



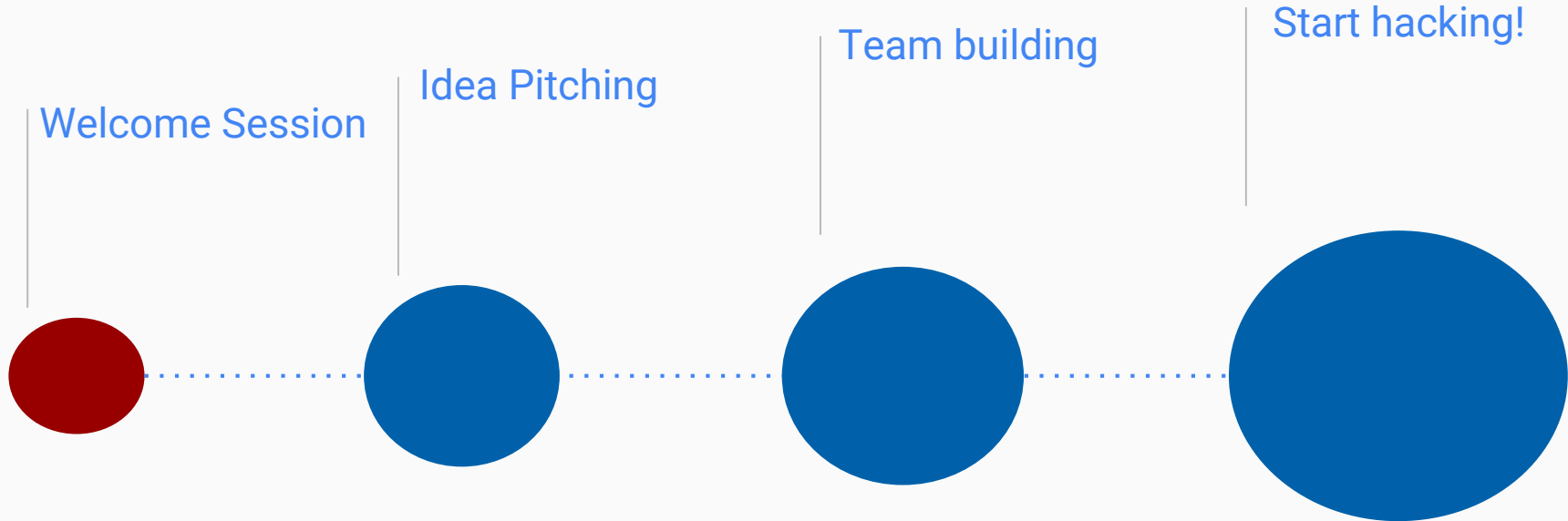
# International Space Apps Challenge

University of Tartu, Estonia  
18th - 20st of October 2019

# Health and Safety

- Exits
- Emergency assembly point
- Toilets
- Building will be closed from 11pm to 8am
- Talk to us 😊

# T-60 minutes





# **NASA Space Apps** Is the world's largest hackathon

# Space Apps History

	2013	2014	2015	2016	2017
Locations	83	95	133	161	187
Countries	44	47	-	-	69
Solutions	770	671	949	1300	2000+

