Geldrop 2 Ltd.

- Having fun is our main goal!
- Multidisciplinary adventure group
- Team building sessions in downtown bars

Final Design Justification:

- Unique U.M.B.R.E.L.L.A. Design (easy parachute deployment)
- Optimized fin design for the best performance
- TradeOff: Cone vs. coffee cup → keep it simple!

Safety Considerations:

- No animals (or students) were harmed during the trials
- We evacuated 87% of the town population

Innovation:

- Water % from nouvelle simulation methods
- Optimum rocket dry weight defined by graph

Sustainability:

- No space garbage generated
- Rocket can be used as a regular umbrella (quite useful in the Netherlands)

Follow-Up:

- Improve coffee cup shape for better aerodynamics
- Parachute optimization (string length & air pass-by)