



Hackathons, workshops and other events



Jani Kalasniemi
Prototyping Viking @ Ideasquare, CERN



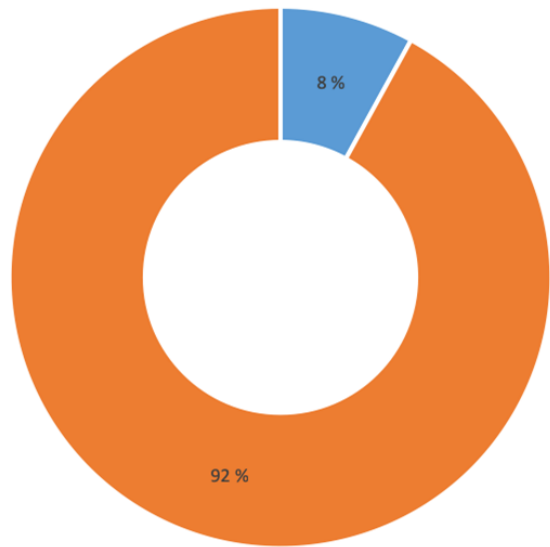
Ideas^s

Activities in total @ Ideasquare

<u>Year</u>	<u>Total</u>
2017	100
2018	154
2019	109

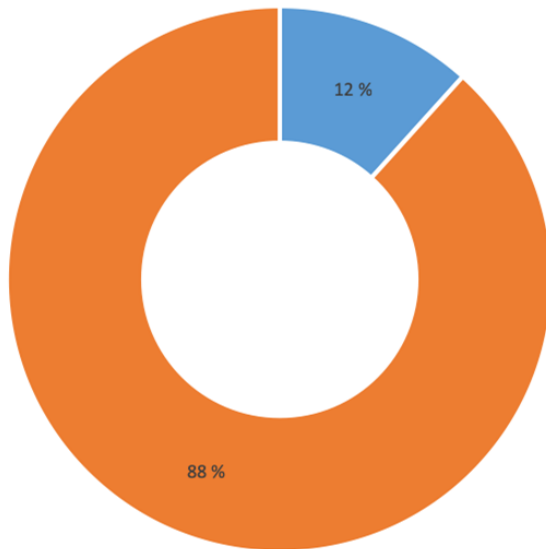


2017

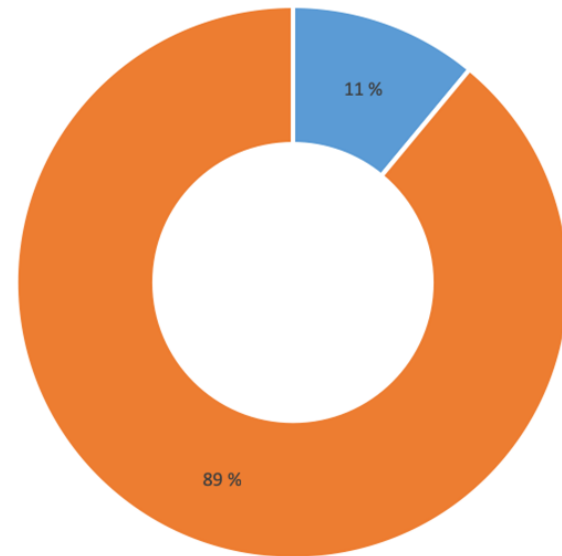


Open vs. CERN internal

2018

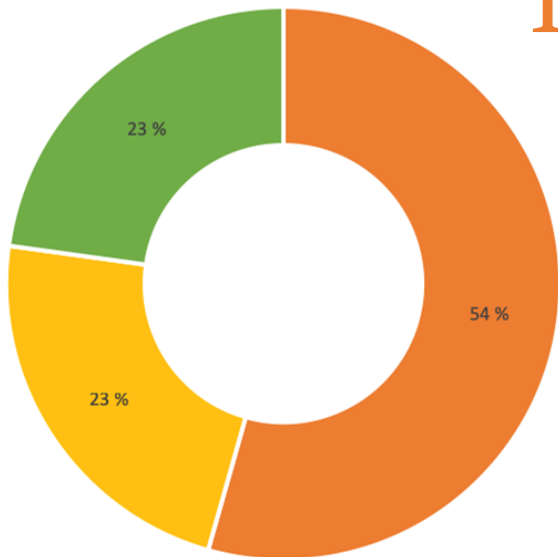


2019

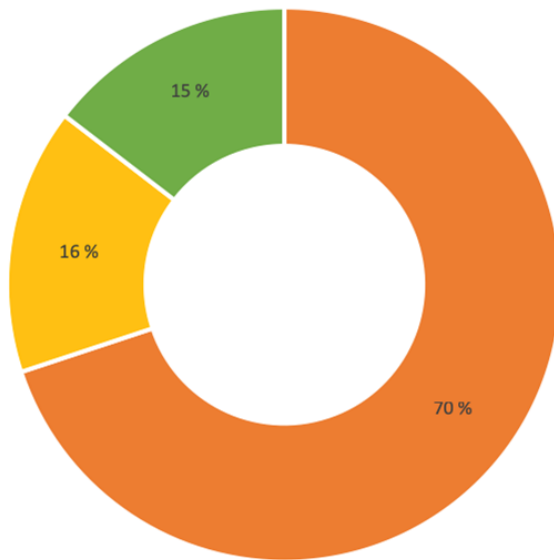


1-2 days, 3-4 days or 5+ days

