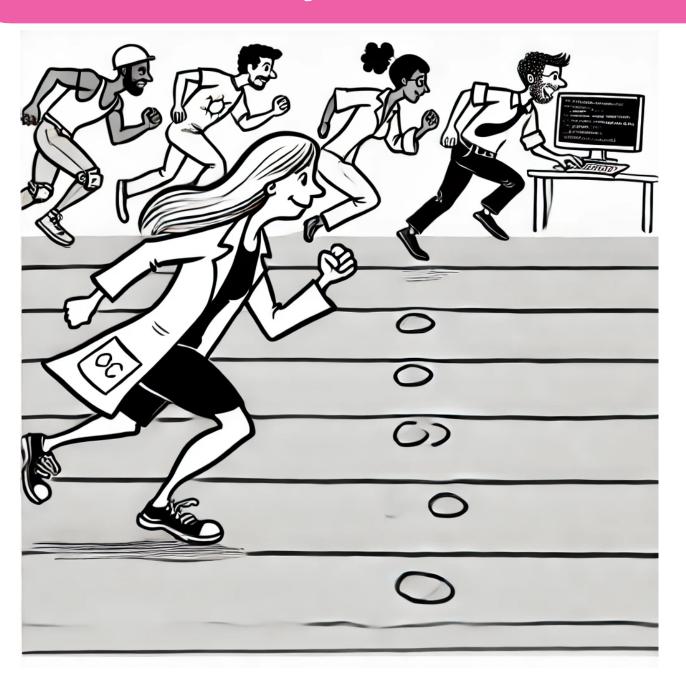
LHCb Starterkit 2019

## Problem



Software is critical

Keep pace and follow industry standards





Almost every scientist needs to be trained post their degree



## SUSTAINABILITY

- Open source
- Community maintenance
- Incentives and recognition





## SUSTAINABILITY

## UNITY

- Open source
- Community maintenance
- Incentives and recognition
- Easy to find material and information
- One entry point
- Cross-experiment content
- Guide, support, and coordinate







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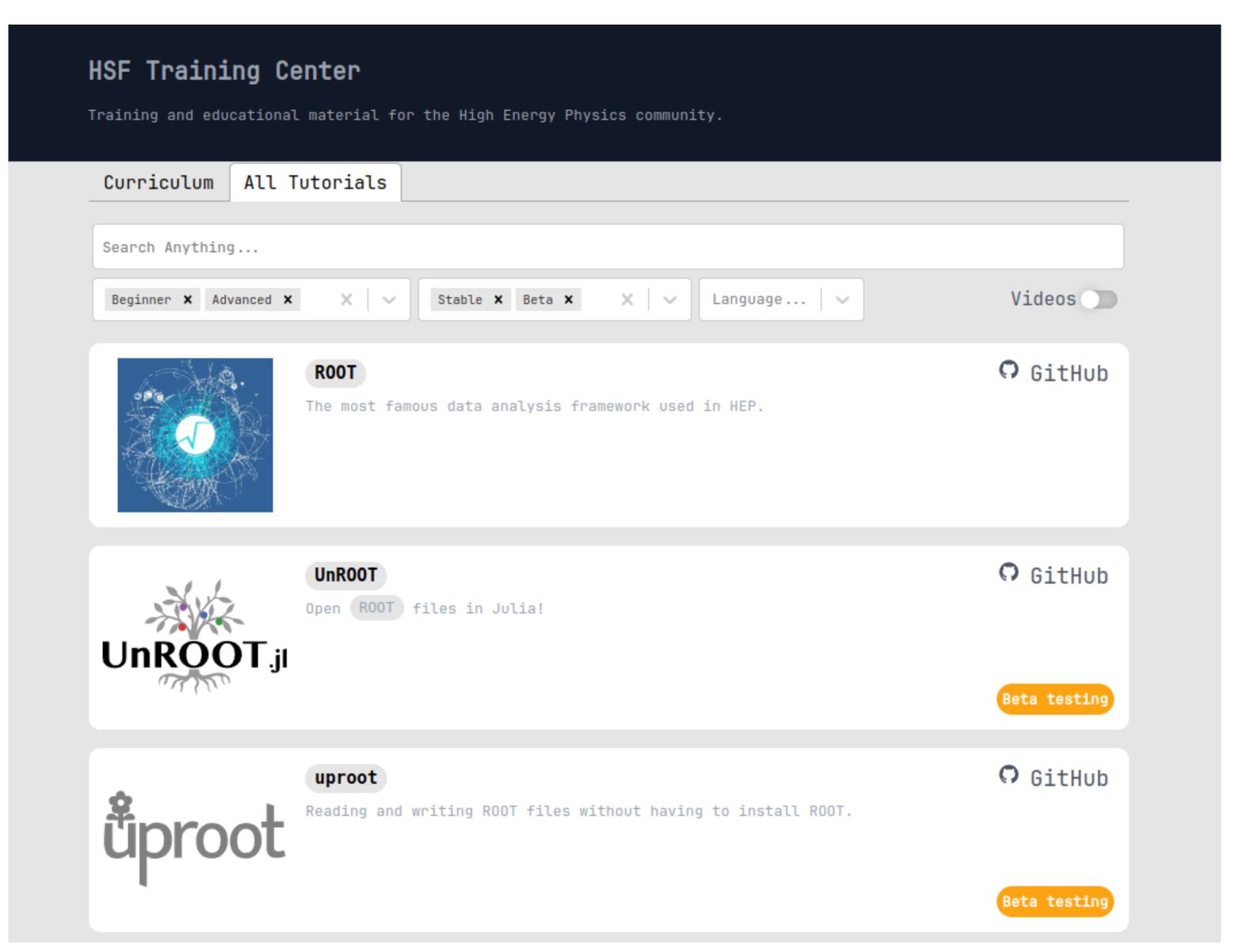
#### UNITY

