



HK Unicorn Squad

Slides made by Liis Koser,
HK Unicorn Squad project manager
liis@unicornsquad.ee
www.unicornsquad.ee

Presentation by Lilia Grozovski,
programme coordinator
Estonian Research Council
Lilia.grozovski@etag.ee
www.etag.ee

Helena Kotka,
Unicorn

Liis Koser,
project manager



Helena's father Taavi



Helena's mother Kerstin



Foto: Tiina Kõrtsini

Problem 1: according to [Eurostat](#), only 21.8% of tech specialists in Estonia are women

Problem 2: strong gender inequality in taking extra STEM courses outside school between ages 7-12 (for every 10 boys there is 1 girl)



Long term goal:

- + Increase the amount of girls, who choose ICT related speciality as a career.

Short term goals:

- + To lessen girls' fear of technology.
- + Increase girls' interest to technology and robotics already in early ages.
- + Measure scientifically if "girls only" approach has a different effect compared to mixed classes.

2018 – that is how we started



2022 - the first graduates



Facts:

- + After an initial phase, we tested the scalability model with 16 groups (ages 8-14) all around Estonia.
- + Mostly rural areas and far from the capital, to understand the complexity and cost of logistics.
- + No technical skills are needed to run a separate “girls only” group.
- + Unicorn Squad provides free of charge: lesson materials + unicorn hoodie + summer-camp + Robotex

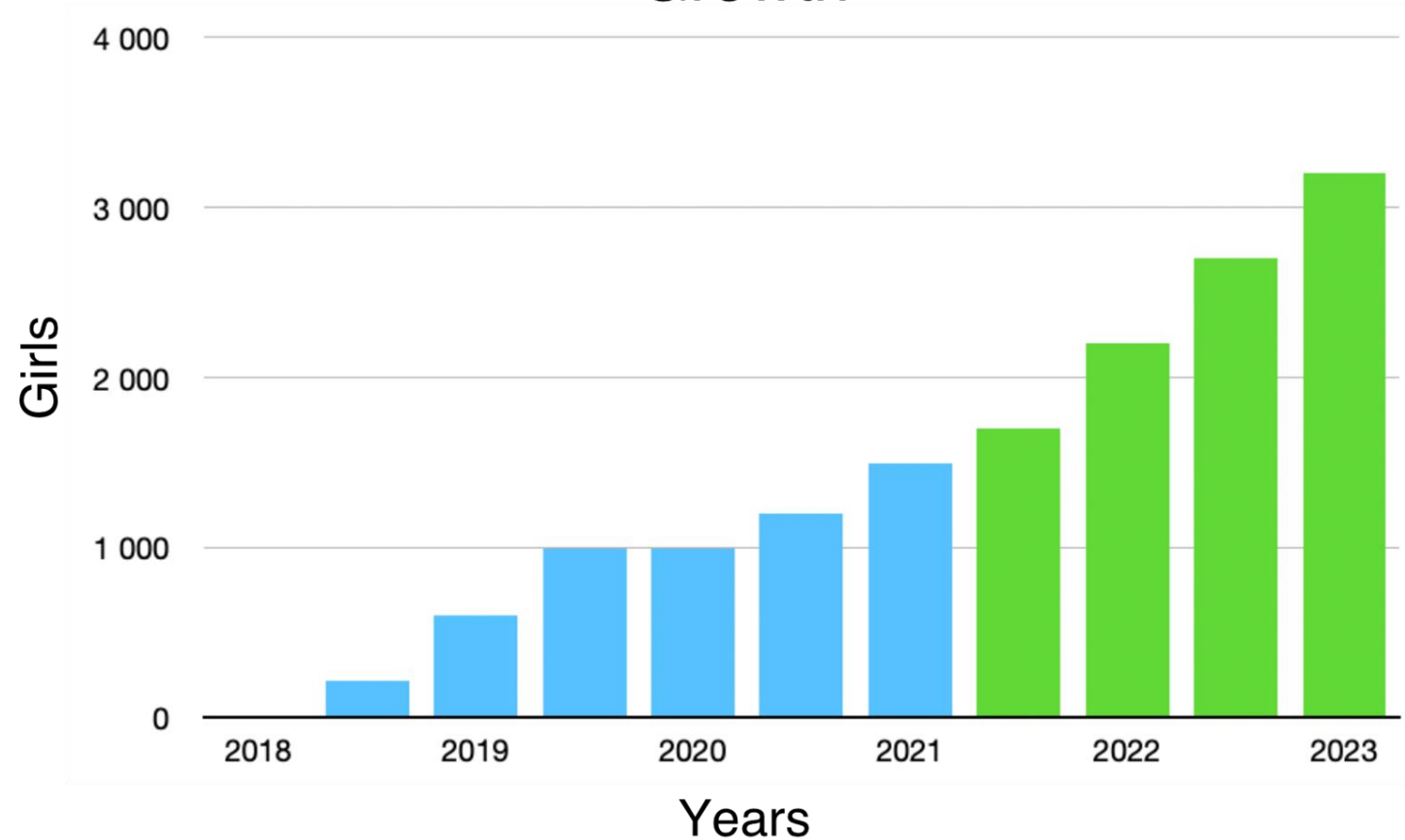




HK Unicorn Squad in numbers:

- + 2018 – pilot-group with 17 girls
- + Currently – 2200 girls
- + Goal: 3000 girls by 2023

Growth



An example of the box that goes to mentors and the group of girls every week



An example of the sound lesson



This is what they
look all around
Estonia:











Examples of the lessons can be found in Youtube: search
“HK Unicorn Squad”



First 3-day summercamp with Estonian ex-President



One day summer camps 2020 and 2021 because of Covid



2022 3-day summer camp with 400 girls



Pilot-project Unicorn Squad's lessons at schools



- + 1-year pilot-project
- + 40 academic hours
- + 5 schools in Estonia
- + 128 students - 74 girls, 54 boys
- + Grades 2 - 5 (ages 8 - 11)
- + Lessons are given for boys and girls separately.





THANK YOU!

HK Unicorn Squad homepage: <https://unicornsquad.ee/>

HK Unicorn Squad Facebook: <https://www.facebook.com/HKUnicornSquad>

Lilia Grozovski,
mother of 5-years-old future Unicorn!

Lilia.grozovski@etag.ee

www.etag.ee