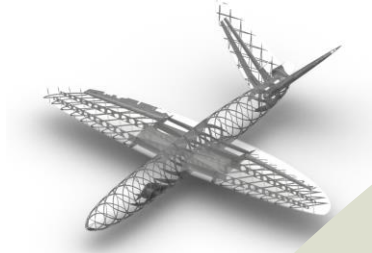


## 3D-printed UAVs

Autonomous Systems research  
showcase and networking event

Mario Ferraro

# Experience



2010  
Start of DECODE  
project

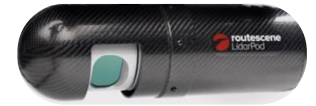
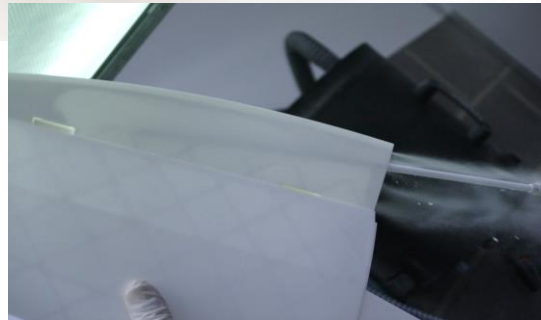
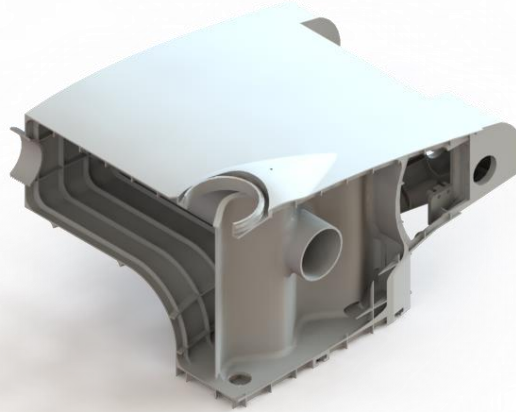
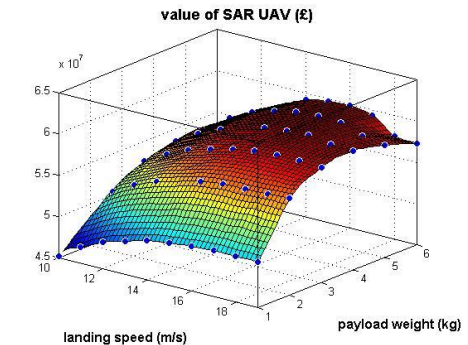
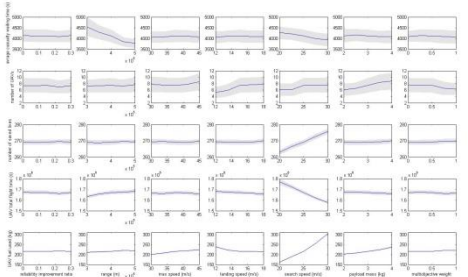
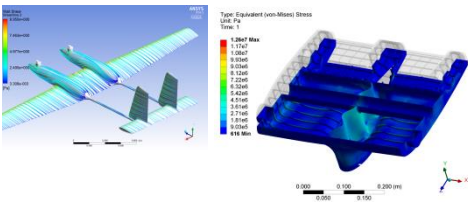
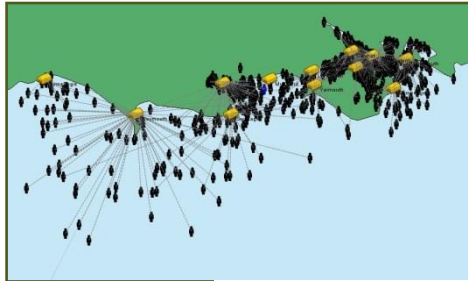
2011  
SULSA – the  
world's first  
entirely 3d  
printed aircraft

2012  
BBC "i-flyer"  
CAA flight  
certificate  
exemption for  
>20kg airframe

2013/15  
2SEAS-3i and  
BERISUAS  
projects

Present  
SPOTTER  
and the  
AIRSTART  
project

# Research Interest



- SPOTTER large fuel tank, generators
- MTOW 35 kg , wingspan 4 m
- Cruise speed: >100 km/h
- Modular payload mounted at CoG (5 kg).
- Quick and easy to assemble (under 5 minutes)
- Highly reliable: no single point of failure
- AIRSTART: BVLOS and Laser Communication
- Endurance (6 h):