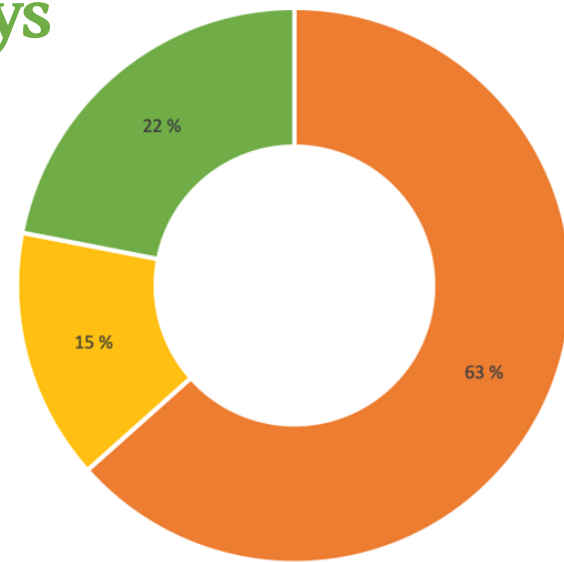
2017



2018



2019



Hackathons @ Ideasquare

Ideasquare is helping the hackathon organizers but usually not responsible for the event. This means that the hackathons have a lot of variety in the topics and themes. This also increases serendipity. CERN internal hackathons are usually project related hackathons (for example LCHb hackathon). The Port is the oldest hackathon organizer at Ideasquare.

An average hackathon is 3 days long (2017 & 2018: 3 days, 2019: 4 days)

