

WP4

Summer schools and road transport research laboratories





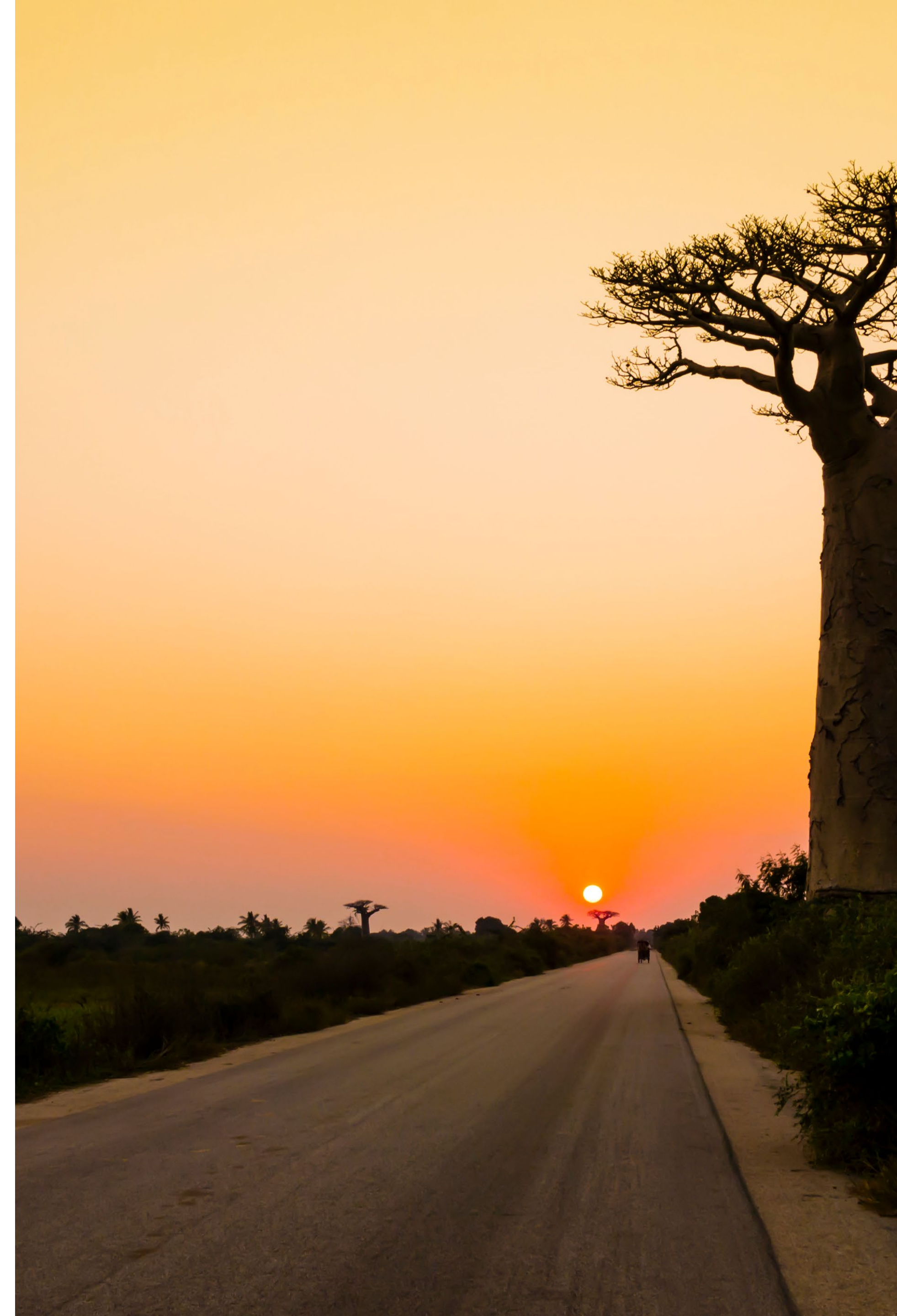
Co-funded by
the European Union



Bauhaus-
Universität
Weimar

Main objectives

- Training of teachers and students at European universities.
- Purchase of equipment and software for road transport research laboratories.