## 2018 IN NUMBERS

**21** CHALLENGES

**1,395** SOLUTIONS  
SUBMITTED

**17,924** PARTICIPANTS INCLUDING

**876** VIRTUAL  
PARTICIPANTS ACROSS

**200** LOCATIONS IN

**75** COUNTRIES



A big **Thank You** to our sponsors and supporters



UNIVERSITY OF TARTU  
Tartu Observatory



TARTU SCIENCE PARK

*25 years Home of Business*



**esa**

business incubation centre  
Estonia

**CGI**



**DATEL**®

EMPOWERING SMART COMMUNITIES



**stickermule**



**SILLE**



UNIVERSITY OF TARTU  
Institute of Computer Science



**Interreg**

Baltic Sea Region



EUROPEAN UNION

EUROPEAN  
REGIONAL  
DEVELOPMENT  
FUND



# VOLUNTEERS



Helena Maarja Lainjärv



Margarita Oja



Liza Vabištševitš



Sigrid Paavle



Mariia Bochkova



Triin Abrams





PASSION LED US HERE



# Dr. Anu Reinart

Director of the Tartu  
Observatory





# Andreas Kiik

Space Program Manager,  
AS Datel

# Your Mentors

**REMOTE SENSING MENTORS**

INTERNATIONAL  
**SPACE APPS**  
CHALLENGE



**Martin Jüssi**  
Director Consulting Services  
Space and Earth Observation  
@CGI Estonia

**Kaupo Voormanskik**  
SAR expert, CEO  
@KappaZeta Ltd

**Bruno Montibeller**  
PhD student in Geoinformatics  
@University of Tartu

# Your Mentors

## DESIGN MENTORS



**Maria Medina**

Human-Computer Interaction  
specialist  
Freelance graphic designer



**Stella Adamson**

Freelance graphic designer

INTERNATIONAL  
**SPACE APPS**  
CHALLENGE

# Your Mentors

EVEN MORE MENTORS :)



**Siim Karus**  
Software architect  
IT Centre, Ministry of Finance



**Mait Lang**  
Senior Research Fellow at  
Tartu Observatory  
Associate Professor at Estonian  
University of Life Sciences



INTERNATIONAL  
**SPACE APPS**  
CHALLENGE



# The Usual Suspects

## THE USUAL SUSPECTS



**Evelyn Uuemaa**  
Senior Researcher  
in Geoinformatics  
@University of Tartu



**Alex Knoch**  
Researcher in Geoinformatics  
@University of Tartu

INTERNATIONAL  
**SPACE APPS**  
CHALLENGE



# Schedule

For reference check on our page at <https://spaceapps2019.ut.ee>

## Friday

Welcome Session  
Dinner 20:00h  
Doors close 23:00h

Lunch 13:00h  
Mentor feedback 15:00h  
Dinner ca 19:00h

## Sunday

Open and breakfast from 8:00h  
Mentor feedback 10:00h  
Pitching Training 12:00h

## Saturday

Open and breakfast from 8:00h  
Doors close 23:00h

All hands down 15:00h  
- cleaning up -  
Final presentations 16:00h

18:00 20:00 23:00 8:00 13:00 15:00 20:00 23:00 8:00 10:00 12:00 16:00 18:00



# **Space Apps 2019 Tartu Participants Facebook Group**

**Wifi: Eduroam & UT-Public**

# Space Apps 2019

## Global Collaborator Offers

talk to us, we have a hand-out

<https://github.com/SpaceAppsTartu/2019>

# Offer from Sinergise

- 30-day free trial to Sentinel Hub
- 1-year free App developers & Enterprise account to winners of local Space Apps events using Sentinel Hub in their projects
- Sinergise is offering Space Apps events the use of Sentinel Hub services for the processing and distribution of Earth observation (EO) data:

Sentinel-1 (GRD), 2 (L1C and L2A), 3 (OLCI and SLSTR), 5P, MODIS L1C and Landsat-8 - global archive

# Offer from Google

- Google is offering Space Apps participants \$300 - \$3,000 free credit\* on the Google Cloud Platform to kick start their projects
- **All participants can receive \$300 in Google Cloud Platform credits by signing up here:**

**<https://cloud.google.com/free/>**

# Offer from Microsoft

- Microsoft is offering credits towards its Free Azure Program:  
**<https://azure.microsoft.com/en-us/free/>** . Each NASA Space Apps participant can create a free account for up to \$200 in credits
- In addition to weather datasets from NOAA, Microsoft also has available Satellite imagery from the Moderate Resolution Imaging Spectroradiometer (MODIS)  
**<https://azure.microsoft.com/en-us/services/open-datasets/catalog/modis/>**

# Local Prizes



Photo by Ariel Besagar on Unsplash





ÖÖRÄNNAK

ADASTI  
PRODUCTIONS

200€

KINKEKAART

0000000

Kehtib kuni: 01.01.2021

Kui ostu maksumus on kinkekaardi omast väiksem, siis vaheraha ei tagastata.  
Kinkekaart ei ole vahetatav raha vastu.

