



# NASA International Space Apps Challenge

University of Tartu, Estonia  
19th - 21st of October 2018

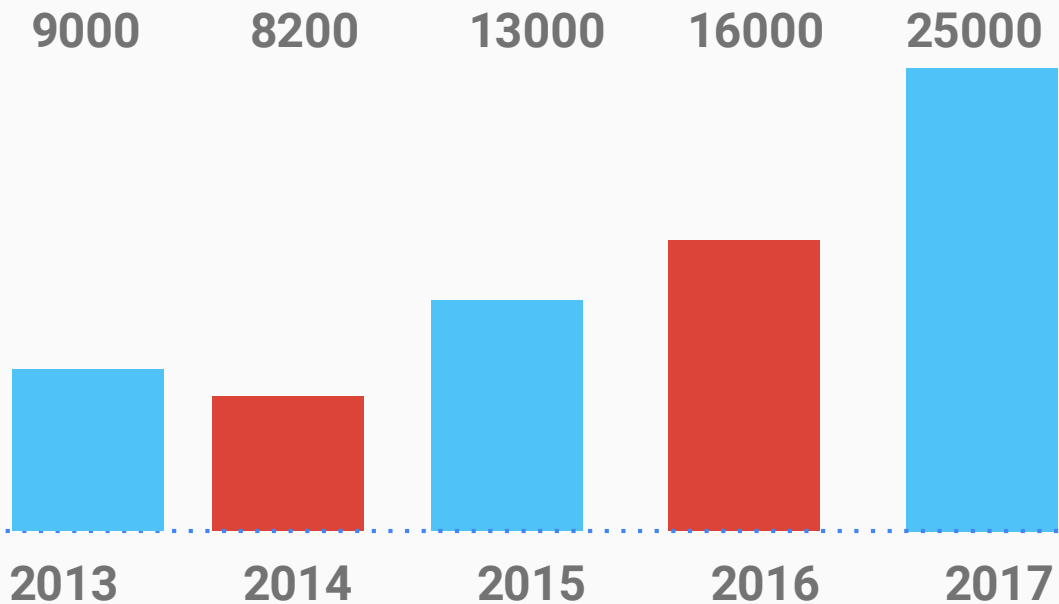


# **NASA Space Apps** Is the world's largest hackathon

## Space Apps History

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

# Number of participants



# The Panel



Tõnu Oja

Professor of Geoinformatics and  
Cartography at the Department of  
Geography, Tartu University,  
Geoinformatics Head of Chair



Martin Jüssi

GIS and Earth observation account  
manager of CGI Estonia:  
A space enthusiast with a  
background in interdisciplinary  
space studies and geoinformatics



Villem Alango

Held roles as Senior Expert with  
the e-Governance Academy and  
co-founder of Datel:  
human aspects of e-society of  
and communicating with  
different audiences

# The Panel



Sherif Sakr

Head of Data Systems Group at  
the Institute of Computer Science,  
University of Tartu:  
Data and information  
management in big data, analytics,  
data science, cloud computing



Mait Lang

Senior researcher at University  
of Tartu, Tartu Observatory,  
Associate Professor at the  
University of Life Sciences:  
Research topics are related to  
remote sensing of forests



Raimond Tamm

Deputy mayor of the city of Tartu:  
City economy, energy  
management, environmental  
protection, entrepreneurship,  
tourism

