Master's Program in Geomatics

M2 GEOMAG

Guest Lecture Series

Geodesy, Reference Systems and GNSS

SatNav Africa
Joint Programme Office

SESSION 2

GNSS Reference Systems: From Reference Frames to African Initiatives

Building a robust geodetic reference for Africa



Wednesday
4 November 2026

11:00 – 13:00
(Tunisia Time)
(10:00 – 12:00 UTC)

ONLINE
via Zoom

SCAN TO JOIN

Key topics

- **Coordinate systems, reference frames and reference systems**
  Key concepts and principles
- **State of reference systems on the African continent**
  Current situation and challenges
- **African initiatives – The AFREF initiative**
  Objectives, progress and perspectives
- **Role of SBAS as an enabler of a regional reference system**
- **Q&A session**

SPEAKER



Dr. Barkawi MANSOUR
Founder & CEO – GeoMinds Africa
Consultant & Expert in Geospatial Technologies, AI and UAV

Dr. Barkawi Mansour is a researcher and entrepreneur specializing in geospatial technologies, AI and GNSS. He holds a PhD in Remote Sensing, GIS and Environmental Sciences, and a Master's degree in Space Science and Technology. He is the founder and CEO of GeoMinds Africa, an innovative company that develops intelligent and sustainable geospatial solutions for agriculture, environment, energy, mining and urban planning. He is also President of the IA Community – IndabaX Niger, ZINDI Ambassador for Niger, Communication Officer at RPAG, and President of the African Association for Geospatial Applications (AAGA).



Target audience
M2 GEOMAG students and open to interested researchers and PhD students (INAT)