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#### **SCALABILITY**

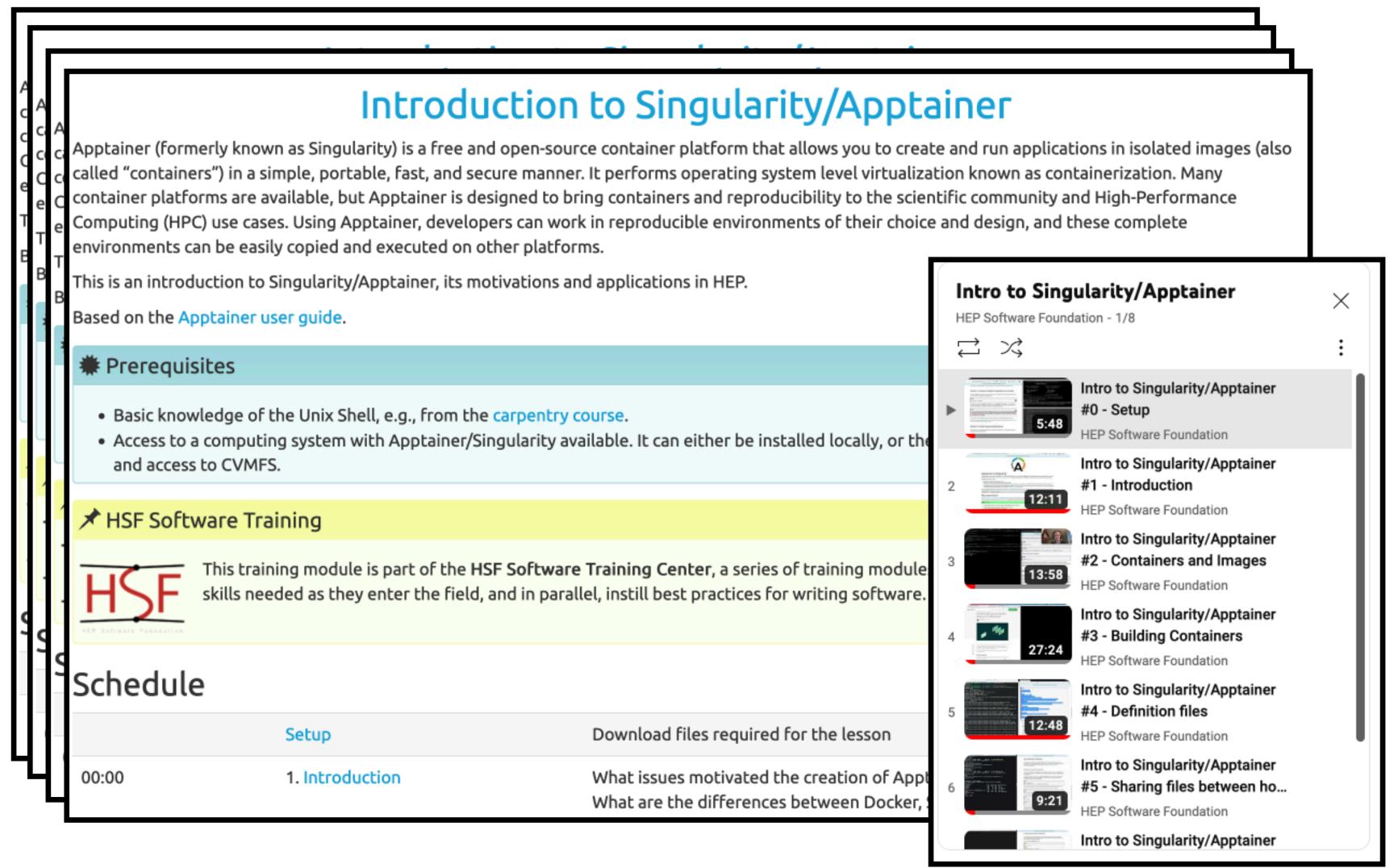
- Teachable by multiple instructors
- Self-study is important

