

5th SpacE FPGA Users Workshop (SEFUW 2023)

📅 14, 15 and 16 March 2023  
📍 ESTEC, Noordwijk, The Netherlands



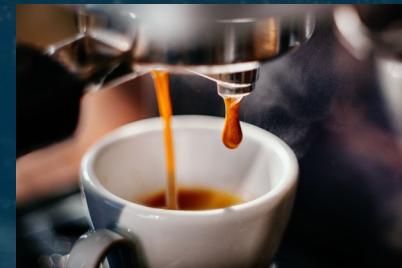
<https://indico.esa.int/event/439/>

# WELCOME TO 5<sup>th</sup> SEFUW – SpacE FPGAs Users Workshop

David Merodio Codinachs, David Dangla  
Silvia Moranti, Lucana Santos, Filomena Decuzzi, Alberto Urbon

ESA ESTEC – 14th, 15th and 16th March 2023

Exchange of highly valuable information and experience among **FPGA users, researchers, Tool vendors and FPGA vendors**



THANK TO SEFUW 2023 SPONSORS



# SEFUW 2023, where we come from

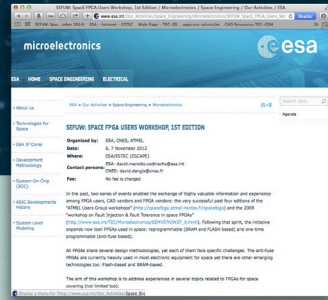
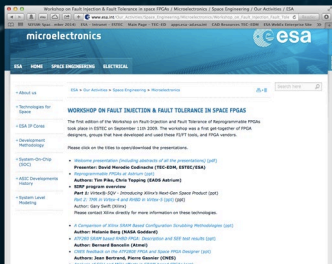


## Precursors

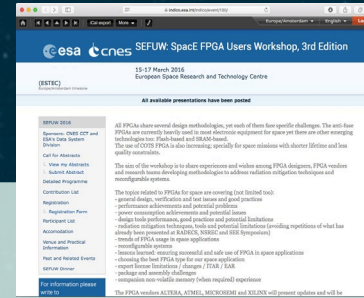
ATMEL Aerospace  
FPGA working group:  
Workshops and  
website



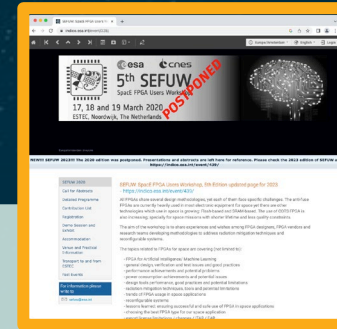
Workshop on Fault  
Injection & Fault Tolerance  
in space FPGAs (2009)



