

RA VI WORK PLAN 2018-2021

Priority area No 1: The future role of NMHSs and the collaboration with the Private sector in the Global Weather Enterprise: WMO providing a platform for dialogue.										
Short-term implementation (up to 6 months)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To assess the possibility of using the Strategy of the European NMHSs 2016–2025 along with WMO Integrated Strategic Planning Handbook (WMO-No. 1180) as a platform for preparing the RA VI Strategy for NMHSs	RA VI Members	RA VI MG	ICSEED, RA VI Members of ICH/CIS	2018	national funding	ongoing	Decision RA VI-17/2 and its Annex	Nr of NMHSs using the Strategy: 35 out of 50	All NMHSs are familiarized with the Strategy of the European NMHSs. The NMHSs are assessing the possibility of using the Strategy. The Strategy is being implemented and the expected deliverables of the Strategy are being achieved.	
To nominate national focal points on Gender	RA VI Members	RA VI Rapporteur on Gender Equality	INTAD-6 members	2018	Members in-kind contributions	ongoing	Resolution 17 (RA VI-17)	Nr of Members with national focal points on Gender: 21 out of 50	The members are informed on the role of the NFP on Gender and invited to nominate National Focal Points on Gender: List of NFPs of the WMO CPDB	ToRs: to facilitate the implementation at the national level of the WMO Action Plan on Gender
To review and, if not already assigned, designate Monitoring & Evaluation Focal Points	RA VI Members	RA VI Management Group	WMO Secretariat	2018	Members in-kind contributions	ongoing	Decision RA VI-17/23	Nr of Members with national focal points on Monitoring and Evaluation: 27 out of 50	The members are informed on the role of the NFP on Monitoring and Evaluation and invited to nominate National Focal Points on M&E: List of NFPs of the WMO CPDB	ToRs: (a) serve as liaison with the Secretariat on related issues; (b) facilitate the collection of monitoring data; (c) ensure timely, accurate, reliable and comprehensive performance information; and (d) participate in the continued development of current CPDB and implementation of the new CPDB, including training on the use and benefits of the new functionality for internal application.
To consider creating possibilities for a broader engagement of expertise from academia and the private sector in the WMO standard-making processes	WMO EC	RA VI Rapporteur on PPE	WMO Secretariat, RA VI Members	2018	in-kind contributions	ongoing	Resolution 15 (RA VI-17)	The Global Weather Enterprise (GWE) Forum has been established and would need to be used for collaboration with private sectors and academia. The Working mechanism to engage the expertise of academia and private sector in the WMO standard-making process is established in RA VI: Rapporteur on PPE and TT on Data Policy.	The members are informed on the benefits from a broader engagement of expertise from academia and the private sector in the WMO standard-making processes. The members are assessing the possibilities of engaging the expertise from academia and the private sector in the WMO standard-making process by approving the proposed structure at the forthcoming Congress. The standard-making process of WMO is influenced by the academia and private sector.	EC-70: the outcomes of the Second Development Partners Conference: Strengthening and Sustaining National Meteorological and Hydrological Services – Beyond Business as Usual. Closing the Capacity Gap, which was held in March 2018 at the WMO headquarters. This Conference brought together representatives from the global hydro-meteorological communities, including NMHSs, multilateral development banks, Green Climate Fund (GCF), UN organizations, bilateral development cooperation institutions, and global and regional knowledge partners. The main outcomes of the Conference included exploring the possibility of developing a global support mechanism for scaled-up, coordinated, sustained and impactful investments in NMHSs and early warning services, scaling-up programmatic approaches including for the provision of climate finance, scaling-up provision of expert services, and developing web-based information platform providing value to the whole hydro-meteorological communities moving beyond current country profiles databases.
To expedite a review of the existing WMO data policies spelled out in Resolution 40 (Cg-XII) – WMO policy and practice for the exchange of meteorological and related data and products including guidelines on relationships in commercial meteorological activities, Resolution 25 (Cg-XIII) – Exchange of hydrological data and products, and Resolution 60 (Cg-17) – WMO policy for the international exchange of climate data and products to support the implementation of the Global Framework for Climate Services, and to consider the need for their updates and amendments in view of the evolving service delivery models, relevant national and international legal frameworks, and the needs of society and the economic sector for improved information and services bringing benefits to all:	WMO EC	RA VI Rapporteur on PPE, RA VI Task Team on Data Policy	WMO Secretariat	2018	in-kind contributions	ongoing	Resolution 15 (RA VI-17)			EC-70 will be invited to establish a mechanism to review these Resolutions: a small working group on GWE will be collecting first ideas. It was discussed the Geneva declaration and the data Policy, the cooperation with the private sector and commercial services. RA VI TT Data Policy will start in the second half of September as soon as the text of Geneva declaration will be communicated to a small circle of people involved in the subject.