WWW.ADASTI.EU



SÄÄDE  
KINKEKAART

50€

KINKEKAARDI EEST SAAD LUNASTADA  
MIDA TÄHES MEELEPÄRAST  
SÄDE KOHVITEEGIST.

- KOGU SUMMA KORRAGA -
- HILJEMALT 20.01.2020 -



SÄÄDE  
KINKEKAART

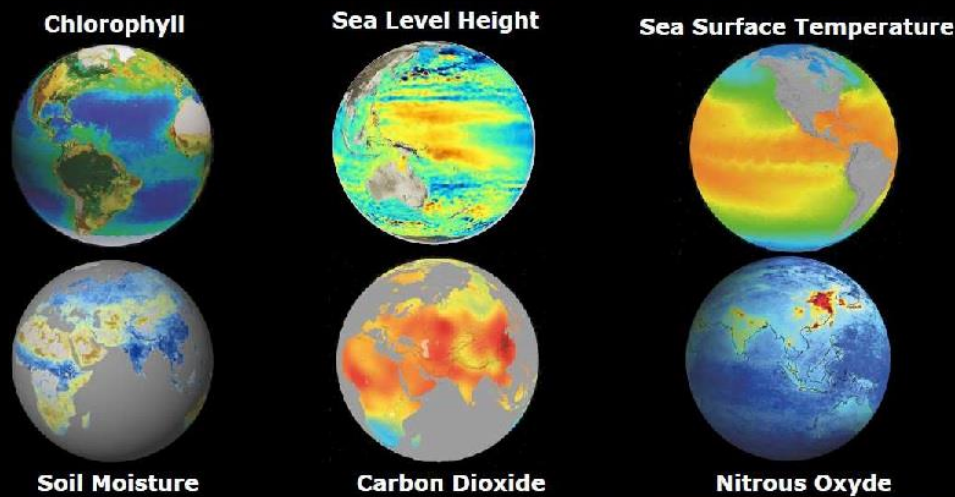
- KOGU SUMMA KORRAGA -
- HILJEMALT 20.01.2020 -