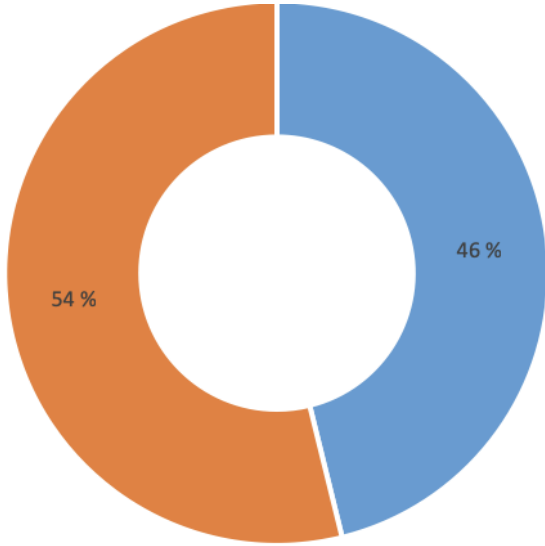
Hackathons @ Ideasquare

<u>Year</u>	<u>Total</u>
2017	13
2018	14
2019	12

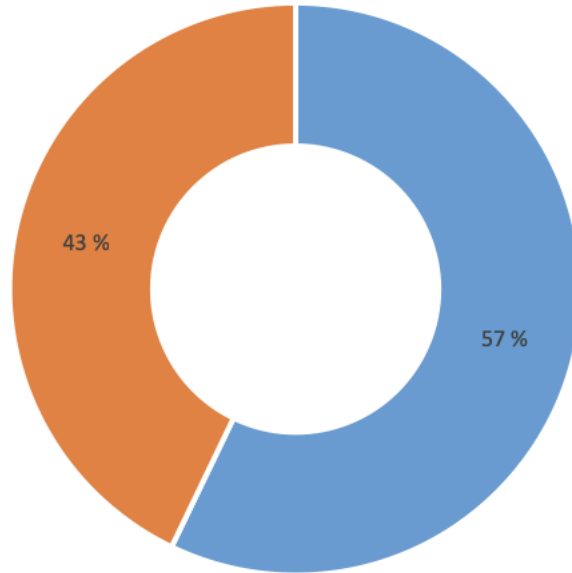


Open vs. CERN internal

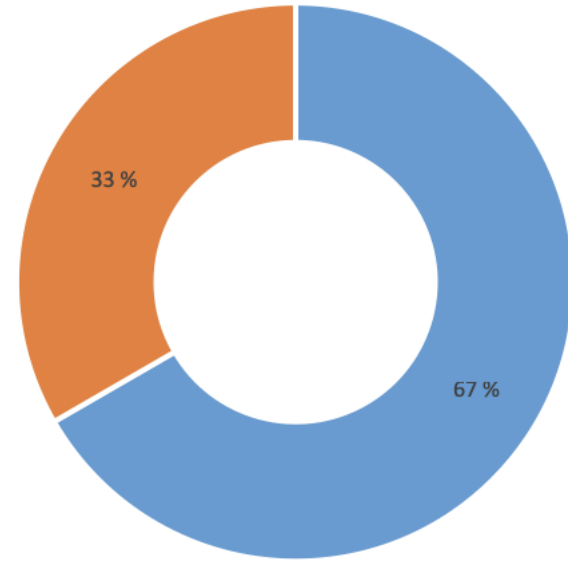
2017



2018



2019



Workshops and Events @ Ideasquare

Workshops and events held at Ideasquare differ greatly and are everything from few hours to 3 days long. Topics and themes vary from programming to building and from cooking to finding new solutions to everyday problems. Most of the topics are somehow related to sharing experiences.

No need for advertising: normally 3 requests per week to use Ideasquare spaces.



Ideasquare hands-on workshops

Mechatronics

One day workshop teaching the basics on how to use Arduino IDE together with Teensy microcontroller. After the basic introduction each group will design and build their own tangible game with LEDs and buttons as the user interface.



Ideasquare hands-on workshops

A photograph of a workshop table with various 3D printed objects. In the foreground, a hand is working on a small black component. To the left is a white 3D printer. In the center is a red, textured 3D printed part. To the right is a white box containing a yellow 3D printed part. The background shows more 3D printed parts, including a white one and a blue one. The text is overlaid on the image.

3D printing

Two day workshop to teach participants basics of 3D modeling and 3D printing. Introduction to different 3D printing methods and techniques with tangible examples. During the course participants model their own 3D printable part and see it transform from virtual to reality. This year planning to have also shorter one day workshops with the focus on teaching only how to use a 3D printer.

All you need is

..Love + PHYSICS

..Design

..Business

..and Engineering.

Questions? Comments? Ideas?

Contact information:

jani.kalasniemi@cern.ch

+41 75 411 41 01



Idea^s