Mid-term implementation (up to 2 years)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To implement the WMO Gender Action Plan in RA VI	RA VI Members	RA VI Rapporteur on Gender Equality	NFPs and the RA VI FP on Gender, WMO Secretariat	In the period 2016–2019	in-kind contributions	ongoing	Resolution 17 (RA VI-17)	Nr of WMO Gender Action Plan actions-priority to the Region that are implemented in RA VI.	RA VI Members are aware of the Gender equality issues and of the WMO Gender Action Plan (output); the RA VI Gender Action Plan is developed (outcome) and is being implemented in the Region (impact)	WMO Gender Action Plan 2016-2019
To exchange examples of good practices of cooperation with the private sector and academia, as well as to share experiences of difficulties thereof:	RA VI Members	RA VI Rapporteur on PPE	Regional Representatives on PPE: INTAD-6 members	2018-2019	in-kind contributions	ongoing	Resolution 15 (RA VI-17)	Nr of good practices /case studies /legislative acts	The Community of Practices to exchange the best practices on authoritative voice, observations and data policy, the quality of services, including staff, and the legislative development	A Survey has been circulated to the Members (at the end of April) to collect some baseline information in support of the PPE and GWE decision by EC and Congress. A Community of Practices will be established to contribute to the WMO Policy Framework endorsed and approved by the EC-70. The CoP should exchange the best practices on authoritative voice, observations and data policy, the quality of services, including staff, and the legislative development
Long-term implementation (till the end of intersessional period 2021)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To use the WMO and RA VI Gender Action Plan as guidance and undertake relevant actions at the national level	RA VI Members	RA VI Rapporteur on Gender Equality	NFPs	2018-2021	in-kind contributions	ongoing	Resolution 17 (RA VI-17)	Nr of Members implementing the WMO and RA VI Gender Action Plan or an equivalent plan at the national level:	RA VI Gender Action Plan or a National Plan on Gender equality developed and implemented by the RA VI Members	RA VI Gender Action Plan or a National Plan on Gender equality could be implemented by the RA VI Members, INTAD-6 could be used for the survey
To facilitate implementation of the Gender Action Plan through the provision of in-kind and voluntary contributions to the WMO Gender Trust Fund	RA VI Members	RA VI Rapporteur on Gender Equality		2018-2019 and beyond	Members in-kind contributions, donations	recurrent	Resolution 17 (RA VI-17)	Nr of Members contributing to the WMO Gender Trust Fund: 1 out of 50		An important step would be to develop first the RA VI Gender Action Plan.
To engage with academia and research community in order to promote the development, testing and operational deployment of innovative hydrometric technologies and partner with the Innovation Hub to foster their wider adoption:	RA VI Members	RA VI Hydrological advisor	Hydrological advisors to the PRs of Members with WMO	2018-2021	RB, In-kind contributions, external funding	recurrent	Resolution 9 (RA VI-17)	Nr of academia and research institutions engaged: Nr of RA VI Members that partnered with the Innovation Hub	The development, testing and operational deployment of innovative hydrometric technologies are promoted; RA VI Members partnered with the Innovation Hub to foster the wider adoption of the innovative technologies.	A high-level segment of the HydroConference, on 9 May sought, among others, to mobilize public and private sector support for key initiatives.
To provide a platform for recurrent dialogue with the private sector and relevant partner organizations in view of building better common awareness of the respective roles and capabilities and in order to facilitate the creation of opportunities for cost-efficient, mutually beneficial collaborative and partnership solutions.	WMO Secretariat	RA VI Rapporteur on PPE	private sector and relevant partner organizations	2018-2021	RB, In-kind contributions, external funding	ongoing	Resolution 15 (RA VI-17)		EC-70 endorsed the Policy Framework on Public-Private Engagement	A Survey has been circulated to the Members (at the end of April) to collect some baseline information in support of the PPP and GWE decision by EC and Congress. See the Annex to the resolution 12, as a guiding document for Members pursuing cooperation with non-State entities aimed, inter alia, supporting the United Nations Sustainable Development Agenda 2030, the Paris Agreement, and the Sendai Framework for Disaster Risk Reduction.
