



## IN FOCUS

### Pilot phase completed

The pilot phase, in which a future impulse was sent daily to more than one hundred participants in Ghana and evaluated by them, ended on 31.07.2020.

For seven weeks, a Future Impulse was sent to more than one hundred Ghanaian students on each day of the week. The most important results are:

- The registration process is too time-consuming, because too many steps are necessary, and should therefore be simplified,
- all impulses were evaluated, most of them positive,
- interesting application-oriented ideas were noted,
- the software for sending the pulses and displaying the results is working.

The above-mentioned points result in the corresponding tasks for the project phase of Africa 4.0.

For example:

- to develop a more user-friendly registration,
- to refine the selection of impulses and thus of companies that want to have their technologies evaluated,
- to improve the possibilities of evaluating the results with artificial intelligence.

### Virtual reality assists travel bookings



#### How do you like this impulse?



Last future impulse of the pilot phase, which was send on 31.07.2020

The travel search engine Kayak has presented a feature called "Kayak VR" which enables users to visit destinations in virtual reality before they make a booking. "Kayak VR" is available as an app for the platform Google Daydream and pairs 360-degree visual content with an audio tour. To help users select destinations, "Kayak VR" offers them suggestions for activities to try out and a look at hotels. Compared to photos provided, these virtual reality views ensure a better understanding of the proportions and surroundings.

### Participants rate future impulses predominantly positive

All in all, it can be said that all impulses were evaluated and that this was done very differently. It is therefore easy to deduce which future technologies meet with great interest in Ghana and which do not.

Among the particularly positively evaluated impulses is for example "Reducing plastic waste while generating energy". The response rate was 28% of all participants. Of these, 89% rated the technology as positive and 11% as neutral. The ideas show that this technology makes sense both ecologically and economically, because it conserves the energy source and creates jobs.

An example for a moderate evaluation was this impulse: "CO2 protein for humans and fish". Only 17% of the evaluations were positive but 83% were neutral.

### Next steps

As already mentioned above, the technological adaptations regarding registration and evaluation possibilities need to be adapted and extended to start the implementation phase.

#### Top impulses:

Asphalt recycling with PET bottles



Africa Reducing plastic waste while generating energy



Smart window film keeps rooms cool and warm

