

**Candidate for the position of Vice President**  
of the Commission for Observation, Infrastructure and  
Information Systems (INFCOM)

**Dr. Pascal F. Waniha**

Director of Infrastructure and Technical Services  
Tanzania Meteorological Authority (TMA)



**Involvement in WMO bodies**

Dr. Pascal Waniha is currently the Chairperson of WMO Task team on Global Basic Observing Network (TT GBON-Next), a member of INFCOM Management group and Member of WMO INFCOM Standing Committee on Earth Observing Systems and Monitoring Networks (SC- ON). Here Dr. Waniha has been extensively involved in overseeing activities of INFCOM at the Commission level and he contributed remarkably in the success of INFCOM activities especially in designing, implementing and Monitoring GBON station network. He was also been involved in reviewing several WMO Manual and guidelines (recently review of *“Guidelines on High-resolution Numerical Weather Prediction”* (WMO-No. 1311)). Other positions and roles he performed related to the work of INFCOM include: Chairperson of WMO Task team on Global Basic Observing Network (TT-GBON); Vice Chair of WMO INFCOM Study Group on Global Basic Observation Network (SG-GBON); Chairperson of WMO CIMO; Member of Expert Team on Capacity Development and Outreach; Member of WMO Commission of Atmospheric Science (CAS) Management Group; Member of CIMO Expert Team on Operation Remote Sensing; Member Commission for Aeronautical Meteorology (CAeM); and Member of Expert Team on Aviation, Science and Climate of the WMO. At regional level, Vice Chair of WMO Regional Association I (WMO RA I- Africa) Committee on Infrastructure, where he represented well the infrastructure needs of Africa in WMO high level meeting such that more than 12 countries were considered for implementation of Systematic Observation Financing Facility (SOFF) project to meet the Global Basic Observing Network (GBON) requirements.

**Summary of Professional Qualifications:**

Professionally, Dr. Waniha is a Principal Meteorologist with specialization in Numerical Weather Prediction (NWP). He has about 29 years of experience in the field of Meteorology, including managing operations involving meteorological infrastructure at TMA. Dr. Waniha has vast top level Management experience in the Meteorology industry particularly the aspects that relate to the Work of INFCOM at National, Regional and Global levels. At TMA, he is currently the Director of Infrastructure and Technical Services, leading the Division of Infrastructure and technical Services since 2015. In his capacity of Director at TMA, he has been involved in various strategic leadership assignments and positions where he contributed to the development and achievement of the TMA vision and mandates. Among the key achievements he has pioneered the transformation of TMA meteorological infrastructure to from Manual to Semi-Automation and expand its network which now involves Weather

Radars Stations, Automatic Weather Stations (AWSs), Lightning detection Network, Upper Air stations and associated telecommunication systems, which made Tanzania to be among the leading countries in Africa operating *state of the art* meteorological infrastructure. Dr. Waniha, has also been involved in teaching at Universities and research where he has supervised and published scientific papers in international journals

**Summary of Education:**

- Postdoctoral Research Associate – North Carolina State University – USA
- PhD in Physics and Mathematics - Russian State Hydro-meteorological University.
- Masters and Bachelor of Science degree in Hydrometeorology - Russian State of Hydro-meteorological University.
- Certificate In Teaching Technique (CITT) – North Carolina State University – USA