SÄÄDE  
KINKEKAART

TARTU 2019

# 3x ESA BIC Estonia at Tartu Science Park free follow-up pre-incubator program for top teams utilizing ESA data sources





# 3x top Marine Data teams

## #OCEANHACK

22–24 November 2019, Tallinn Estonia

Powered by **Garage 48**

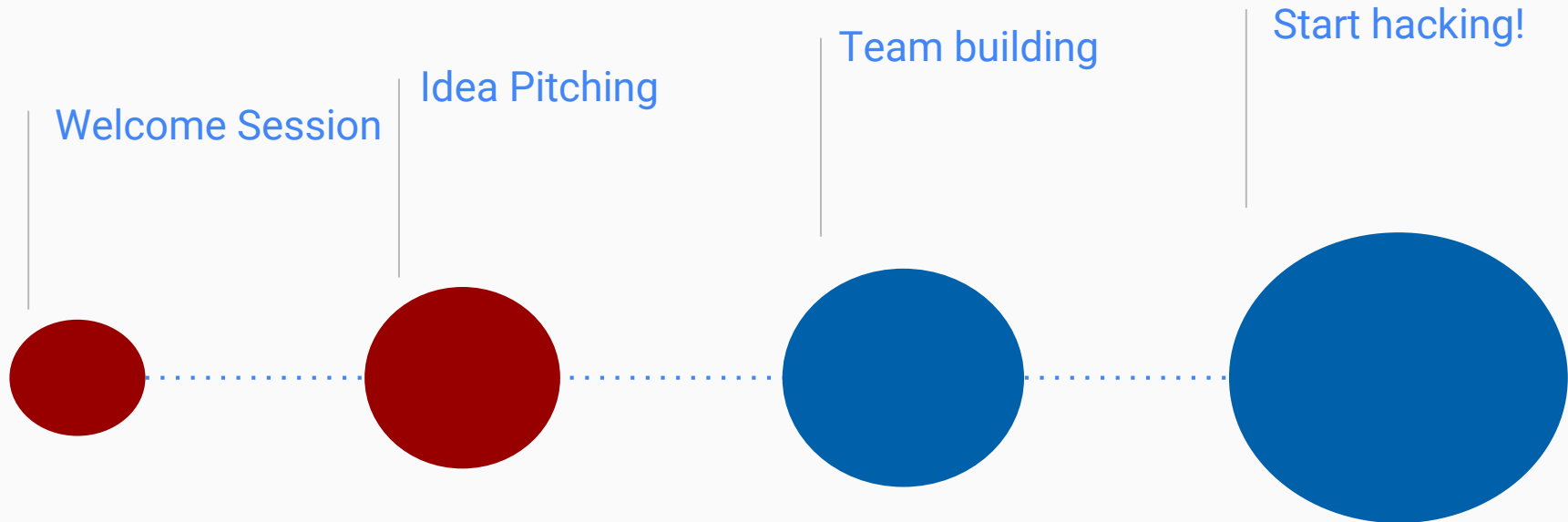


