The project, “The Role of Culture in the Early Expansions of Humans,” is a research project of the Heidelberg Academy for the Sciences and Humanities, which is funded by federal and state resources. The project examines the interaction of cultural and ecological developments in connection with the spatial expansion of hominin populations over Africa and Eurasia during the period from 3 million to 20,000 years ago. The project is projected to continue until 2027.

The Heidelberg Academy seeks to fill a position at the University of Tübingen starting October 1, 2018.

**Postdoctoral research fellow**  
(TV-L E13 pay grade)

**Your duties include:**
- Independent research on reconstruction of landscapes (topography, climate and vegetation) and their use at the interface of cultural and geographic studies based on different scenarios and multiple spatio-temporal scales of the analyses of human resource spaces.
- Structuring large-scales spatial data
- Spatial data mining
- Coordinating the geoinformatics of the ROAD-database, including organizing the relevant data and quality management
- High performance computing (parallel computing in large data frameworks)
- Advising and supporting colleagues in GIS and in map-making
- Cooperation in research and development of a virtual atlas
- Supervising students within the framework of the ROCEEH project

**Your profile should include:**
- Ph.D. preferably in the areas of geography, geoinformatics, prehistory or environmental sciences.
- Spatial data management in geoinformatics (meta-database management with GeoNetwork, advanced knowledge of Web-GIS with GeoServer, MapServer, Leaflet, etc.)
- Demonstrated practical experience with development of GIS-Systems with ArcGIS, PostgreSQL, PostGIS, QGIS and Saga
- Demonstrated practical experience in archaeological applications
- Experience with database systems (spatial data mining, data management technologies)
- Excellent programing skills (Python etc.)
- Quantitative skills and statistical analysis with R
- Experience with international, multidisciplinary projects on complex research questions (representing the research field in the context of international cooperations and workshops)
- Excellent skills in speaking and writing English; other language skills are welcome
- Excellent skills in communication and teamwork

The position is initially to be filled until the end of 2020.

Questions may be directed to Prof. Nicholas Conard (nicholas.conard@uni-tuebingen.de) and Prof. Volker Hochschild (volker.hochschild@uni-tuebingen.de).

Applications should be submitted by **July 15, 2018** in pdf-form to:

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Karlstr. 4  
69117 Heidelberg  
schallum.werner@hadw-bw.de