

ResourceScapes in the Iranian Highlands

Water, Wind and Minerals as Factors of Appropriation and Integration

@big lecture hall /1st floor: Haus der Arch äologien, Am Bergbaumuseum 31, 44791 Bochum

Monday, 12th September 2022

Session I: Fundamentals of a Specific Environment: Climate, Vegetation, Soils and Landuse Potentials

Expert: Saman Heydari-Guran

- 10.45 Registration & Lolli-Testing (Covid-19)
 11.15 Introduction / Opening Session
 11.45 I-1 Patrick Ludwig Benefits of Regional Climate Modelling of the Iranian Highlands for the Mid-Holocene
 12.10 I-2 Martin Kehl, Babak Rafiei-Alavi Soil Resources as Determinants of Site Location in the Iranian Highlands?
 12.35 I-3 Zahra Lorzadeh, Haeedeh Laleh Mobility and Resource Management: The Mining Landscape of Nishapur in the Islamic Period.
 13.00 LUNCH/Haus der Arch äologien - basement
 14.00 I-4 Manfred Rösch, Eileen Eckmeier, Anette Kadereit, Elena Marinova, Maria Rabbani, Simone Mühl Holocene Ecological Changes in the Shahrizor Plain, Northern Iraq, Indicated by plant Macro- and Microfossils
 14.25 Discussion on: I Fundamentals of a Specific Environment: Climate, Vegetation, Soils and Landuse Potentials

Session II: Water Use and Hydraulic Engineering Systems / Expert: NN

- 15.25 II-1 Hamid Reza Nassery A Review of Hydrogeology and Ancient Water Systems of Iran
 15.50 II-2 Majid Labbaf Khaneiki, Abdullah Saif Al-Ghafri Hydro-Political Borders and Division of Space in the History of Iran
 16.15 COFFEE/Haus der Arch äologien - 1st floor, vestibule Hörsaal
 16.45 II-3 Friederike Jürcke, Benjamin Mutin, Omran Garazhian, Cameron A. Petrie High-Resolution Historical Satellite Imagery and the Neolithic Landscapes of South-Eastern Iran
 17.10 II-4 Matthew Jones How Well Can We Reconstruct Past Water Availability?
 17.35 Discussion on: II Water Use and Hydraulic Engineering Systems
 18.35 Break
 19.00 DINNER/German Mining Museum 'Kumpels'

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Session III: Practices in Wind Use / Expert: Susan Roaf

- 8.30 Lolli-Testing (Covid-19)
 9.00 Opening Session
 9.15 III-1 Mohammadjavad Mahdaveinejad New Lights on the Historical Evolution of Persian Windmills with the Help of Empirical Simulation: Case Study Nishtafun
 9.40 III-2 Payam Nejat, Fatemeh Jomehzadeh Windcatcher an Ancient Renewable Energy Application for Cooling and Ventilation
 10.05 III-3 Moslem Mishmastnehi From Prosperity to Jeopardy: The Cultural Footprint of 120-days Wind in Sistan
 10.30 COFFEE/Haus der Arch äologien - 1st floor, vestibule Hörsaal
 11.00 Discussion on: III Practices in Wind Use

Session IV: Appropriation of Raw Materials and Mining in Premodern Iran / Expert: Aydin Abar

- 12.00 IV-1 Nima Nezafati Ancient Mining and Metallurgical Studies in Iran: Future Perspectives and Challenges (incl. road map)
 12.25 IV-2 Fereidoun Biglari, Sonia Shidrang Lithic Raw Material Exploitation in the Middle Paleolithic of Zagros
 12.50 LUNCH/Haus der Arch äologien - basement
 13.50 IV-3 Omid Oudbashi Recent Studies on Technology and Provenance of Tin Bronze Metallurgy in Prehistoric Iranian Plateau
 14.15 IV-4 Thomas Stöllner, Abolfazl Aali, Nicole Boenke, Monka Doll, Kristina Franke, Katja Kosczynski, Iman Mostafapour, Nima Nezafati, Hande Özyarkent, Fabian Schapals and Hamed Zifar Mining at the Fringes: Mineral Resource-Procurement at the Iranian Highlands between Traditional Practices and State-Control
 14.40 COFFEE/Haus der Arch äologien - 1st floor, vestibule Hörsaal
 15.10 IV-5 Nicole Boenke Reflections from Inside - Archaeobotanical Insights on Supply from Mining Sites in Iran and Related Agricultural Practices
 15.35 Discussion on: IV Appropriation of Raw Materials and Mining in Premodern Iran
 16.35 Concluding remarks - closing session
 17.00 End of Workshop