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# Status and Future Prospects of the KASCADE Cosmic-ray Data Centre KCDC

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KCDC, the 'KASCADE Cosmic-ray Data Centre', is a web-based interface where initially the scientific data from the completed air-shower experiment KASCADE-Grande was made available for the astroparticle community as well as for the interested public. Over the past 7 years, we have continuously extended the data shop with various releases and increased both the number of detector components from the KASCADE-Grande experiment and the data sets and corresponding simulations. With the latest releases we added a new and independent data shop for a specific KASCADE-Grande event selection and by that created the technology for integrating further data shops and data of other experiments, like the data of the air-shower experiment MAKET-ANI in Armenia. In addition, we made available educational examples how to use the data, more than 100 cosmic ray energy spectra from various experiments, and recently attached a public server with access to Jupyter notebooks. In this paper we present a brief history of KCDC, the main features of the recent release as well as will discuss future development plans.

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# **Keywords**

Open Data Plattform

#### Collaboration

### other Collaboration

## **Subcategory**

Outreach and Education

**Primary authors:** HAUNGS, Andreas (Karlsruhe Institute of Technology - KIT); KANG, Donghwa (KIT); LINK, Katrin (KIT); POLGART, Frank; TOKAREVA, Victoria (KIT); WOCHELE, Doris (KIT); WOCHELE, Jürgen

Presenter: HAUNGS, Andreas (Karlsruhe Institute of Technology - KIT)

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