REPUBLIC OF ESTONIA  
ENVIRONMENT AGENCY





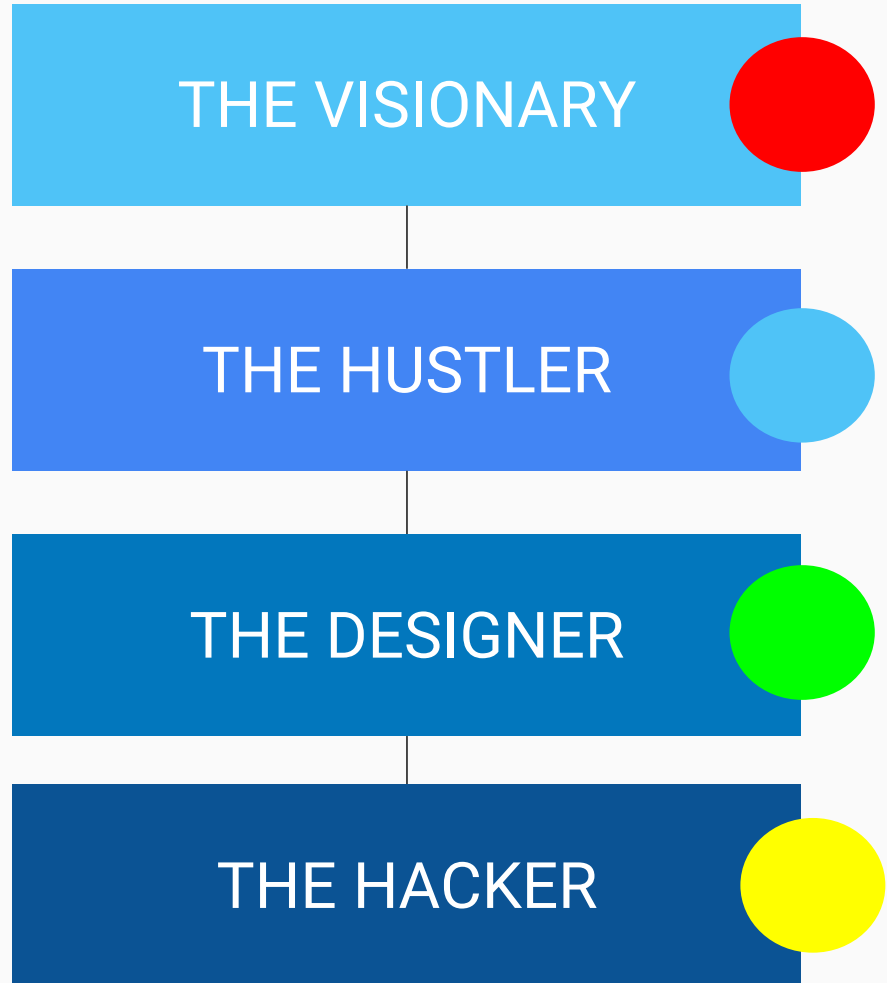
# T-30 minutes



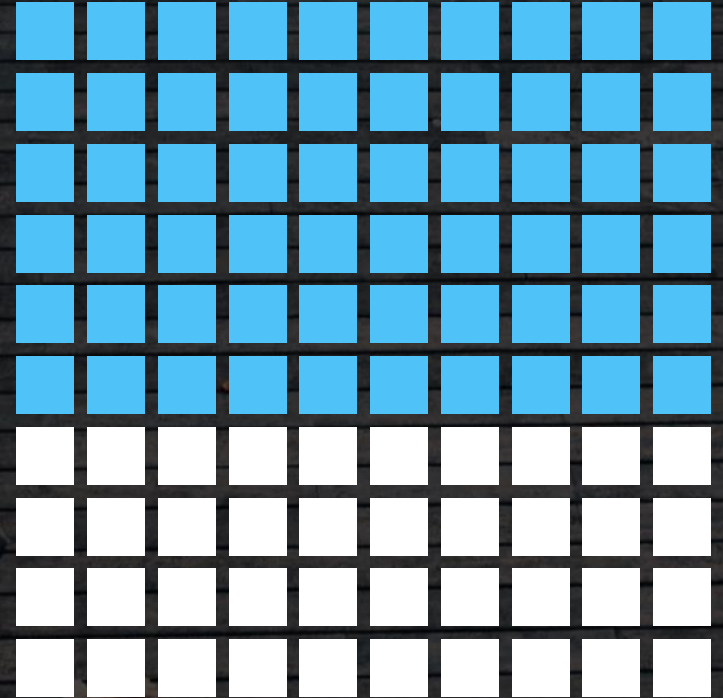
# The Roles

Each team should have at least one member of each role.

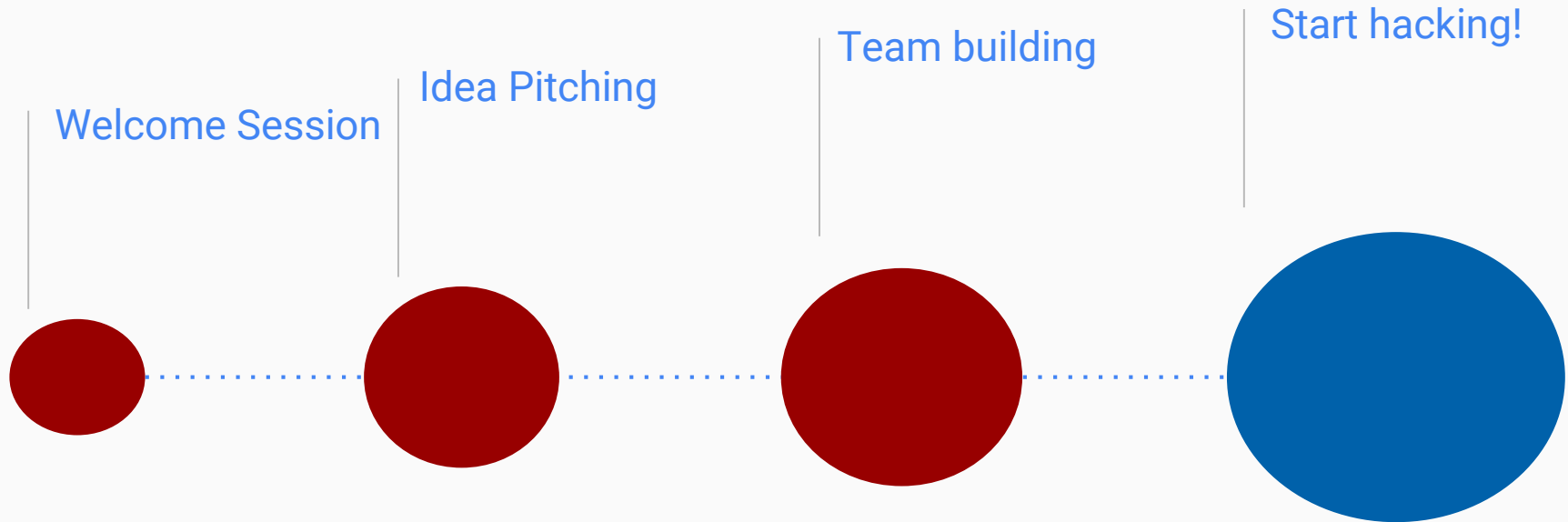
Because you complete each other ...



