ESCAPE

European Science Cluster of Astronomy &
Particle physics ESFRI research Infrastructures

ESCAPE brings together the astronomy, astroparticle and particle physics ESFRI and pan-European communities with aligned challenges of data-driven research and demonstrated capabilities in addressing various stages of data workflow and concerned with fundamental research through complementary approaches.

The ESCAPE Data Science Summer School 2021

T. Vuillaume et al, for the ESCAPE Project

Intro: School Overview

Training of early career scientists is essential for the development of an open science system in the EOSC. The creation and maintenance of high-quality, open software need special consideration. This is tackled within the thematic training event, where young scientists in the field of astronomy, astro-particle and particle physics were taught the necessary ingredients for their software to become a part of open science by experienced code custodians.

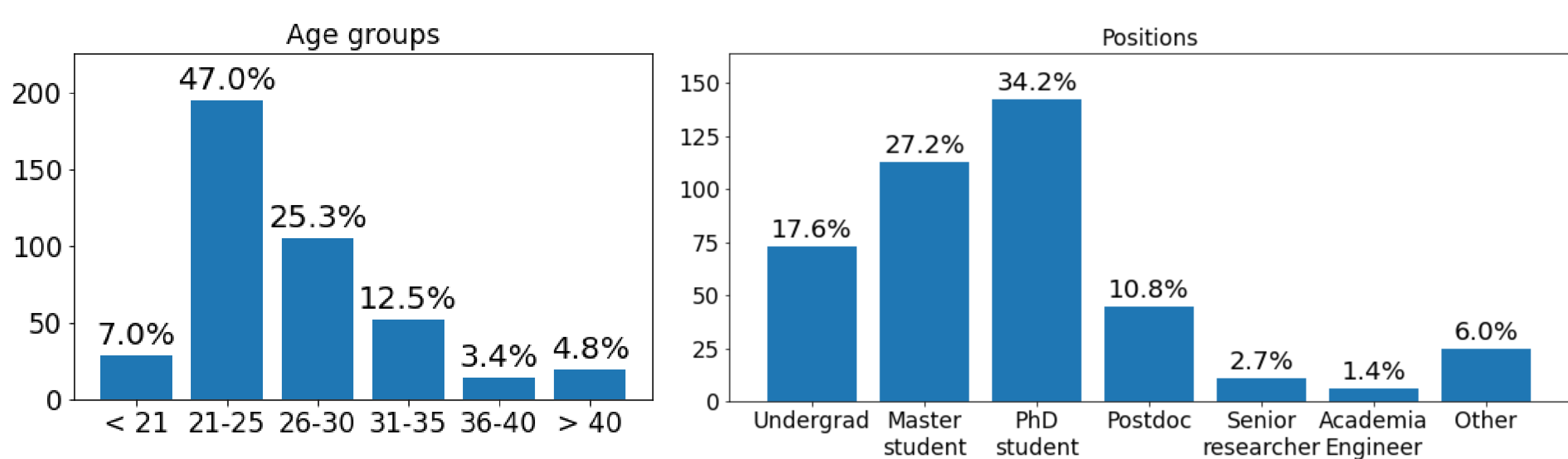## Open, free, online and accessible to all

The registrations had no limitations and were completely free. All the lectures content (slides, lectures recordings, code and datasets) were and are still openly accessible online.