# Local First Prize

**living planet**  
**symposium** | **MILAN**  
13–17 May  
**2019**





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



UNIVERSITY OF TARTU  
Tartu Observatory

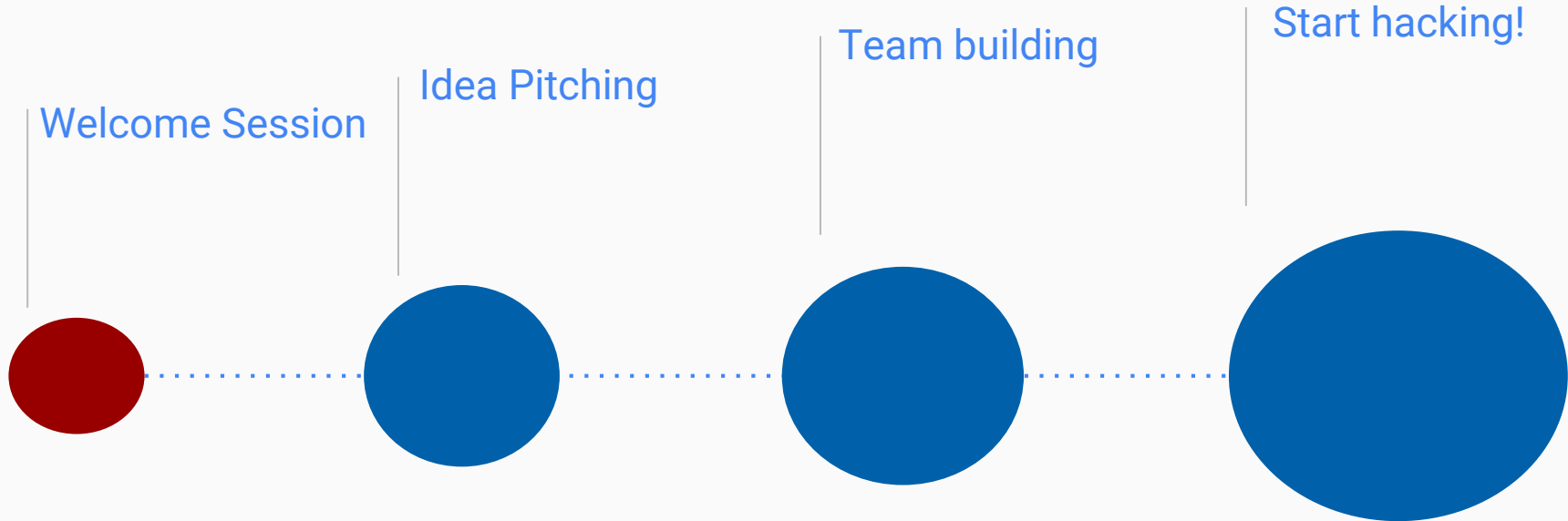
CGI



CYBERNETICA



# T-60 minutes





Martin Jüssi, CGI

# Andris Slavinskis

Research Scientist

Tartu Observatory and NASA  
Ames Research Center

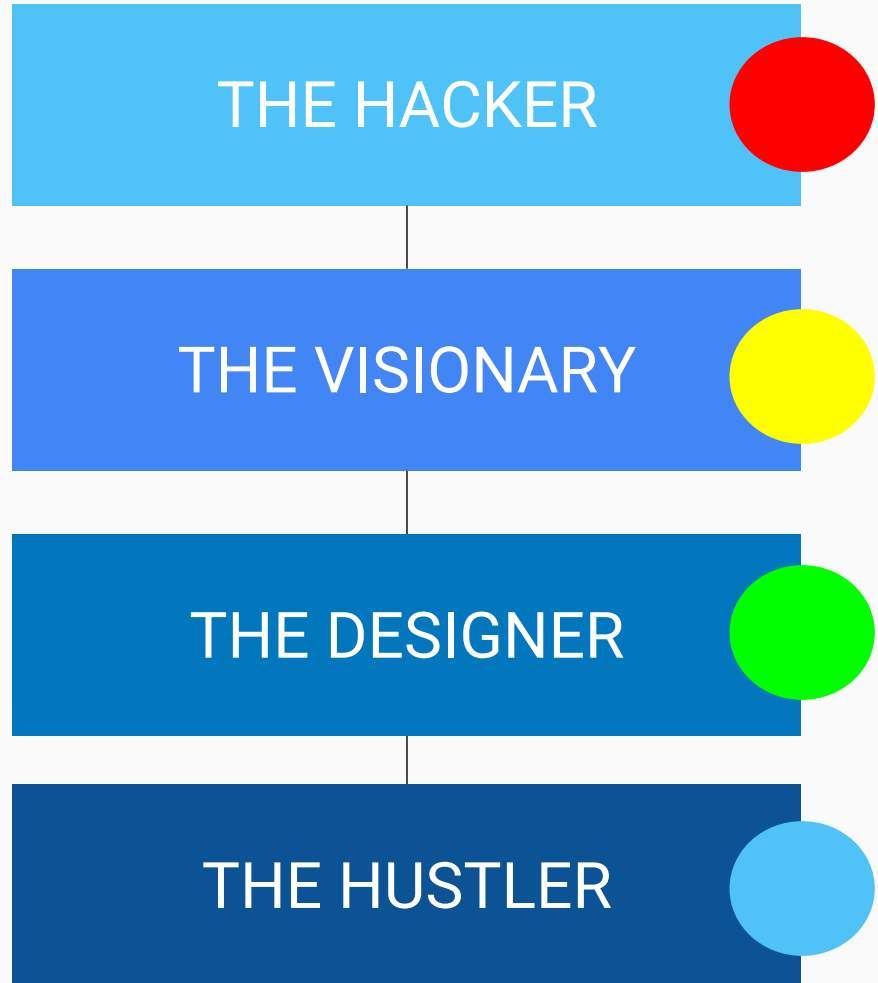
**"Riders on the Solar Wind: Multi-  
Asteroid Touring"**