The main objectives will be achieved through:

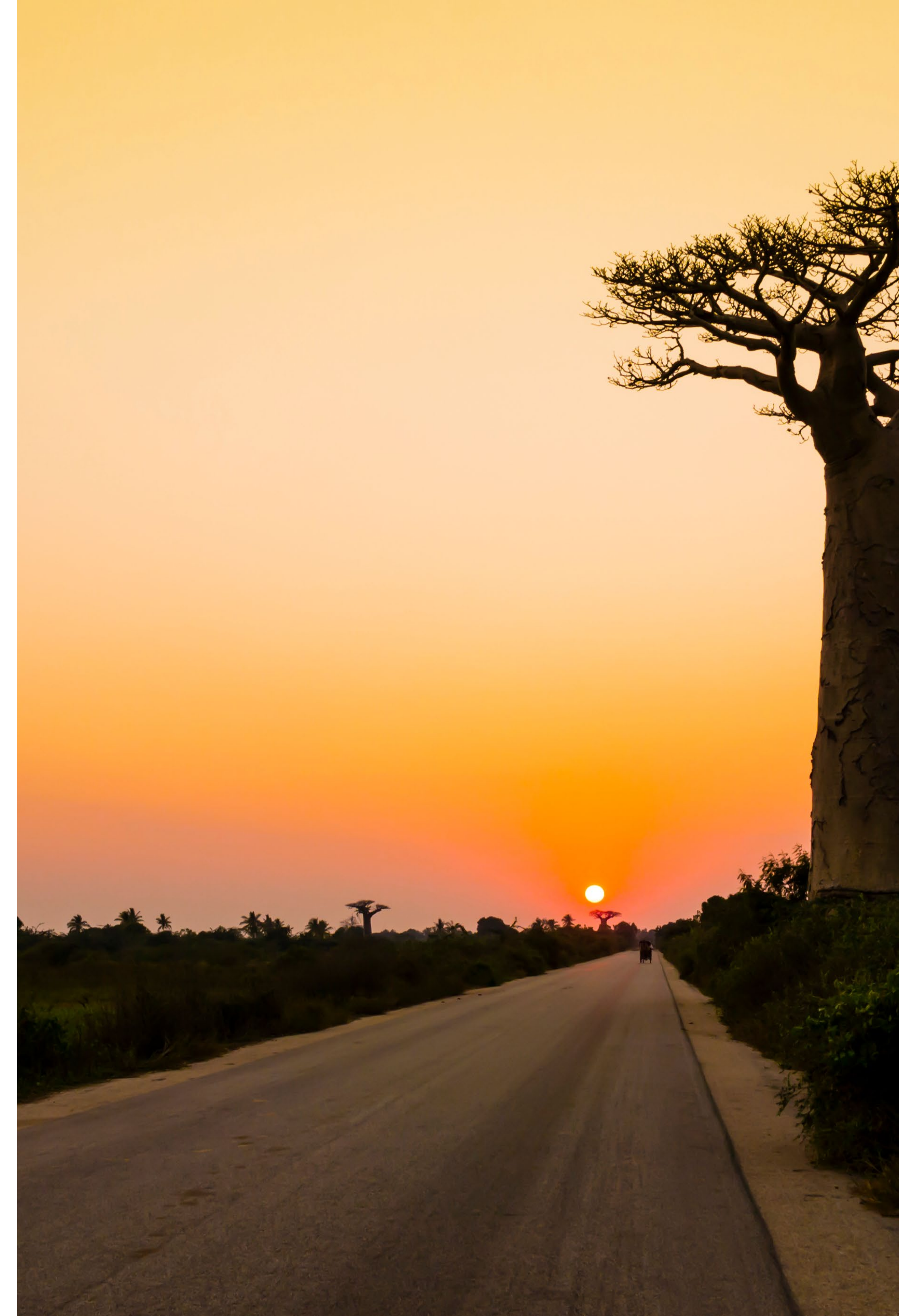
1. Train the teachers on the advanced software (PTV Visum, Vissim, Viswalk, HCS)
2. Participation in study visits at European road engineering, management and safety institutions,
3. Participation in the regular lectures at EU universities,
4. Training on the modern teaching techniques,

The main objectives will be achieved through:

5. Training divided in practical and theoretical lectures,
6. Using advanced equipment to research on the road sections, pedestrian crossing ect.
7. Using software to prepare transport analysis,
8. Visiting the road transport research laboratories at GUT and AAU.

