Training School

Agroforestry systems in temperate and dryland ecosystems – pattern and processes

29th June 2020 to 10th July 2020

Hosted by the Albert-Ludwigs-University Freiburg, Germany

Participants from southern Africa and Europe will learn about various examples of agroforestry systems in both African and European settings. Students will learn about the dynamics and interactions that occur between tree, crop and/or livestock in both physical and social realms. The course will include theoretical sessions, excursions and practical tasks. The language of instruction is in English.

12 places available for MSc, PhD and Post-doc students from southern Africa - Mobility grants for flights, accommodation and sustenance available

To apply visit:
https://www.spaces-training.org
or for more information send an email to:
asap@agroforestry-africa.org

Deadline for applications
29th February 2020

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SPACES II
Science Partnerships for the Adaptation to Complex Earth System Processes in Southern Africa

Agroforestry in Southern Africa
new pathways of innovative land use systems under a changing climate
www.agroforestry-africa.org

Agroforestry Systems in Temperate and Dryland Ecosystems – Patterns and Processes

Course Dates: 29.06.2020 – 10.07.2020
Registration Date: 29.02.2020
Course Location: Albert-Ludwigs-University Freiburg, Germany

Course description and primary learning objectives:

An introduction into agroforestry systems in temperate and dryland ecosystems, the course will be aimed at participants who have basic natural sciences and land management knowledge (forestry, agriculture, biology etc.). The course aims to introduce agroforestry systems as an innovative and flexible approach to sustainable land management and to train competences in the analysis and critical evaluation of their potentials and limitations especially for rural livelihoods under climate change pressures. The language of instruction is English.

Learning methods:

Lectures, field trips, field measurements, laboratory analyses and group work

Expected learning outcomes:

Participants are expected to be able to assess various examples of agroforestry systems and study them to understand their dynamics, and the interactions that occur between tree, crop and/or livestock in both ecological and social realms. Competences in the assessment and analysis of the ecological foundations of agroforestry systems will be trained. It is intended that participation at the training school will inspire continued learning within this field of research.

Target group:

Students and early stage researchers from or affiliated to educational institutions in ASAP partner countries (South Africa, Namibia, Mozambique, Zambia, Malawi and Germany).

Course places are limited to 12 African students who will receive mobility grants that cover the full cost of flights, airport transfer, accommodation and a daily allowance for sustenance.

Additionally, place for 6 European students affiliated to a German educational institute will also have the opportunity to apply. As a rule, expenses occurred through course attendance cannot be reimbursed for European based students. The possibility of crediting the course as an elective module will be explored (e.g. as a current topic as offered for Uni Freiburg students, comprising of attendance and completion of the course plus a report on a mutually agreed topic relating to the course content totalling the 150hour workload required for 5 ECTS points).

1. Application

Who is eligible to apply? The training school is open to applications from:

- Master students
- PhD students
- Early Stage Researchers (maximum 3 years since obtaining their PhD at the time of application)
- Applicants must be affiliated to educational institutions in ASAP partner countries (South Africa, Namibia, Mozambique, Zambia, Malawi and Germany.
- Students must be over the age of 18 years at the time of application

Please apply via the SPACES II training portal:
https://www.spaces-training.org/courses/july-september-2020/agroforestry-in-temperate-and-dryland-ecosystems/

It is intended that the applicant submits the required application documents by the specified **deadline of 29th February 2020**.

The application should include:

- An up-to-date CV including detail of academic courses and degrees held (max. 2 pages)
- Motivation letter (max 2 pages)
- Letter of recommendation from home educational institution (on institution headed notepaper, signed by the academic supervisor, max. 1 page)

2. Travel, accommodation, daily allowance and visa

Course attendance by African students will be facilitated by the distribution of mobility grants that cover the full cost of flights, airport transfer, accommodation and a daily allowance for sustenance. Travel arrangements for course attendees will be made by the SPACES II team. Upon acceptance of a place on the course, attendees must provide information requested from them in order to book travel arrangements.

Accommodation will be pre-booked by the project coordinator, participants will be notified of specific details via e-mail prior to travel. Please be aware that room bookings may include shared accommodation in single gender rooms.

Travellers are responsible for informing themselves of changes to the flight times, gate changes etc. ASAP takes no responsibility for rebooking of missed flights. Participants are not entitled to a refund of cancelled flights. Flight bookings cannot be changed without exceptional reason which must be submitted in writing.

Please note that students affiliated to a European educational institute do not qualify for this financial support and must make their own travel and accommodation arrangements.

Schengen Visa

Students travelling from outside Europe in order to attend the course are responsible for the application of their own visa. Visa fees (at a standard 60 EUR rate) claimed with a receipt will be reimbursed by the ASAP project, reimbursement will be made in Euro currency only.

