

Course information for Training Workshop for Regional WIGOS Centres functions and tools in RA VI (Santander, Spain, 20-22 November 2023)

General description	<p>The Regional WIGOS Centres (RWCs) play a critical role in advancing the implementation of WIGOS within their Region or subregion, providing regional coordination and technical support to Members.</p> <p>The mandatory functions for RWCs are to assist Members with metadata management in OSCAR/Surface and to perform the quality monitoring, evaluation and incident management as part of the WIGOS Data Quality Monitoring System (WDQMS).</p> <p>Establishment of RWCs in RA VI is progressing in line with the RWC Concept and implementation plan approved by RA VI MG.</p> <p>Training on WIGOS Tools and RWC operations for Members has been defined as an important action of the implementation plan.</p>
Expected learning outcomes	<p>The expected outcomes of the workshop are as follows:</p> <ul style="list-style-type: none"> -Improved skills of participants to use the WIGOS tools particularly for performing the RWC functions, -Increased awareness and better understanding of participants on their responsibilities related to performing RWC functions, -Information and understanding of concept document and implementation plan of RA VI RWC.
Audience(s)	<p>The following audiences are targeted for this training workshop:</p> <ul style="list-style-type: none"> -WIGOS related National Focal Points (NFP), preferably the NFPs on WDQMS, of Members of RA VI - Representatives of EUMETNET and Members hosting RWCs in RA VI
Topics outline	<ol style="list-style-type: none"> 1. Introduction to WIGOS 2. Introduction to RWCs 3. Introduction to RWC Concept and Implementation Plan in RA VI 4. Role of each RWC node 5. OSCAR/Surface Training including practical session 6. WDQMS Training including practical session 7. IMS Training including practical session 8. Final discussion on RWC functions and WIGOS Tools 9. Summary and workshop conclusions 10. Evaluation of the workshop
Course format	<ul style="list-style-type: none"> -The training workshop will be organized as a hybrid workshop with online and in-person participation of the relevant NFPs and technical staff of 51 Members of RA VI as well as representatives from EUMETNET and Members hosting RWCs in RA VI. -The workshop will be organized in English only. -Training material will be available on the WIGOS Learning Portal as well as on the Workshop Webpage prior to the sessions and also for the use after the training event.

	<p>-It will consist of lectures and practical exercises about WIGOS Tools and RWC functions.</p> <p>-Participants are required to bring their own laptops to the workshop for performing the practical exercises.</p>
Learning activities	<p>a) Participants will review and discuss the WIGOS and its implementation principles</p> <p>b) Participants will review and discuss RWCs to have a better understanding of their functions and roles for implementation of WIGOS at regional and national level</p> <p>c) Participants will review and discuss the RWC Concept and implementation plan for RA VI to understand their roles for RWC operations</p> <p>d) Participants will examine the functions of OSCAR/Surface and make practical exercises of using OSCAR/Surface for registration of stations and managing metadata</p> <p>e) Participants will examine the functions of WDQMS webtool and make practical exercises for identifying availability and quality issues</p> <p>f) Participants will examine the functions of IMS and make practical exercises of using IMS for following up with the incident management process for resolving issues and incidents</p>
Learning assessment	<p>-Before the training session a warm-up quiz will be presented to the participants on the basics of WIGOS and of WIGOS tools.</p> <p>-During the training a formative assessment of the learners will be made based on observation of Q/A discussions and of practical exercises.</p>
Course evaluation	<p>- An online survey on the course evaluation will be applied to get feedback from the participants.</p> <p>- An area in the WIGOS Learning Portal will be available for follow-up discussions amongst participants, as well as to access the training material.</p>
Learning resources	<p>WIGOS Learning Portal</p> <p>OSCAR/Surface</p> <p>WDQMS Web Tool</p> <p>The Manual on WIGOS (WMO-No.1160)</p> <p>The Guide to WIGOS (WMO-No.1165)</p> <p>Technical Guidelines for Regional WIGOS Centres on the WIGOS Data Quality Monitoring System (WMO-No.1224)</p>
Certificate	<p>Learners who participate the full time of the training will receive a course certificate after the event.</p>