- New HSF Training Center
- Currently 25 training modules
- Aim: starting point for all HEP trainings



## Example 1: Training on Analysis Pipelines (Preservation)

- Docker/Podman, Singularity/Apptainer, CI/CD with github/gitlab
- Emphasis on self study with videos + live lectures
- Small-group virtual mentoring sessions + 24h support on slack



## Example 2: C++ Course

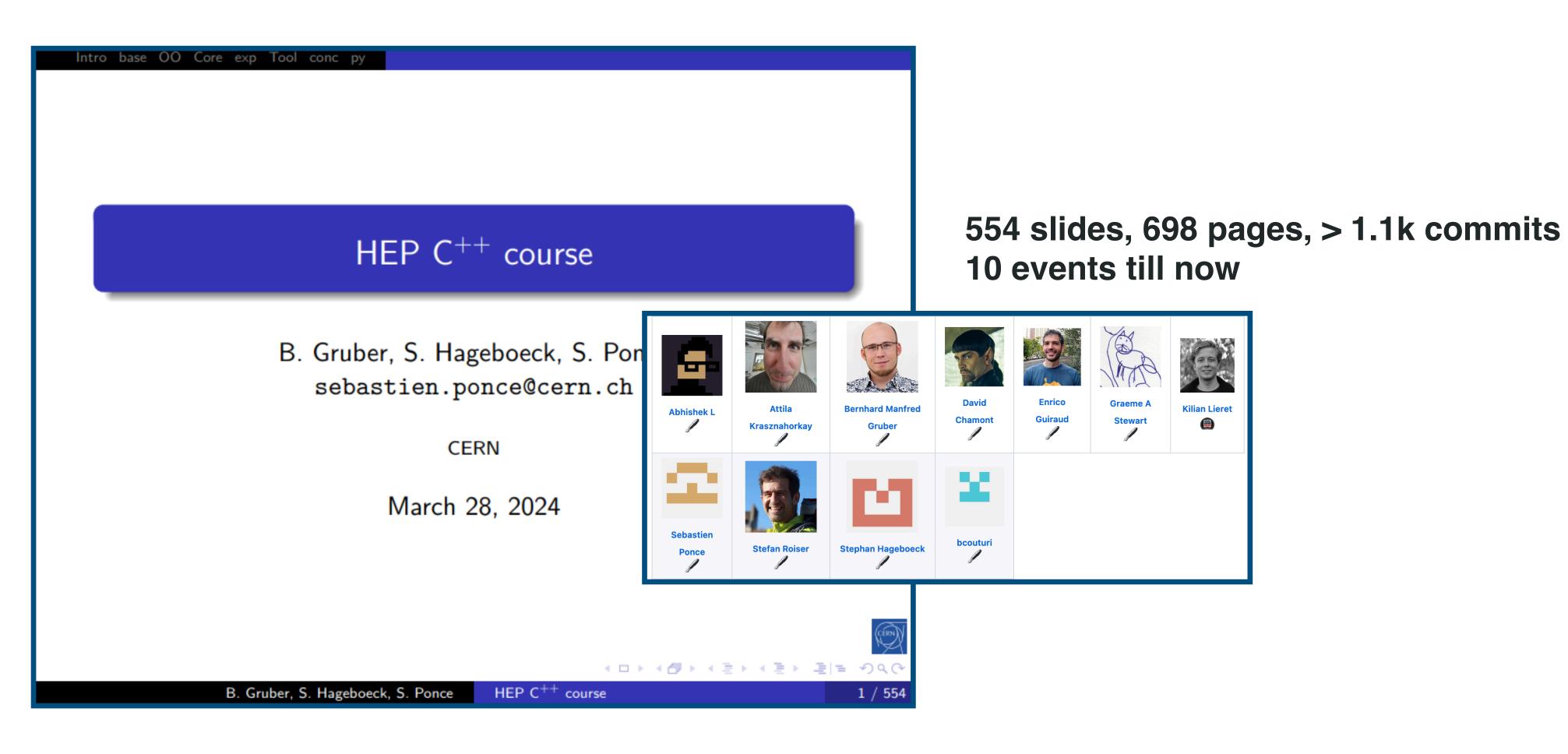


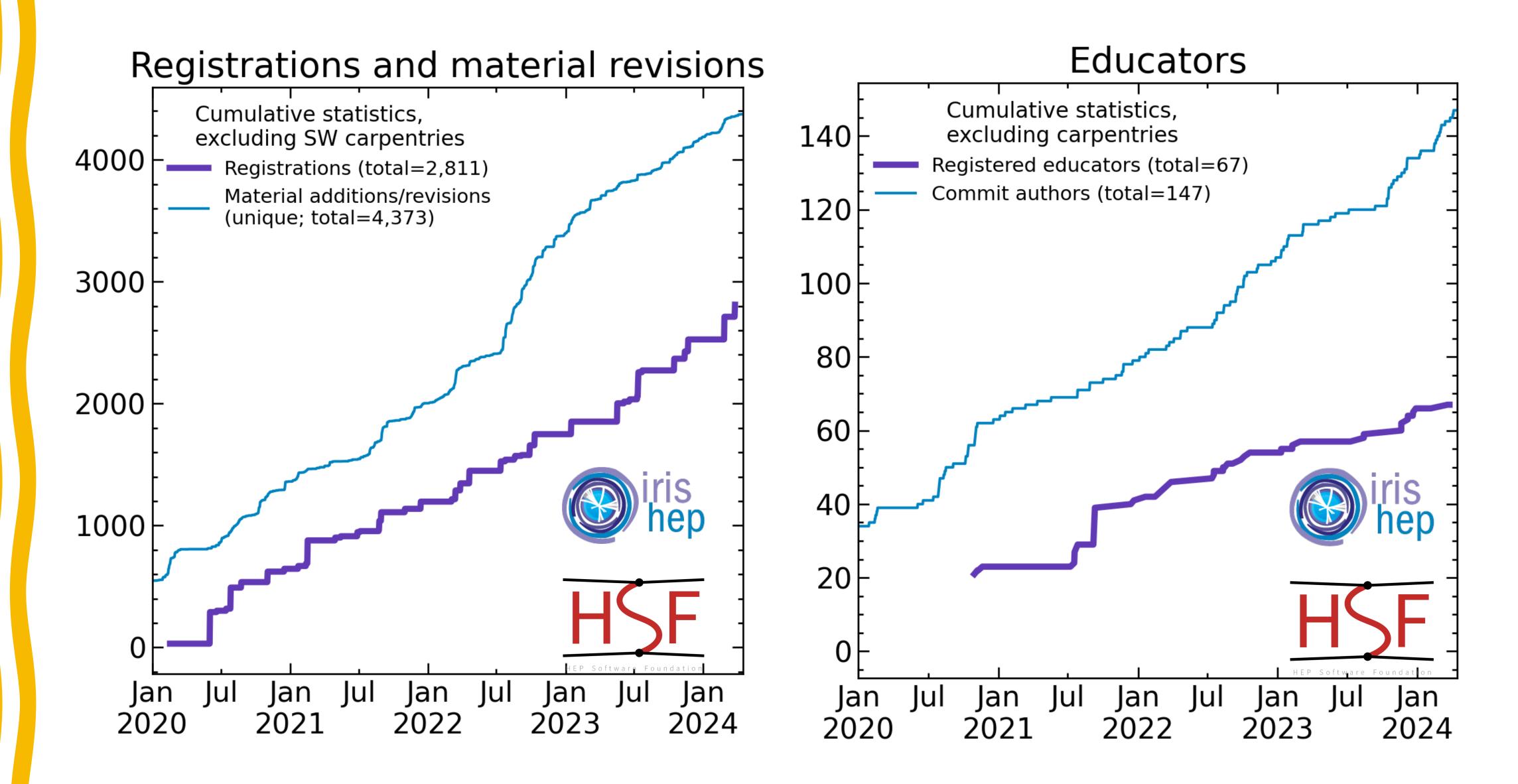




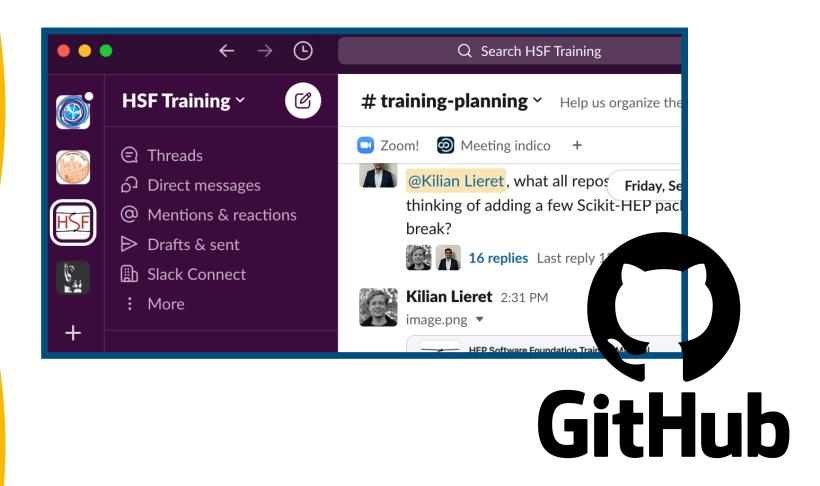


Originally developed by S. Ponce, now community effort driven by B. Gruber, S. Hageboeck et. al.