Tools (click to access) used for organisation and communication

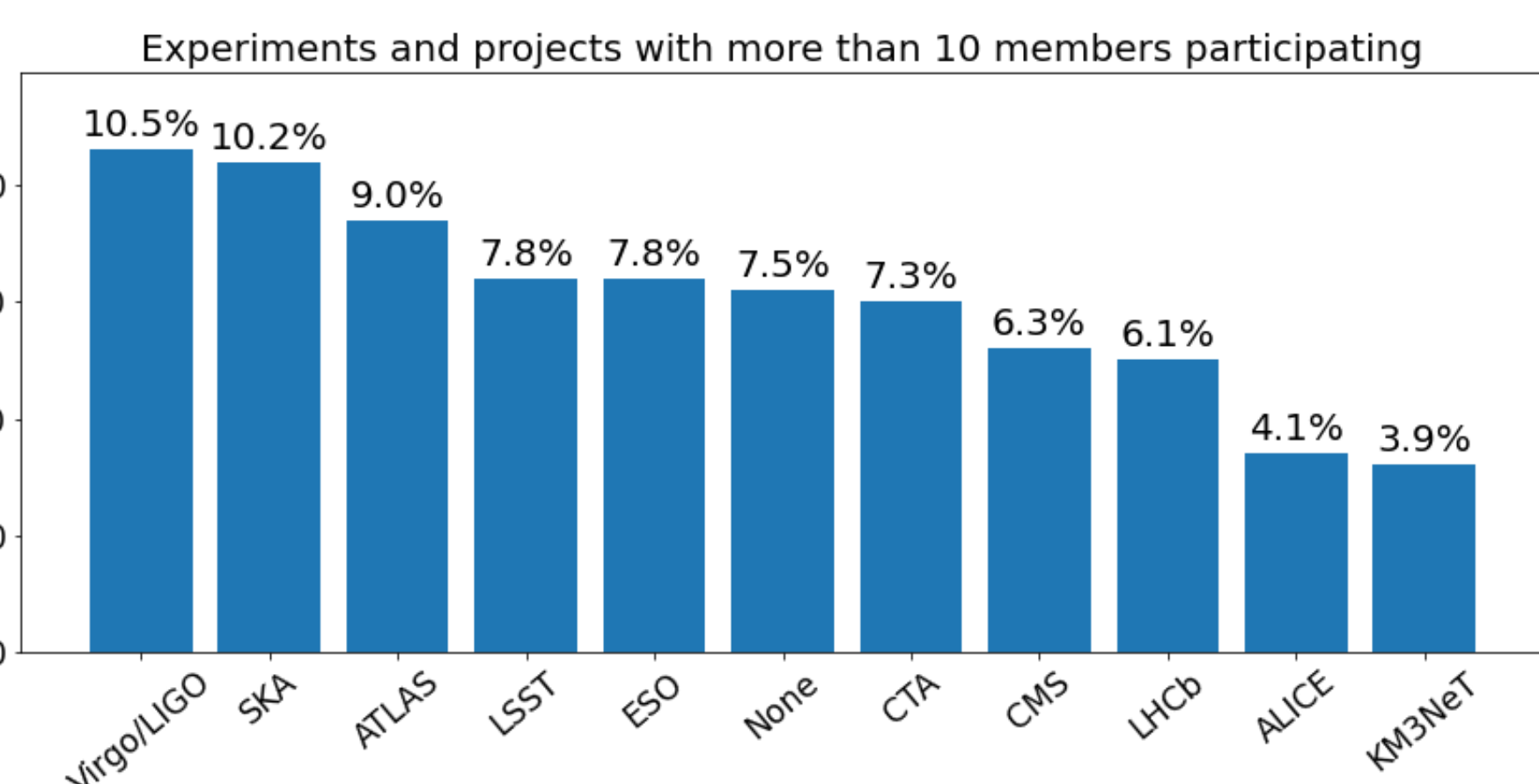slack   Gather   indico
Twitter YouTube GitHub LinkedIn

School target audience & demographics

The ESCAPE School targets any software engineer, data scientist or interested students from ESCAPE communities. The representativity was good with more than 40% of women.

