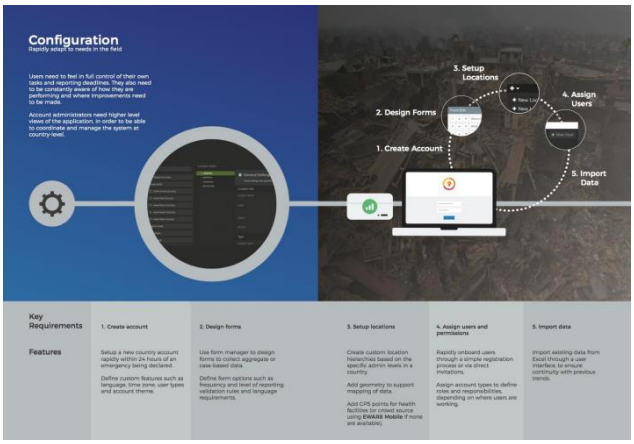
Dear students,

We kindly wish to extend to you an invitation to participate in our *International Virtual Course on* ***Pandemics: Detection, Containment, Control.***



The online course is an international partnership between The University College Freiburg (UCF), School of Public Health and Community Medicine, Gothenburg University, Sweden, The Institute for Infection Prevention and Hospital Epidemiology Medical Centre - University of Freiburg, and The Centre for Medicine and Society (ZMG) at the University of Freiburg, Germany.

WHO: https://cdn.who.int/media/docs/default-source/documents/emergencies/ewars-presentation.pdf?sfvrsn=9bf14b42_2

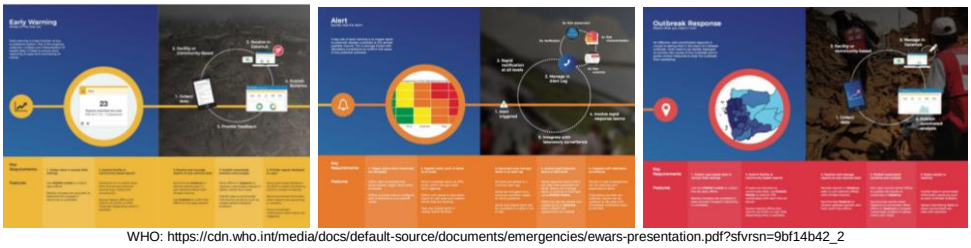
Background:

The emergence and re-emergence of a number of infectious diseases are influenced by the interaction between climate and human systems. Hence, they are subdivided in airborne, vector-borne and waterborne.

All three disease groups tend to appear in large epidemic waves overstretching the health services and causing huge economic loss and social harm to societies. Forecasting outbreaks and their magnitude as well as forecasting resource requirements when an outbreak has already started will drastically enhance the preparedness for outbreak prevention and a rational resource allocation mitigating its disastrous effects.

The Seminar:
The here described six weeks seminar supported by DAAD will present two options of dealing with outbreaks:

Group A: Forecasting outbreaks and their expected magnitude with the WHO-EWARS model (taking climate sensitive diseases as examples)



WHO: https://cdn.who.int/media/docs/default-source/documents/emergencies/ewars-presentation.pdf?sfvrsn=9bf14b42_2

Group B: Forecasting resource requirements when an outbreak has already started using the Freiburg modelling tool (taking the Corona Pandemic as an example).

The Seminar will be held from **14th of July 2023 to 28th of August 2023** and is based on self-learning materials and weekly online meetings with mentors.
At the end of this course each student will prepare a PowerPoint presentation about a selected topic. The successful student will receive 6 ECTS points (pass/fail only).

This is an excellent occasion for students to meet experts in pandemics and a unique opportunity to meet people from different academic backgrounds who will be working together to discuss the following topics on pandemics:

- Early Warning and Response Systems (EWARS) for outbreaks: Temporal and spatial prediction model
- Surveillance and response
- Modelling resource needs for outbreak management

Please send your application in form of a motivational letter, comprehending to which group you would prefer to be assigned to, (max. 1 page) and your CV via e-mail to damaris.bockstahler@ucf.uni-freiburg.de, coordinator of the virtual course.

Application deadline: **02.07.2023**

The preliminary time frame:

Time	**Item**
7th July to 14th July 2023	Self-study time to get familiar with the format and the materials of the course “Pandemics in History”
14th July 2023 3pm - 7pm CEST	**Kick-off event (approx. 4hrs)**
21st July – 24th August 2023 (**4 weeks**) 1 - 2 hrs contact with the mentor per week	**Self-study time** and time to work with the mentors on the modules.
24th – 28th August 2023	Final presentations **(t.b.d.)**

We are very much looking forward to your participation in our e-learning course!

The Organising Committee