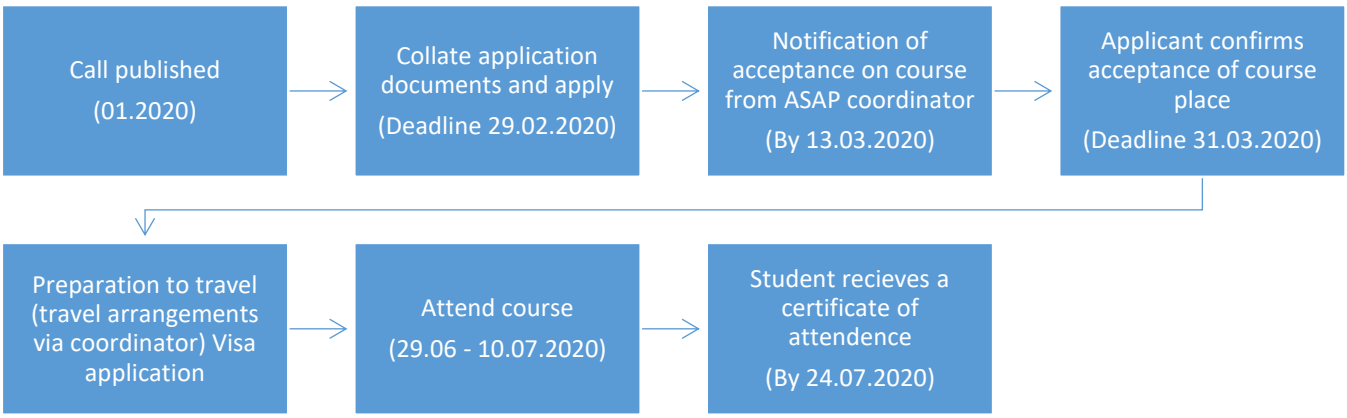
*In general applications can be made **within 90 days of your scheduled departure date**, we recommend you apply in ample time. Submitting your application later than this may well cause your trip to be delayed.*

The information given here is not exclusive please inform yourself directly concerning actual visa requirements at the time of application.

Training school attendees are responsible for the validity of travel documents for the entire duration of their travel.

The Albert-Ludwigs-University Freiburg can on behalf of the ASAP project provide a letter of invitation for the applicant. Upon acceptance of a training school place, please apply in writing to asap@agroforestry-africa.org providing detail of your requirements.

Timeline



3. Course location

Unless otherwise stated, all teaching will take place at:

Albert-Ludwigs-University Freiburg
Faculty of Environment and Natural Resources
Institute of Forest Sciences
Chair of Forest Growth
Tennenbacher Str. 4
79106 Freiburg, Germany

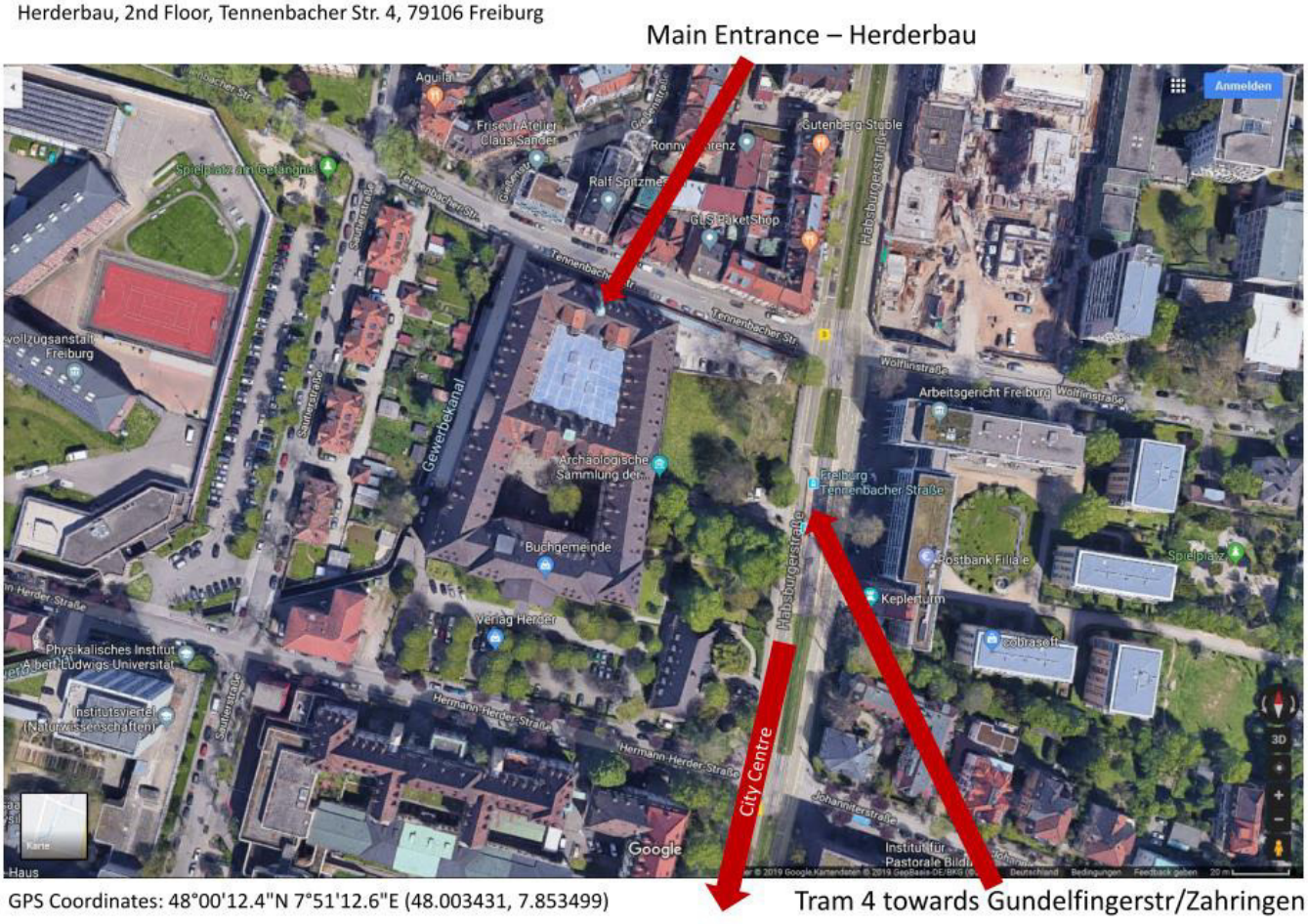
Tel. +49 (0)761 - 203 3737
Fax +49 (0)761 - 203 3740
Email: asap@agroforestry-africa.org