Age groups
7.0% (< 21), 47.0% (21-25), 25.3% (26-30), 12.5% (31-35), 3.4% (36-40), 4.8% (> 40)

Positions
17.6% Undergrad, 27.2% Master student, 34.2% PhD student, 10.8% Postdoc, 2.7% Senior researcher, 1.4% Academia Engineer, 6.0% Other

Most of the participants were young scientists and students, that could benefit easily from the online and free access to the lectures.
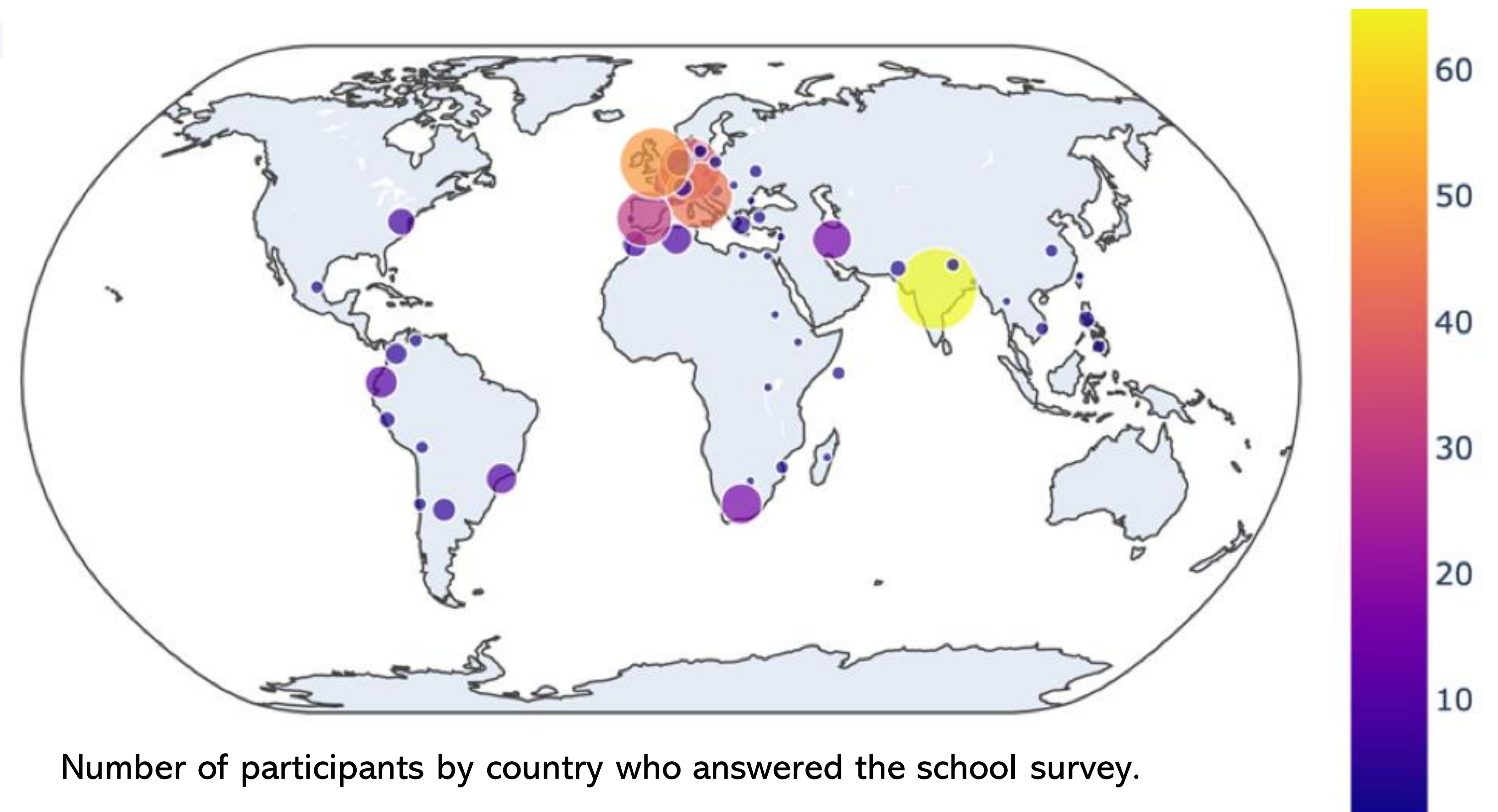

Experiments and projects with more than 10 members participating
10.5% Virgo/LIGO, 10.2% SKA, 9.0% ATLAS, 7.8% LSST, 7.8% ESO, 7.5% None, 7.3% CTA, 6.3% CMS, 6.1% LHCb, 4.1% ALICE, 3.9% KM3NeT

Participants and teachers came from a large panel of ESCAPE partners.