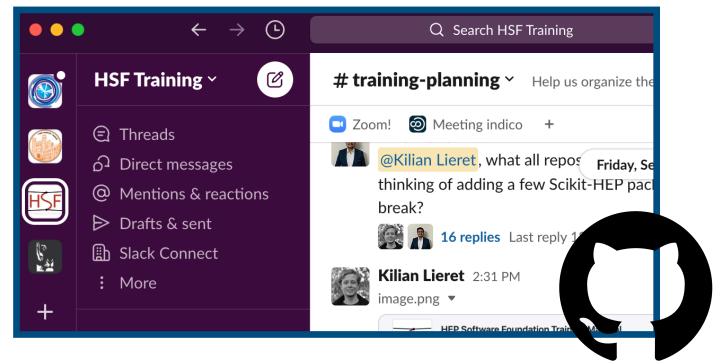












Guidance

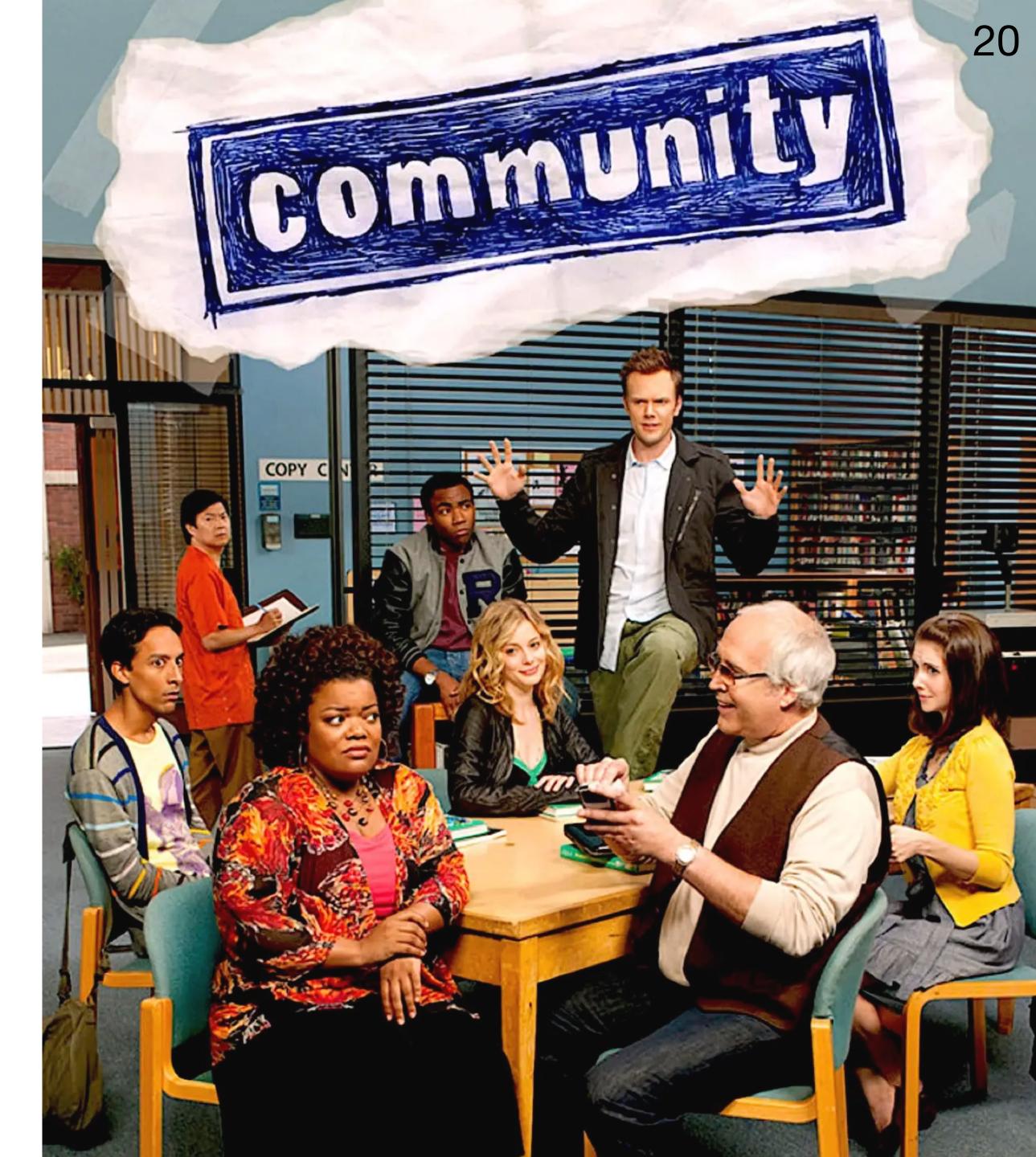
GitHub

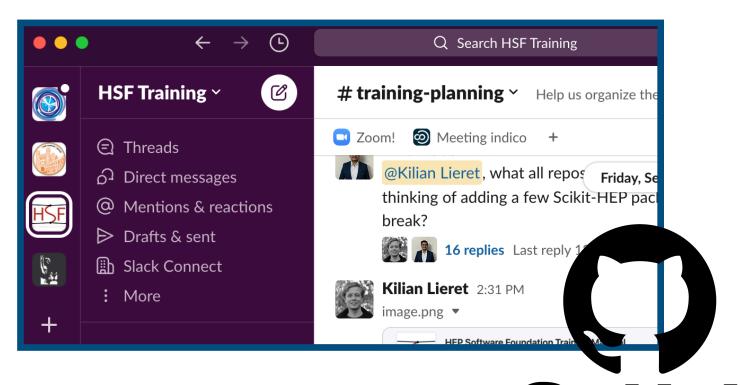
HSF Training Hackathon Checklist

Let's streamline our organization and make sure we don't forget anything!

HSF Training Workshop Checklist V

Let's streamline our organization and make sure we don't forget anything!





## Guidance

## GitHub

#### HSF Training Hackathon Checklist ✓

Let's streamline our organization and make sure we don't forget anything!

#### HSF Training Workshop Checklist V

Let's streamline our organization and make sure we don't forget anything!



Hackathons

June 2024

24 Jun Training WG Planning Meeting