# Idea Pitching Phase



# T-15 minutes





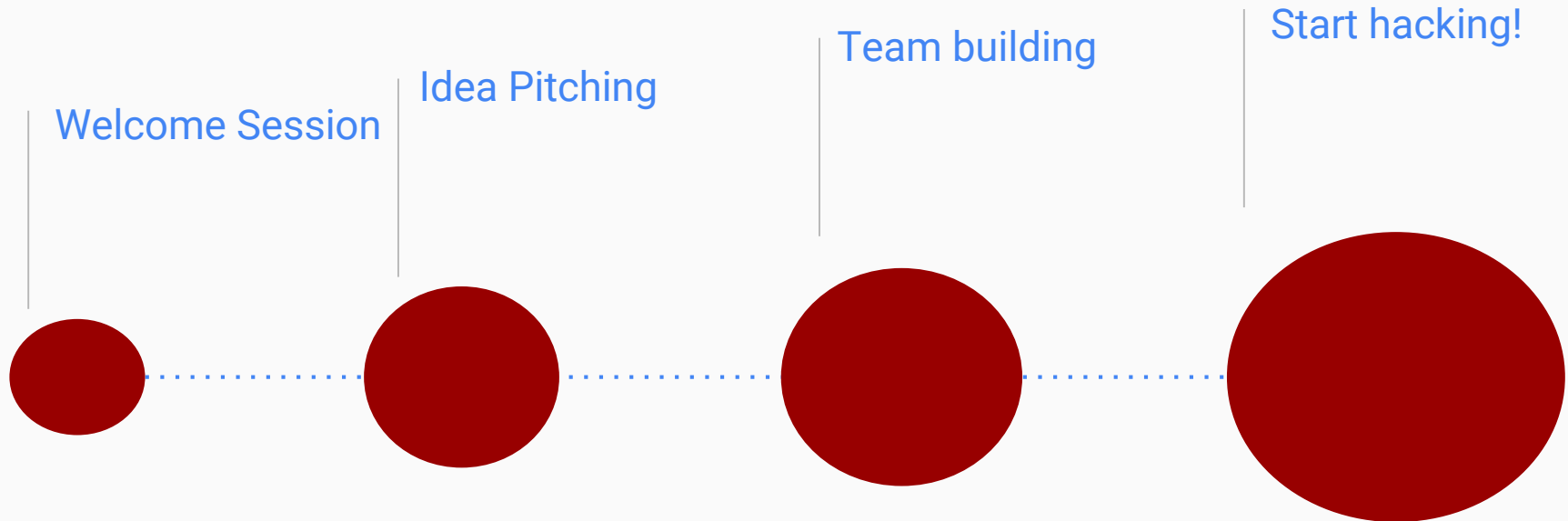


# Team Building Phase

# Let's be part of a global hackathon!



# T-0 minutes - Ignition



<https://spaceapps2019.ut.ee/>

<https://github.com/SpaceAppsTartu/2019/wiki>

Social media handles and hashtags:

#SpaceAppsTartu and #SpaceApps hashtags everywhere 😊

Facebook [@geograafia](#) [@spaceappschallenge](#) [@teaduspark](#)

Instagram [@tartugeo](#)

Twitter [@unitartu](#) [@teaduspark](#) [@spaceapps](#)

Greatly appreciated.

