

Challenge
1 litre 100 km



Race in June
2012

Prepare yourself now



The challenge

- With 1 litre of petrol cover the distance of 100 km
- A race of handy prototype vehicles (2 seats with a small luggage boot)



Why this challenge ?

- We all know that we must :
 - Save on fuel because the shortage of oil is close
 - Reduce our CO₂ emissions
- In France a car (on average) :
 - consumes 7 litres per 100 km
 - emits 160g of CO₂ per kilometer
- The goal is to do much better !
 - 1 litre per 100 km
 - 27g of CO₂ per kilometer





Who can compete ?

- The challenge is opened to student teams of all countries
- A team can gather students of several universities or schools, ideally being competent in technology, design and business to find sponsors.
- It can also be possible to try find these competences or sensibilities in the same university or school
- The person signing the design can be a student or a professional (but in that case the vehicle will not compete for the *design prize* but for the race).
- Participants must be 18 or more and have a valid student card on the first day of the competition



When and where ?

- The challenge is following university schedule
 - Pre entry opened end of september
 - Entries starting on the 15th of october
- Race in **June 2012** during 3 days
 - Day 1 : Free runs
 - Day 2 : Qualifying rounds
 - Day 3 : Race and awards ceremony
- Located close to Nancy near the French/German border. We are willing to encourage entries from all over Europe





Vehicles' characteristics

- The competing vehicles must be compliant with the challenge rules ensuring equity and safety
- The fuel used is regular fuel
 - Unleaded 95 petrol
 - Diesel
- Vehicle dimensions
 - Length : from 2.2m to 3.5m
 - Height : from 1.1m to 1.4m
 - Width : from 1.2m to 1.5m
- Weight (without the pilot) : from 225kg to 275 kg
- Hybrid propulsion is naturally allowed. The energy used to cover the 100 km must only come from the litre of petrol (or its equivalent in diesel).



The stakes

- Design the small 4 wheel vehicle with « *2 and a half seats* » of the 21st century
- This race offers a promotional platform to this vehicle by proving it works
- This small size vehicle should impose itself for ecological and economic reasons :
 - Oil scarcity (very soon)
 - Climate warming (reduction of CO₂ emissions)
 - Economic crisis (that will unfortunately last)
- Its entrance in the mobility scenery will take a few years but starting early is always an advantage



Designers, engineers, technicians, students, investors, journalists... you can participate in this fun, innovative, technical and over all exciting adventure



More information

- Meet the challenge on the internet
 - www.1litre100km.com
 - [Twitter.com/1litre100km](https://twitter.com/1litre100km)
 - [Facebook.com/1litre100km](https://facebook.com/1litre100km)

- Contact
 - Jean-Luc Wingert
 - wingert@1litre100km.com
 - +33 6 60 10 01 96

- students@1litre100km.com