17 Jun Training WG Planning Meeting

10 Jun Training WG Planning Meeting

03 Jun Training WG Planning Meeting

May 2024

27 May Training WG Planning Meeting

20 May Training WG Planning Meeting

13 May Training WG Planning Meeting

13 May Training WG Planning Meeting

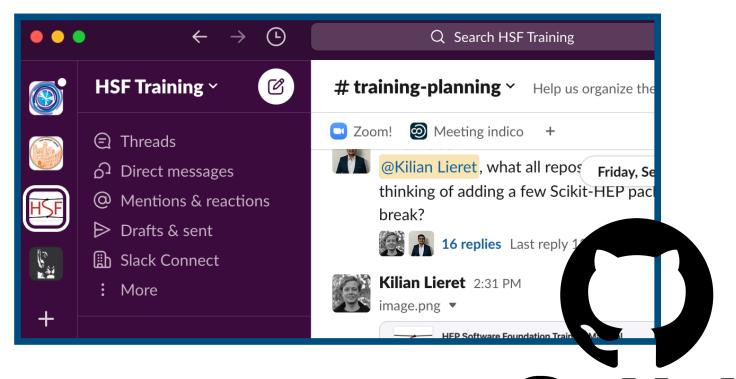
16 May Training WG Planning Meeting

7 Training WG Planning Meeting

7 Training WG Planning Meeting

Regular meetings





## Guidance

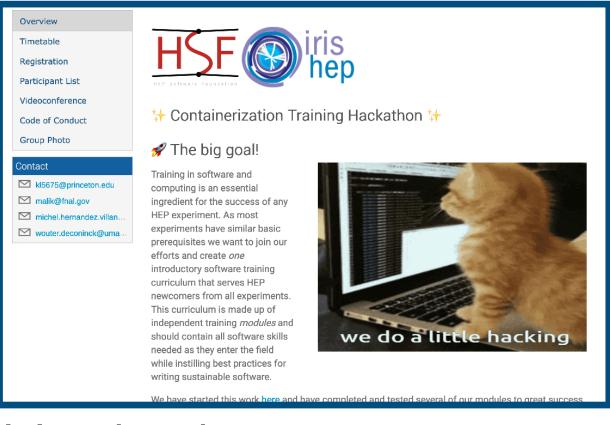
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#### HSF Training Hackathon Checklist V

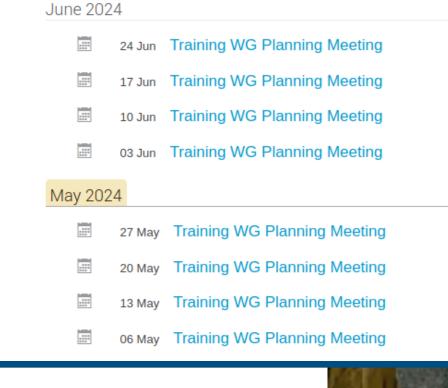
Let's streamline our organization and make sure we don't forget anything!