Oct. 2012 ✓



May 2016 ✓

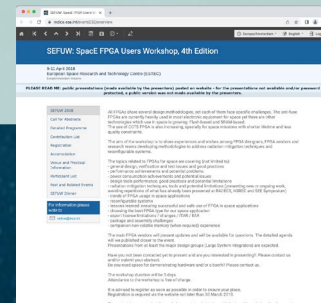


Mar. 2020

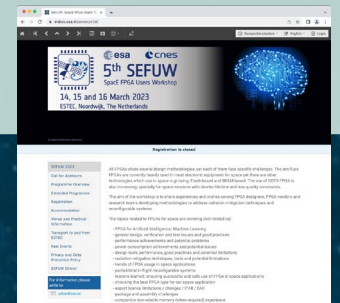
Sep. 2014 ✓

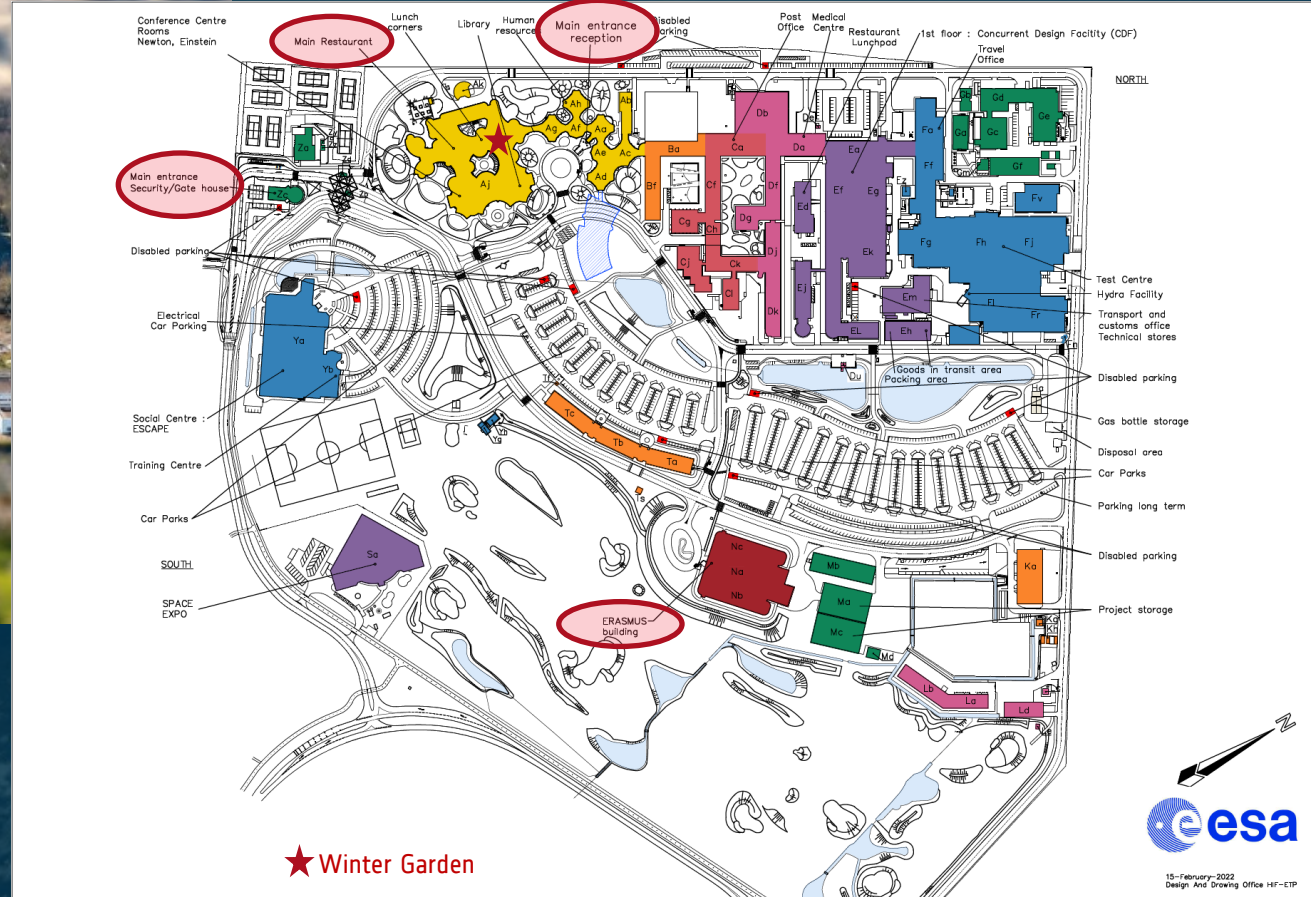


Mar. 2018 ✓



Mar. 2023 ✓



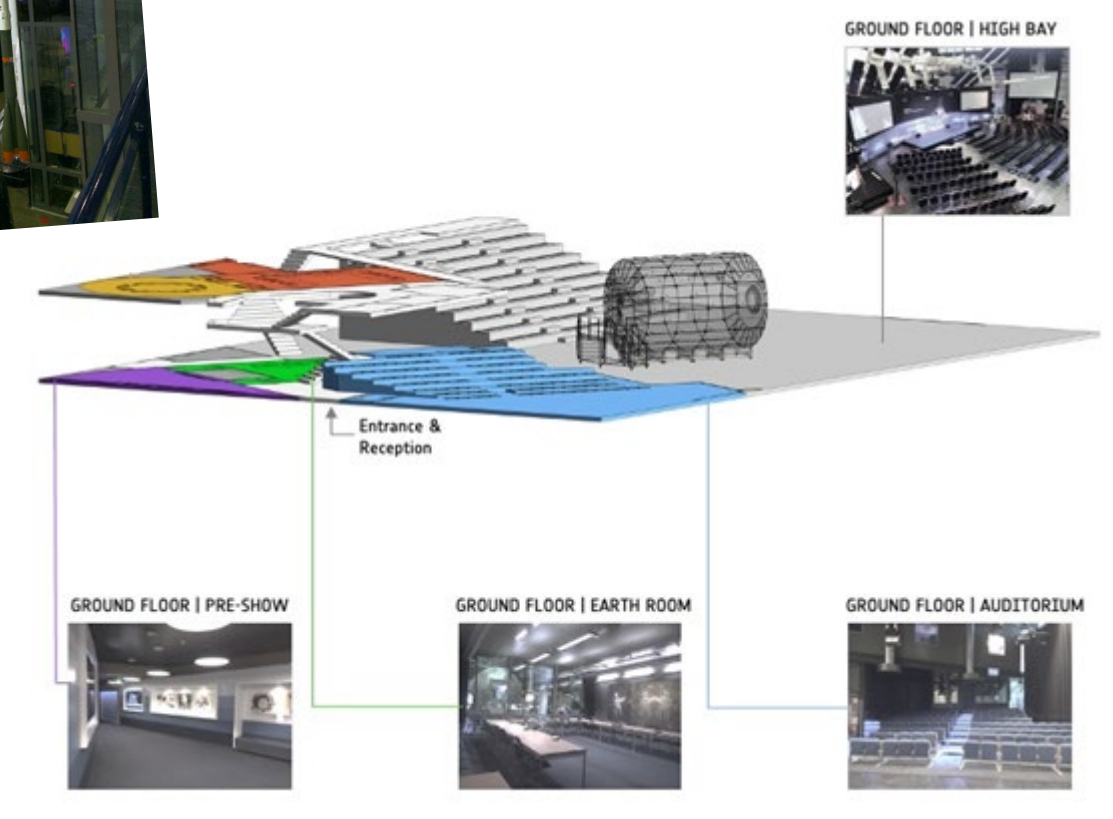
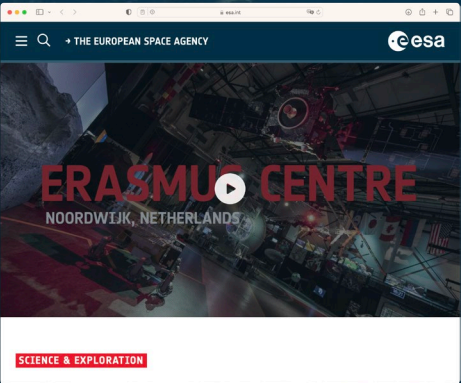