JOIN OUR COMMUNITY

REGISTER ON THE WEBSITE! www.projectescape.eu

@ESCAPE_EU   linkedin.com/in/escape-eu

Number of participants by country who answered the school survey.

School Programme

Coding Environment, Scientific Libraries, Version Control, Profiling & Debugging, Spark, Machine Learning
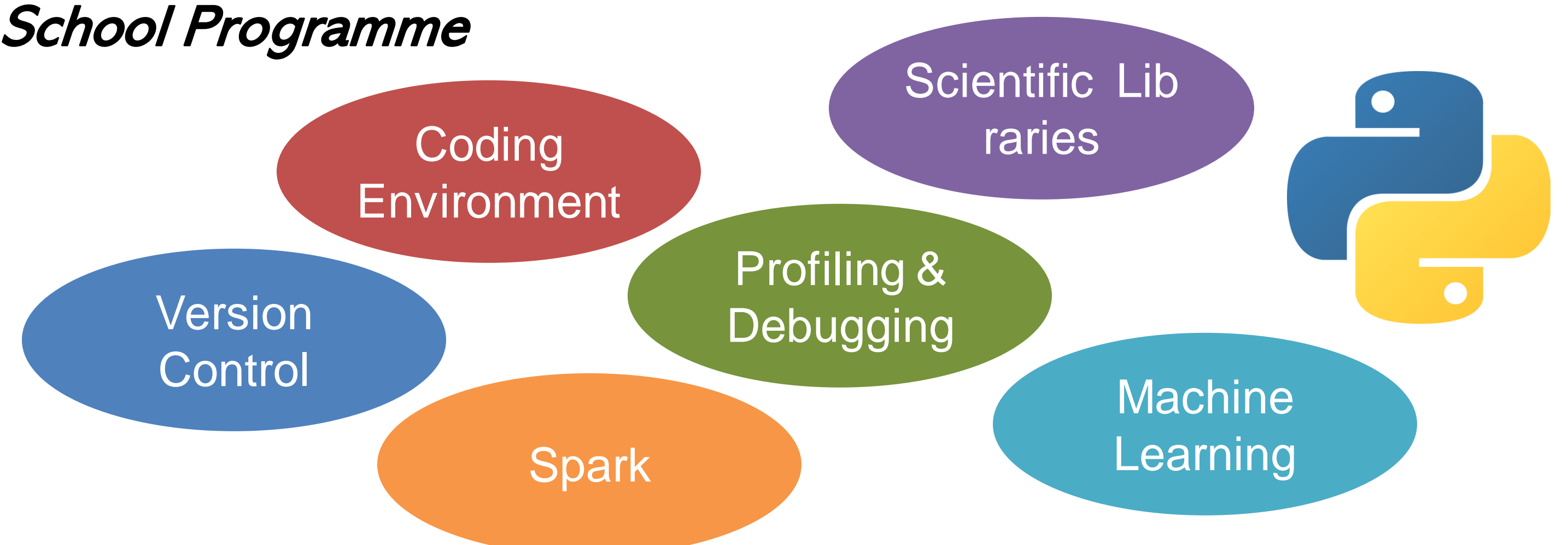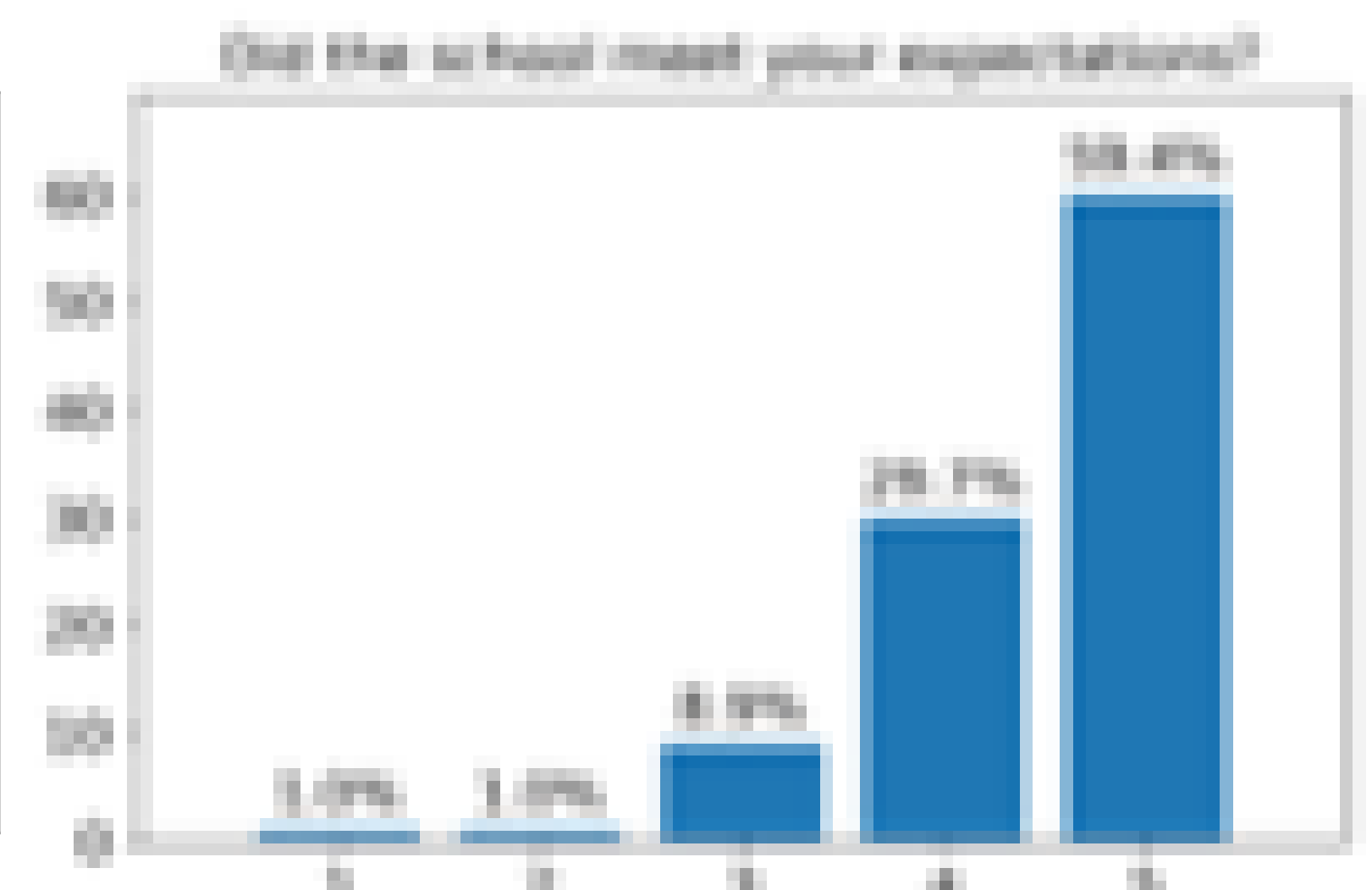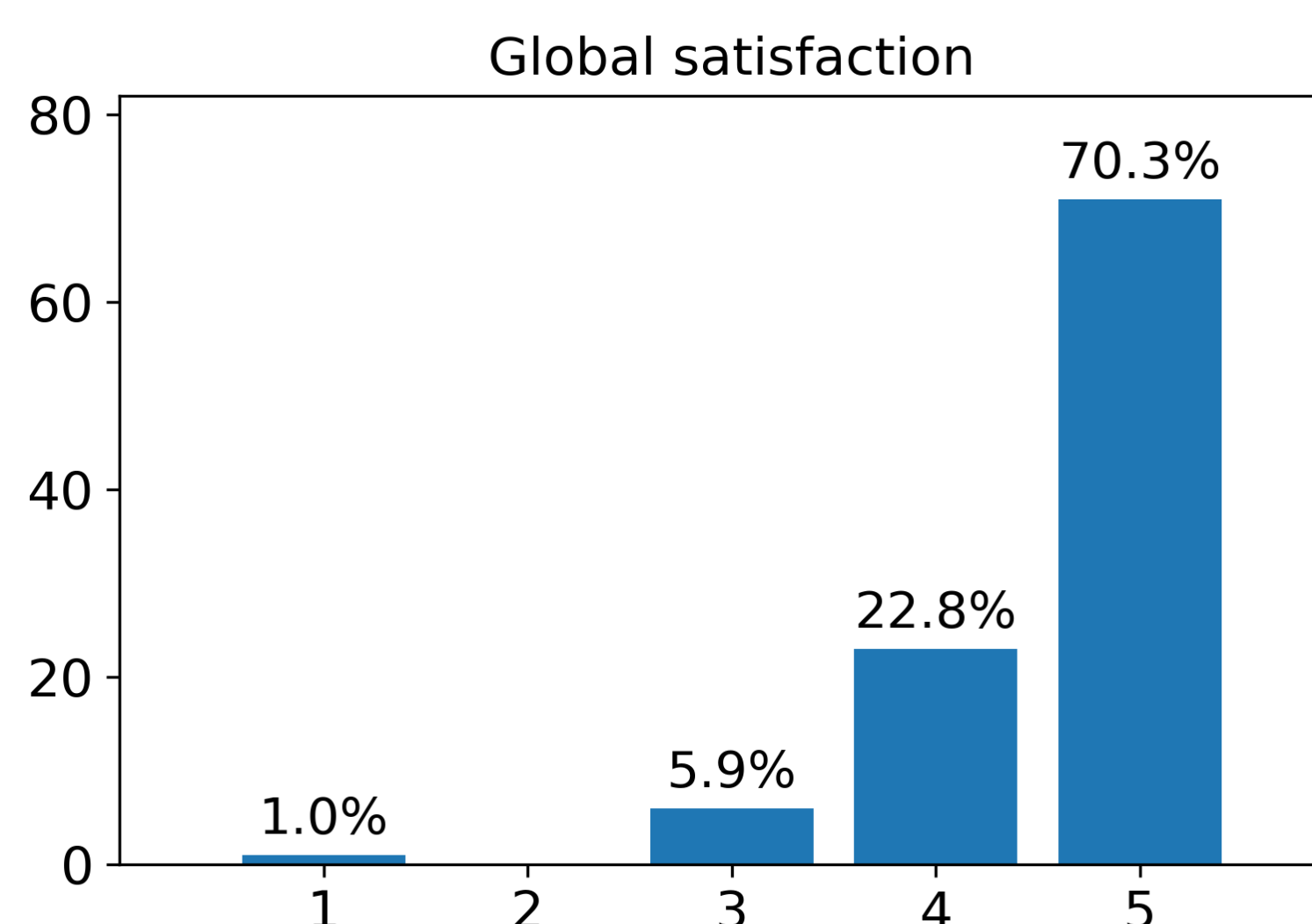
Success of the School

