FH Sustainable Computing Workshop

- **2-day workshop** (October 7 and 8) on **Sustainable Computing**, hosted by the FH Sustainability Forum and FH IT experts
- Participants will learn:
  - To write efficient code
  - To use batch computing in a sustainable way
  - To maximize resources and minimize waste
- Examples will be demonstrated with local computing clusters and are tailored to the needs of the FH division
- This iteration targeted towards beginners (students, people new to DESY, etc.)

- **Please register here:** https://indico.desy.de/event/43906/

Agenda

Monday, October 7

9:00 AM → 10:45 AM Monday early morning — 📍 SR 1

- **9:00 AM** — **Workshop introduction and overview** — 🕐 15m
  Speaker: Juliette Alimena (DESY-CMS)

- **9:15 AM** — **Introduction to the NAF** — 🕐 1h 30m
  Speakers: Christoph Beyer (IT (IT Systems)), Dr Kilian Schwarz (IT (IT Scientific Computing)), Thomas Hartmann (IT (IT Systems)), Yves Kemp (IT (IT Systems))

10:45 AM → 11:15 AM Coffee break — 🕐 30m 📍 SR 1

11:15 AM → 12:45 PM Monday late morning — 📍 SR 1

- **11:15 AM** — **Introduction to ROOT** — 🕐 1h 30m
  Speakers: Eleanor Jones (ATLAS (ATLAS-Experiment)), Frank Gaede (FTX (FTX Fachgruppe SFT)), Thomas Madlener (FTX (FTX Fachgruppe SFT))

12:45 PM → 1:45 PM Lunch — 🕐 1h 📍 Canteen

1:45 PM → 3:15 PM Monday early afternoon — 📍 SR 1

- **1:45 PM** — **The NAF and Batch Computing** — 🕐 1h 30m
  Speakers: Christoph Beyer (IT (IT Systems)), Dr Kilian Schwarz (IT (IT Scientific Computing)), Thomas Hartmann (IT (IT Systems)), Yves Kemp (IT (IT Systems))

3:15 PM → 3:45 PM Coffee break — 🕐 30m 📍 SR 1

3:45 PM → 5:15 PM Monday late afternoon — 📍 SR 1

- **3:45 PM** — **Batch computing** — 🕐 1h
  Speaker: Christoph Wissing (DESY)

- **4:45 PM** — **General Q&A/ Overflow** — 🕐 30m

Tuesday, October 8

9:00 AM → 11:00 AM Tuesday early morning — 📍 SR 4a

- **9:00 AM** — **Best coding practices** — 🕐 1h 30m
  Speaker: Thomas Madlener (FTX (FTX Fachgruppe SFT))

- **10:30 AM** — **Introduction to GIT (talk)** — 🕐 30m
  Speaker: Juliette Alimena (CMS-DESY)

11:00 AM → 11:30 AM Coffee break — 🕐 30m 📍 SR 4a

11:30 AM → 12:30 PM Tuesday late morning — 📍 SR 4a

- **11:30 AM** — **Introduction to GIT (hands on)** — 🕐 1h
  Speaker: Juliette Alimena (CMS-DESY)

12:30 PM → 1:30 PM Lunch — 🕐 1h 📍 Canteen

1:30 PM → 3:30 PM Tuesday early afternoon — 📍 SR BAH1

- **1:30 PM** — **Continuous integration** — 🕐 1h 30m
  Speakers: Christoph Wissing (DESY), Juliette Alimena (CMS (CMS Fachgruppe Searches)), Dr Kilian Schwarz (IT (IT Scientific Computing)), Tigran Mkrtchyan (DESY-IT, Scientific Computing)

- **3:00 PM** — **General Q&A/ overflow** — 🕐 30m

3:30 PM → 4:00 PM Coffee break — 🕐 30m 📍 SR BAH1

4:00 PM → 5:00 PM Tuesday late afternoon — 📍 SR BAH1

- **4:00 PM** — **General Q&A / Overflow** — 🕐 45m

- **4:45 PM** — **Closing** — 🕐 15m
  Speaker: Juliette Alimena (CMS-DESY)