# Venue – Erasmus Innovation Centre

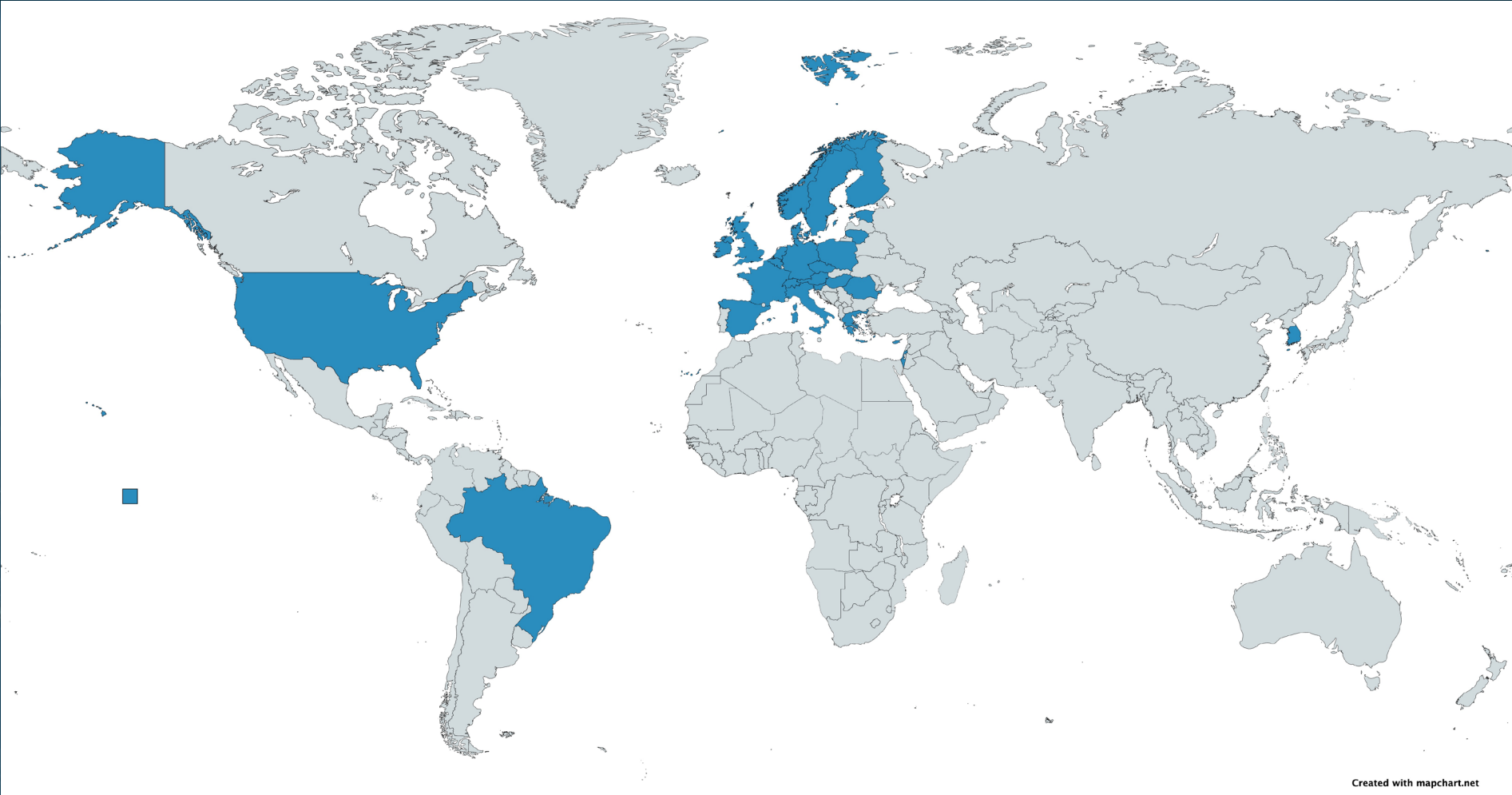


THANK TO ESA COLLEAGUES FROM THE VENUE

[https://www.esa.int/Science\\_Exploration/Human\\_and\\_Robotic\\_Exploration/Research/Erasmus\\_Innovation\\_Centre](https://www.esa.int/Science_Exploration/Human_and_Robotic_Exploration/Research/Erasmus_Innovation_Centre)



# SEFUW participants map



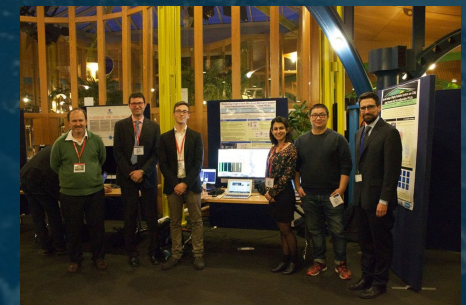
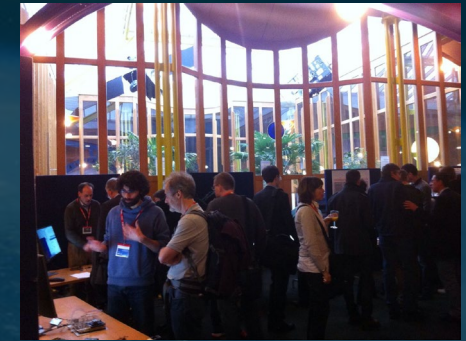
Created with mapchart.net