The school reach and success was large, with more than 1000 registered participants, hundreds of active ones during the school and a very high level of satisfaction.
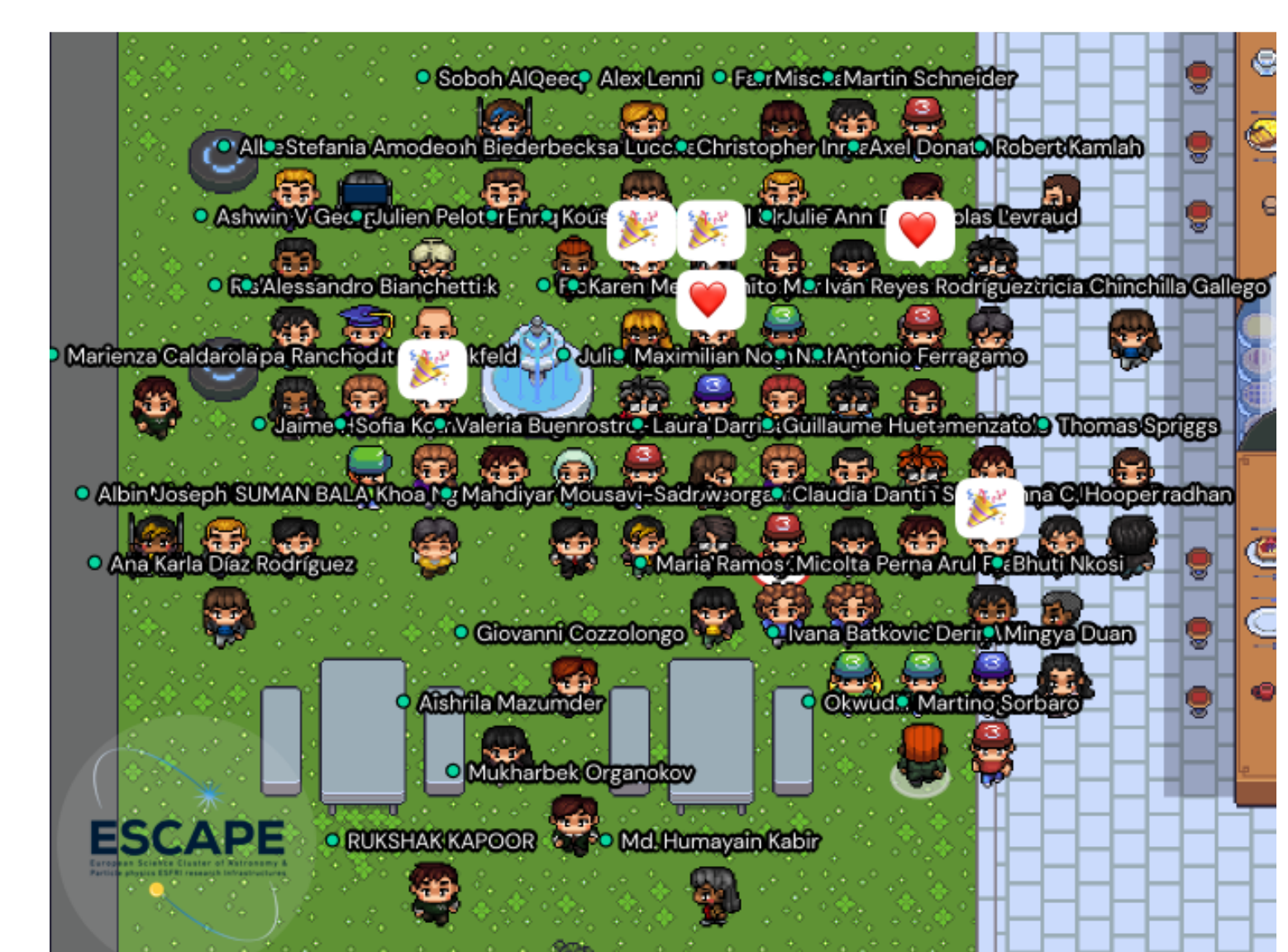

ESCAPE Summer School 2021
1000 Participants from all over the world
Videos with 2.8k views
302 Certificates provided
375 Registrations on Exam Platform

Global satisfaction
1.0% (1), 5.9% (3), 22.8% (4), 70.3% (5)

Future editions

Leveraging the lessons learned from this online school, a hybrid organisation is envisaged for future editions (June 2022, stay tuned)!

Virtual group picture from happy participants.