Contact person:
Dr Jonathan Sheppard,
ASAP project coordinator

Room 020 58A (East side of the building)
Tennenbacher Str. 4
79106 Freiburg, Germany

Chair of Forest Growth, University of Freiburg

Herderbau, 2nd Floor, Tennenbacher Str. 4, 79106 Freiburg



GPS Coordinates: 48°00'12.4"N 7°51'12.6"E (48.003431, 7.853499)

4. Trainers

Prof. Dr. Hans-Peter Kahle is professor at the Chair of Forest Growth. His research interests include: forest tree and stand growth, environmental effects on growth, forest tree and stand management and dendroecology. He is highly concerned with the conception, coordination and delivery of teaching programmes within the faculty. H-PK is the project leader of the ASAP project.

Dr. Jonathan Sheppard is Coordinator of the Project ASAP: As Postdoctoral Researcher at the Chair of Forest Growth his main research interests are innovative agroforestry systems, valuable timber production, non-wood forest products, terrestrial laser scanning and energy wood production. JS has worked within a number of national and international agroforestry research projects also in southern Africa and is a founding member of the International Union of Agroforestry (IUAF). JS is project coordinator for the ASAP project

Dr. Christopher Morhart is Assistant Professor at the Chair of Forest Growth. His main research interests are valuable timber production, terrestrial laser scanning, energy wood production and innovative agroforestry systems. CM has worked within a number of national and international research projects and is a founding member of the European Agroforestry federation (EURAF) and International Union of Agroforestry (IUAF) and a member of the European Commission EIP-AGRI focus group for agroforestry. He is highly involved with the delivery of bachelor and master courses in both German and English.

ASAP project collaborators and guest lecturers

Training will also be undertaken by experts directly working within the ASAP project within their specific specialities including the social sciences, water fluxes, plant ecophysiology, wind erosion, terrestrial laser scanning and GIS mapping.

5. Course programme

A provisional course programme is given below. Please note that some elements may change due to technical and logistical considerations. The course concept includes formal lectures, excursions, group work, development of presentation skills and training exercises. The course aims to introduce agroforestry systems as an innovative and flexible approach to land management especially under climate change pressures. The language of instruction is English, a good proficiency of spoken and written language skills is required.

		AM (09:00 - 12:30)	Lunch	PM (13:30 - 17:00)
28 June 2020	Sun	Travel/arrival		
29 June 2020	Mon	Introduction	Provided	Introduction Lecture
30 June 2020	Tue	Excursion/ Field work	Provided	Excursion/ Field work
01 July 2020	Wed	Guest Lectures	Provided	Guest Lectures
02 July 2020	Thu	Group work session 1	Provided	Group work session 2
03 July 2020	Fri	Group work session 3	Provided	Group work session 4
04 July 2020	Sat	Optional excursion		Optional excursion
05 July 2020	Sun	free day		
06 July 2020	Mon	Group work session 5	Provided	Group work session 6
07 July 2020	Tue	Group work session 7	Provided	Group work session 8
08 July 2020	Wed	Poster preparation	Provided	Poster preparation
09 July 2020	Thu	Poster preparation	Provided	Poster preparation
10 July 2020	Fri	Poster presentations	Provided	Round-up, discussion round, critical reflection
11 July 2020	Sat	Departure		

Provisional groupwork sessions include terrestrial laser scanning for the assessment of biomass, hemispherical photography for the evaluation of shade cast by trees, field assessment of soils structure and profile, hydrology and hydrological processes, methods of wind erosion measurement and human-environment interactions with a focus on agroforestry.

Evening activities: Tour of Freiburg, Dendro-lab tour, botanical garden excursion..... T.B.C.