## Sessions

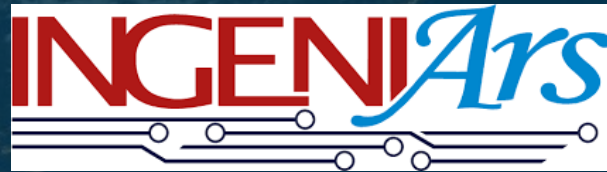
- FPGA Vendors
- Tools Vendors
- Design Flow
- Fault Tolerant Methodologies and tools
- Reconfiguration
- FPGAs: High Performance
- Industrial experiences
- Artificial Intelligence / Machine Learning
- High Level Synthesis and Model Based Design
- Poster session

## Demo session/ Exhibit and Welcome Reception





- Auditorium Booths (during coffee breaks)



# Exhibition & Welcome Cocktail

- Besides Winter Garden on the 1<sup>st</sup> day from 17:00



- Erasmus Bay Hallway / Pre-Show area (2<sup>nd</sup> and 3<sup>rd</sup> days)



- ESTEC restaurant on the 2<sup>nd</sup> Day at 7pm (till 10.30pm)
- Remember to bring the voucher you got during the registration!

- Sponsored by:



THANK TO FRONTGRADE FOR THE  
DINNER SPONSORSHIP

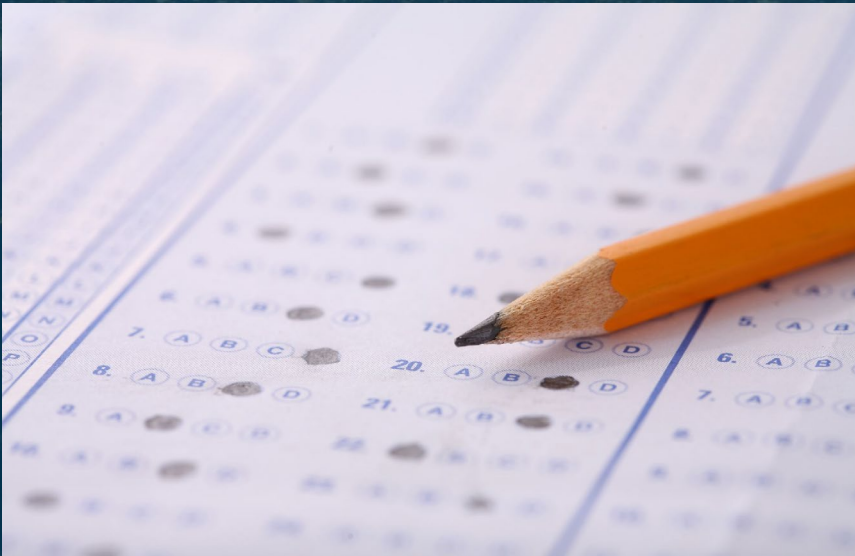
- Oral talks
  - Stay within your allotted time to ensure that all presenters have their time on the program and allow the audience the opportunity to ask questions.
  - Know what to omit if you start to go over your allotted time.
  - Session conveners will manage the allotted time.
- Posters
  - Place your posters on Tuesday morning
  - The posters sessions are during the coffee breaks of Wednesday and Thursday
  - Contact SEFUW local organisers in case of any doubt



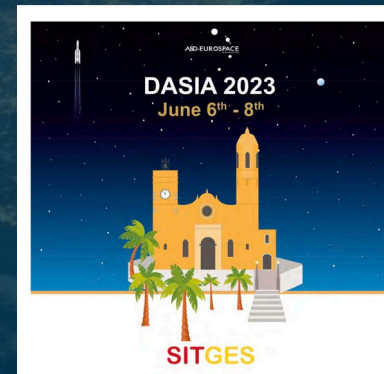
**THANK YOU TO ALL PRESENTERS**

**All presentation will be available next week**

You will receive a survey next week



- **EDHPC 2023 (European Data Handling & Data Processing Conference for Space)**  
2<sup>nd</sup> to 6<sup>th</sup> October – Juan-Les-Pins, France
- **DASIA (Data Systems in Aerospace)**  
6<sup>th</sup> to 9<sup>th</sup> June – Sitges, Spain
- **Single Event Effects (SEE) Symposium  
Military & Aerospace Programmable Logic Devices (MAPLD)**  
15<sup>th</sup> to 19<sup>th</sup> May – La Jolla in San Diego, California



## Safe trips

