

## What's the purpose of the measurements?

We want to make it safer to work outdoors.

So we'll need to get a precise idea of the hazard from exposure to UV radiation from the sun. One useful method is a measurement campaign, for which we need as many participants as possible.

We want to derive specific behavioural and protective measures which we can then recommend. This will help you work safely.

## Can you ensure data privacy?

Yes, definitely.

The measurement results will be anonymised and will only be evaluated in relation to the investigated activity. You can find further details on data privacy in a separate leaflet.

## Who is involved?

GENESIS-UV involves a range of social accident insurance institutions, including those for the public sector, as well as various international research institutes.

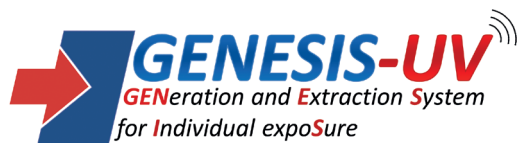
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## GENESIS-UV

A system to measure outdoor  
exposure to UV radiation



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## What is GENESIS-UV?

GENESIS-UV (GENeration and Extraction System for Individual expoSure) is a data recording system to measure hazards posed by natural UV radiation at work. It has been designed to carry out long-term measurements of hazards in any workplace anywhere in the world.

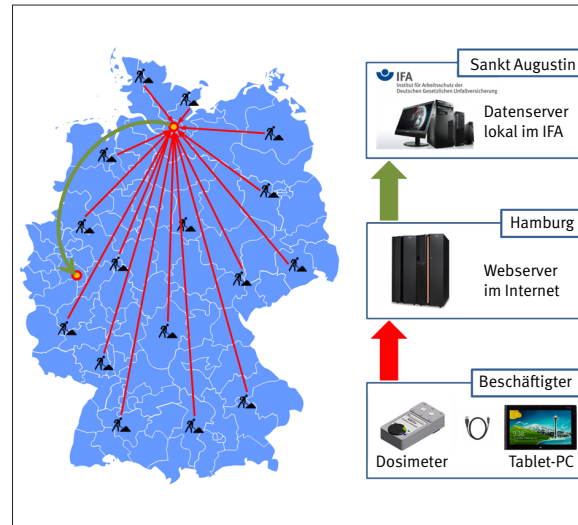
## How does GENESIS-UV work?

The principle is both safe and simple:

You'll be wearing a personal terminal device – in this case an electronic dosimeter for measuring ultraviolet (UV) radiation – throughout your working day. After the end of each measurement period, you'll need to plug the unit into a tablet PC via a USB cable. As soon as you turn on the tablet, the data is stored and transferred. Most of this

will happen automatically, and the measuring device is also recharged. The data is transmitted to the Institute for Occupational Safety and Health of the German Social Accident Insurance Institutions (IFA) for evaluation. This takes place via an encrypted mobile connection.

How does GENESIS-UV work?



## How can I be involved?

If you agree to take part in the measurement campaign, you'll be given an electronic measuring device and a tablet PC.

The measuring device is approx. 9 \* 4.5 \* 2 cm in size and weighs about 120 grams, about the same as a bar of chocolate. It can be attached to your clothes in various ways, but it is usually worn on your upper arm, using a specially developed attachment. Experience with over 1,000 users has shown that this attachment is no hindrance in your daily work.

If you agree to take part,

- you'll be given a contact person who will advise you and explain to you how and on which part of your body you need to attach the measuring device.
- you'll be given a tablet PC that can pick up the data from the measuring device and then pass it on. The tablet will also automatically charge and restart the measuring device.
- you'll be documenting your work by noting down your daily/weekly activities in a quick and easy routine. You'll be given a simple template for this purpose.
- you won't need any special computer skills. Just press a button, enter a password, and that's it.
- you'll be given instructions how to use the device before the measurement campaign. A contact person from the private or public accident insurance institution will come along and show you. You'll also be supported throughout the measurement campaign.



## We're here to help!

If you have any questions or problems, the GENESIS-UV team will be pleased to help.



## The GENESIS-UV Team

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