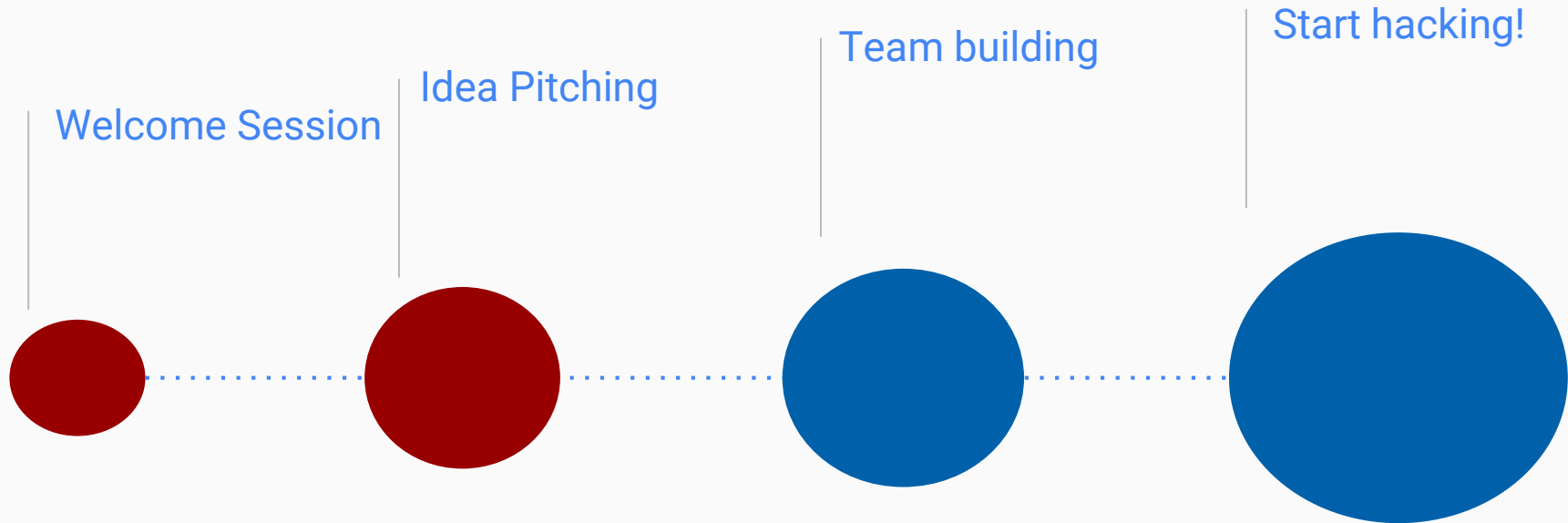
# The Roles

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

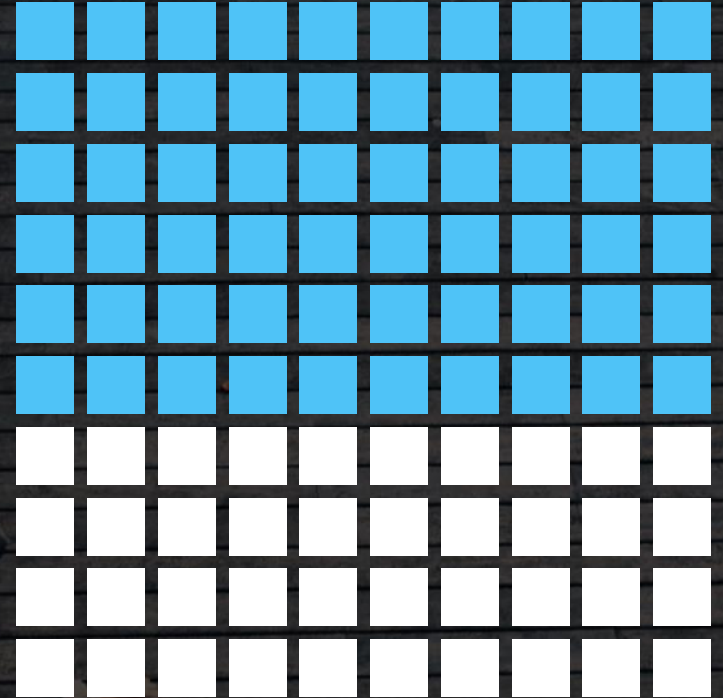
Because you complete each other ...



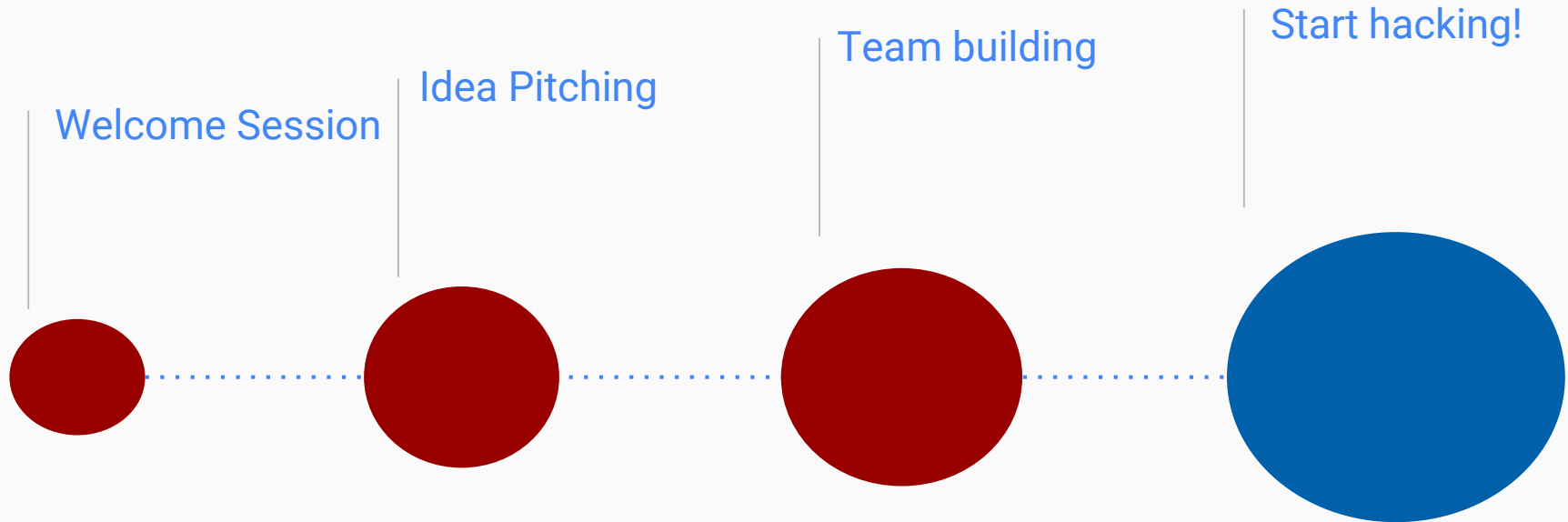
# T-30 minutes



# Idea Pitching Phase



# T-15 minutes







# Team Building Phase

# Your Mentors

## ***Martin Jüssi***

*CGI Estonia: interdisciplinary space studies and geoinformatics, incl. business perspective*