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Hackathons



Regular meetings



# What is this workshop about?

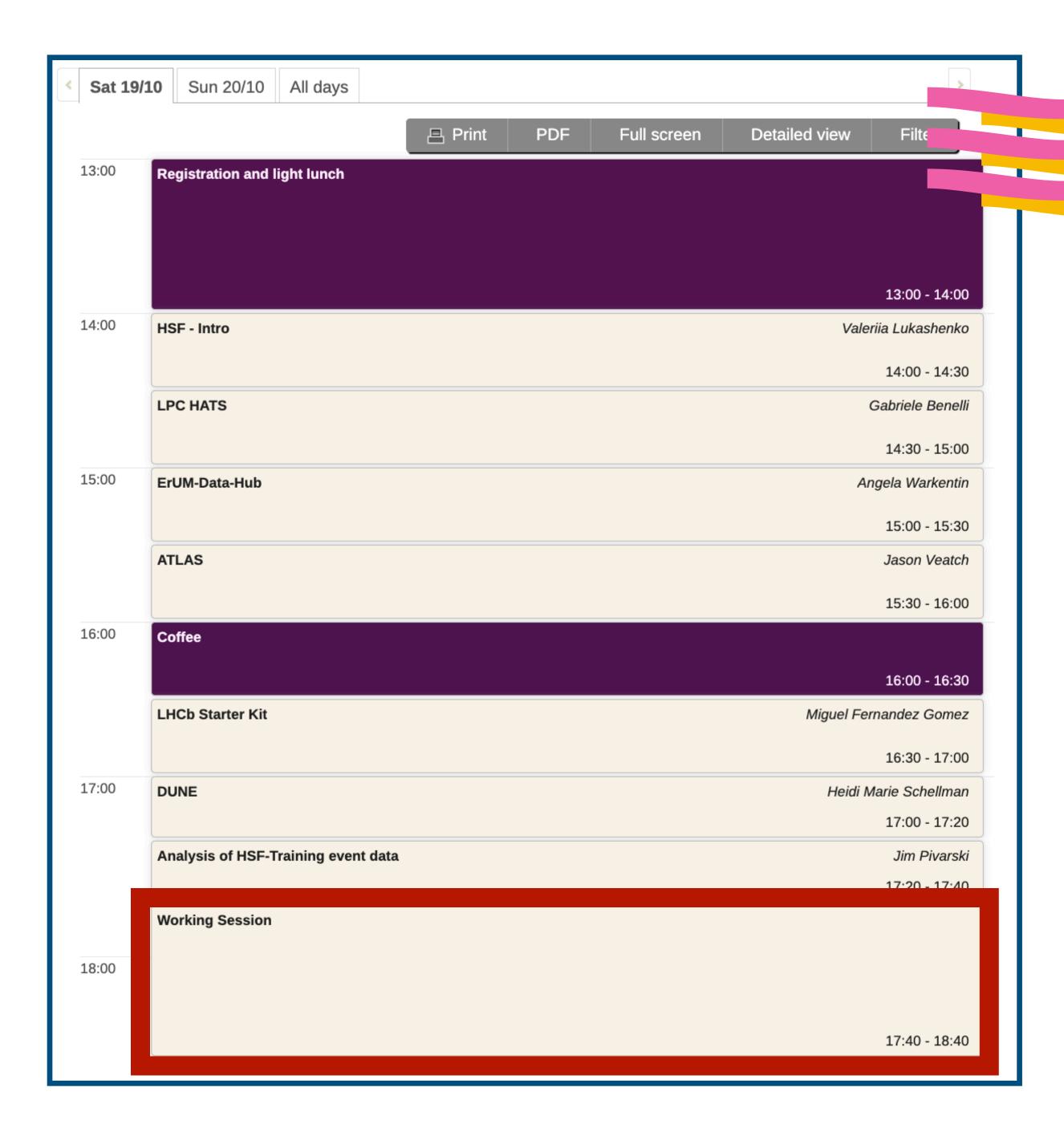




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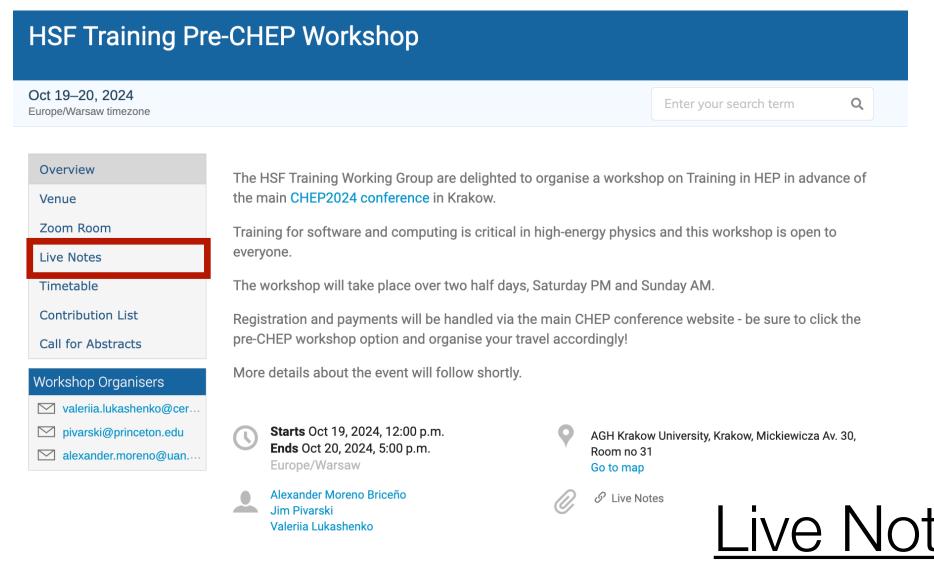
#### 25