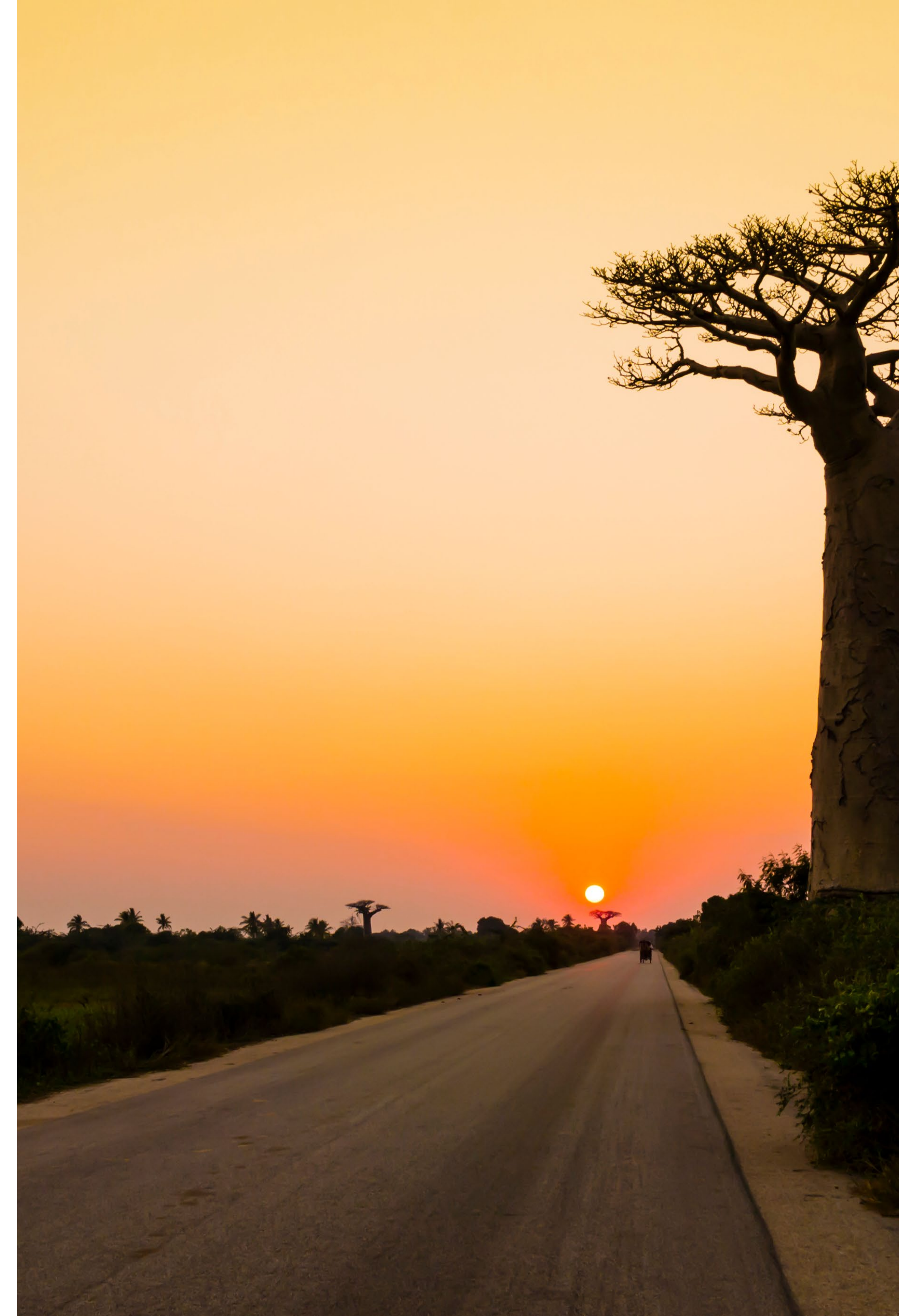
4.1 Summer school in Poland

- An 8-day training in Gdansk will be conducted as part of a 1st Summer School.
- Scheduled to come with 2 teachers and 3 students from each of the universities from DR Congo and Cameroon.
- It is planned to conduct stationary, and field classes on selected sections of roads, streets. Visits to companies, road authorities are also foreseen as elements of practical knowledge used in modern transport systems.



4.2 Summer school in Austria

- An 8-day training in Klagenfurt will be conducted as part of a 1st Summer School.
- Scheduled to come with 2 teachers and 3 students from each of the universities from DR Congo and Cameroon.
- It is planned to conduct stationary, and field classes on selected sections of roads, streets. Visits to companies, road authorities are also foreseen as elements of practical knowledge used in modern transport systems.



4.3 Development and road transport laboratory equipment

- The development of modern laboratories used in transport systems.
- The laboratory will be equipped with types of software: paid and free licenses - open-source software.
- Freeware: QGIS, SUMO, GIMP, Active Presenter, Autocad, Freeval, SPD_CAL, MSTEams, Microsoft 365 Online, Bands, Kenpave (Kenslab i Kenlayer),
- Paid: PTV visum, Vissim, Viswalk, Vistor, Highway Capacity Software.



Challenges

- Postpone a summer school in Poland



Challenges

Prepare well in advance summer school (gather 2 teachers and 3 students – English required) from each university

- determine the persons,
- get visas,
- buy tickets.

Challenges

- Prepare summer school visits to institutes, companies and road managers – arrange in advance



Challenges

How the Academic Calendar in Africa look like.



Thank You

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