## ***Andris Slavinskis***

*space technology research, nanosatellites, nanospacecraft, small interplanetary missions design and asteroids*

## ***Sven Lilla***

*Sven works every day with the ESA Space Business Incubator program at the Tartu Science Park*

# Your Mentors

***Maria Angelica Medina Angarita***

*ATI (Institute of Computer Science) Human-Computer  
Interaction, graphic design*

***Siim Karus***

*ATI, business intelligence and business process management*

***Kadri Bussov***

*EstCUBE, Satellite technology, financial and marketing skills in  
satellite business*

# Schedule

For reference check on our page at <https://spaceapps2018.ut.ee>

## Friday

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

Lunch 14:00h

Mentor feedback 15:00h

Dinner / Pizza

ca 20:00h

## Sunday

Open and breakfast from 8:00h  
Final presentations 16:00h

## Saturday

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

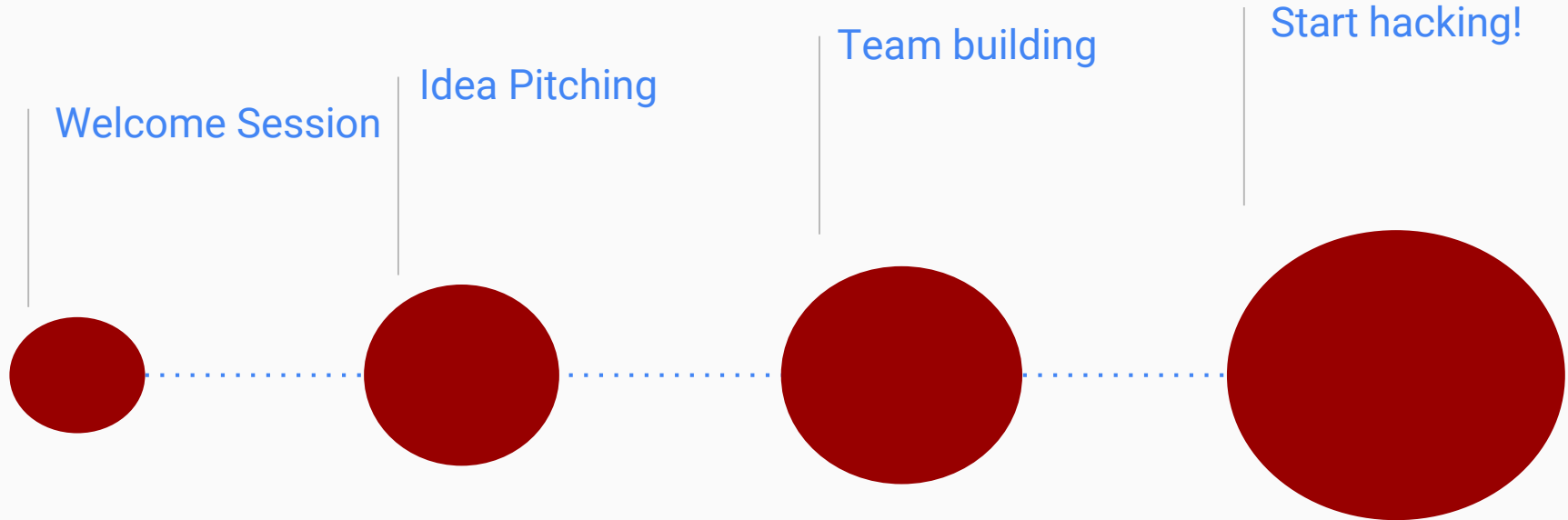
Mentor feedback 10:00h  
Pitching Training 12:00h  
All hands  
down 16:00h

18:00 20:00 23:00 8:00 14:00 15:00 20:00 23:00 8:00 10:00 12:00 16:00 18:00

# Let's be part of a global hackathon!



# T-0 minutes - Ignition



<https://spaceapps2018.ut.ee/>

<https://github.com/SpaceAppsTartu/2018/wiki>



Social media handles and hashtags:

#SpaceAppsTartu @unitartu @UniTartuCS @spaceapps #SpaceApps