The **Friedrich-Alexander-Universität Erlangen-Nürnberg** is looking for a

computer scientist or geoinformatic engineer
(TVL-13 100%, 24 months)

within the project TAPE "Tapping the Potential of Earth Observation". The project is funded by the University of Erlangen-Nürnberg within its Emerging Field Initiative (EFI). The position is a collaboration between the **Institute of Geography (Remote Sensing & GIS, Prof. Braun)** and the **Department of Informatics (Pattern Recognition Lab, Prof. Maier).**

The project aims at applying deep learning technologies to different earth observation data in various application fields. Specifically, we target the use of deep learning to identify fronts of calving glaciers in synthetic aperture radar imagery, the identification of migrating birds in aerial photographs and the detection of invasive species. The candidate will apply machine learning techniques developed at the chair of pattern recognition to geoscientific data sets and problems.

Desired qualifications:
- background in computer sciences, mathematics, geoinformatics, geophysics or related field
- experience with machine learning and classification techniques
- programming skills
- experience with peer reviewed publication
- PhD in a related field (thesis submission by employment date required)
- fluency in English
- knowledge of German is of advantage

The intended starting date is April 01st 2019. The employment is limited to 24 months due to availability of project funds with a possibility of extension depending on successful project completion/prolongation or other third-party funding. The employment is full time with 100% of the regular working load. Depending on qualification and personal requirements this position is grouped into Entgelt-/Bes.Gr. E13.

The Friedrich-Alexander-Universität Erlangen-Nürnberg is seeking to augment the number of women in research and teaching and hence asks female scientists in particular to apply for this position. Handicapped persons will be preferred in case of equal ability and qualifications. If desired, a member of the equal opportunity office of FAU can participate in the selection process without any disadvantage for the applicant.

Please submit your full **application** including CV, certificates, motivation letter as **one single PDF-file** to **sabine.donner@fau.de** (**reference: EFI InfoGEO**).

Deadline for application: 20 January 2019, the position is open until filled

Further information: Prof. Dr. Matthias Braun, Institut für Geographie, FAU, phone +49-(0)9131-85-22015 / -22510, matthias.h.braun@fau.de or

Prof. Dr. Andreas Maier, Department of Computer Science, Chair of Pattern Recognition Lab, FAU, phone +49-(0)9131-85-27775, andreas.maier@fau.de