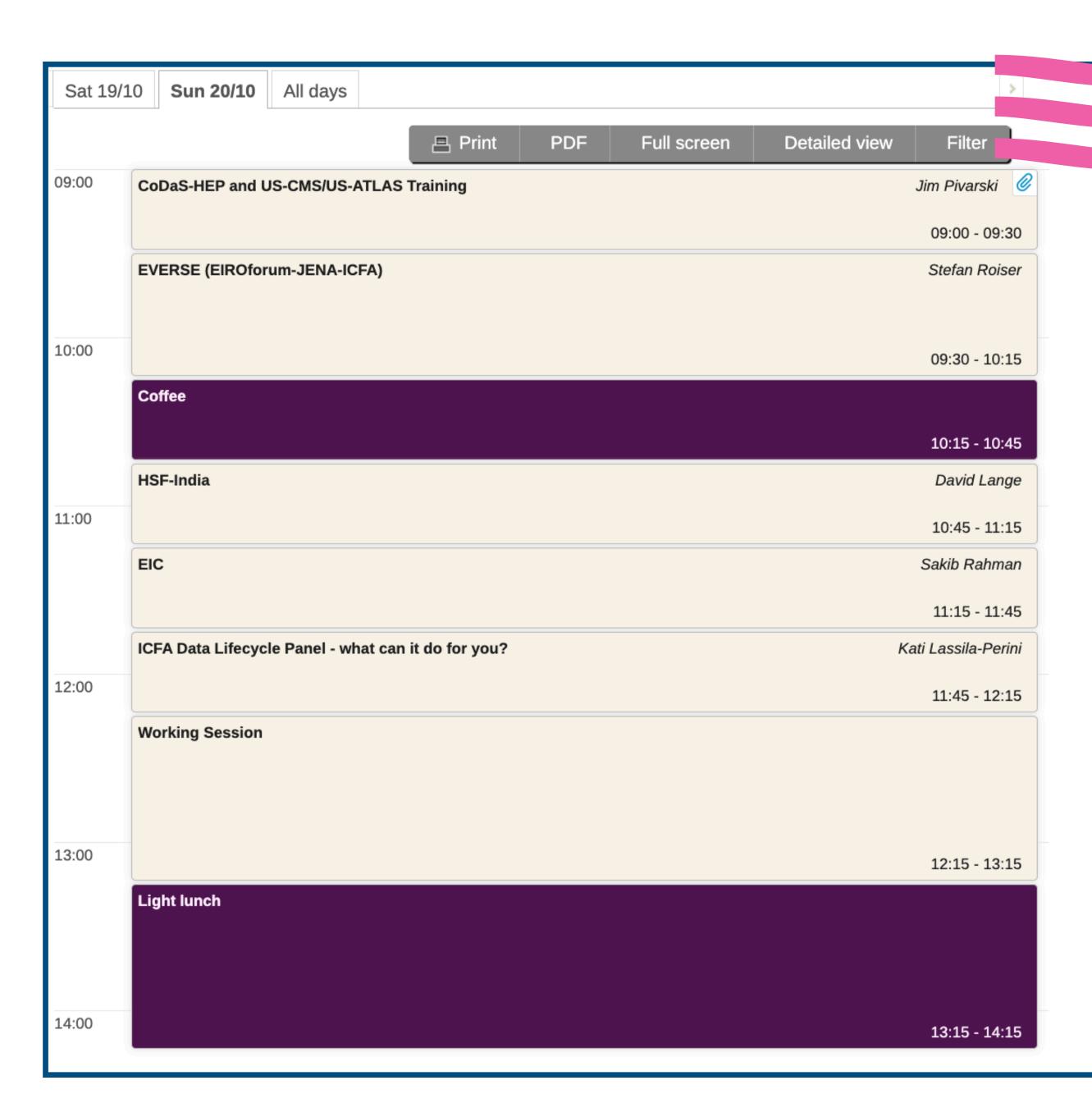
## TODAY



## TODAY

Working session: An open discussion on common training-related issues.





## TOMORROW

# Keep in touch