To support organizing events at global and regional level to discuss public-private engagement in the context of a global weather enterprise, and inform crucial WMO policy decisions thereon.	WMO Secretariat	RA VI Rapporteur on PPE	NFPs on PPE	2018-2021	RB, In-kind contributions, external funding	recurrent	Resolution 15 (RA VI-17)			RA VI TT on Data Policy will support the whole process

Color code: not yet started ongoing implemented recurrent

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Priority area No 2: Improving Service Delivery-Disaster Risk Reduction: GMAS Vision								Responsible in MG: Jean-Marc Lacave and Peter Binder		
Short-term implementation (up to 6 months)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To provide a national marine services focal point for the domestic and coastal services to ensure that services which are not mandated by the SOLAS convention are still subject to the highest levels of consistency for mariners.	RA VI Members	Management group of RA VI	WMO Secretariat	2018	national funding	ongoing	Decision RA VI-17/7	Nr of Members having National Focal Points on marine services: 17 out of 40	The National Focal Points on Marine Services are nominated: The services which are not mandated by the SOLAS convention are at the highest levels of consistency for mariners	Reminders were sent out to the Members through INTAD-6
To expedite the migration of the quality management systems (QMS) for the provision of aeronautical meteorological services to the new International Organization for Standardization (ISO) 9001:2015 standard.	RA VI Members	RA VI Rapporteurs on Aviation Meteorology, Kornelia Radics and Marina Petrova	WMO Secretariat	by September 2018	in-kind contribution	ongoing	Decision RA VI-17/8	Nr of Members that migrated to the new ISO 9001:2015 standard:	The Members are aware of the new edition of the WMO Guide to the implementation of a QMS for the NMHSs: The Members are considering the migration to the new ISO standard: The Members migrate to the new ISO standard.	See the new edition of the WMO Guide to the Implementation of a QMS for NMHSs (WMO-No.1100, 2017). INTAD-6 could be used for the survey
Mid-term implementation (up to 2 years)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To identify the national focal points for the Seamless Data-processing and Forecasting System to liaise with the RA VI representative to the Steering Group, in order to facilitate its implementation;	RA VI Members	RA VI Rapporteur on SDPFS/RA VI Representative to the Executive Council Steering Group on SDPFS	WMO Secretariat	June 2019-2020	national funding	not yet started	Resolution 13 (RA VI-17)	Nr of Members having National Focal Points for the Seamless Data Processing and Forecasting System	The members nominated the national focal points for the SDPFS: The Focal Points liaise with the RA VI representative to the SG to facilitate the implementation: The SDPFS is implemented by the Members	the action will start after Cg-18
To complete the process to demonstrate compliance and retain their status according to the new designations by Cg-18	RA VI Members currently hosting a WMC, an RSMC with activity specialization and/or a Lead Centre that have confirmed the mapping of their centres onto the corresponding types of centre described in the revised Manual on the Global Data-processing and Forecasting System (WMO-No. 485)	RA VI Rapporteur on SDPFS	CBS expert team	February 2018- June 2019	RB, in-kind contributions of Members	ongoing	Recommendation 2 (RA VI-17)	Nr of RA VI Members currently hosting a WMC, an RSMC with activity specialization and/or a Lead Centre that have confirmed the mapping of their centres onto the corresponding types of centre described in the Revised manual on GDFPS	The Members hosting a WMC, a RSMC or a Lead Centre are aware of the Recommendation 2 (RA VI-17): The Members complete the process to demonstrate compliance: The Members retain their status according to the new designations	A Reminder through INTAD-6 will be sent out
To identify projects from among the existing regional systems that could demonstrate GMAS potential capabilities and function	RA VI Members	RA VI Rapporteur on DRR	SEE MHEWS	2018-2019	in-kind contributions	not yet started	Resolution 3 (RA VI-17)	Nr of projects:	The Members are aware of the GMAS concept: The Members implement the projects contributing to the GMAS implementation: The GMAS implementation is supported by the Decision	SEE MHEWS-A project
To identify national practices in MHEWS for use in GMAS,	RA VI Members	RA VI Rapporteur on DRR	SEE MHEWS	2018-2019	in-kind contributions	not yet started	Resolution 3 (RA VI-17)			
To formulate their requirements vis-à-vis GMAS.	RA VI Members	RA VI Rapporteur on DRR		2018-2019	in-kind contributions	not yet started	Resolution 3 (RA VI-17)			
To assist Members in Regional Association VI in the effort led by the WMO Flood Forecasting Initiative Advisory Group to assess their flood forecasting capabilities by, for example, undertaking an initial pilot application of the developed assessment guidelines;	WMO Secretariat	RA VI Hydrology Advisor, RA VI TT on Hydrology	Flood Forecasting Initiative Advisory Group: Yuri Simonov, the CHy expert, could support the assessment process: The SEE MHEWS project could eventually pilot the application of the guidelines.	2019-2021	within the available budgetary resources	not yet started	Resolution 1 (RA VI-17)	Nr of Members with the assessed flood forecasting capabilities:	Members are aware of the assessment guidelines: Members undertake the pilot application of the developed guidelines	The assessment guidelines are being developed by the CHy TT and should be ready by the end of the year
To promote and support within Regional Association VI the adoption of appropriate technologies and recommended practices and procedures to advance Member capabilities to provide early warning of hydrometeorological hazards.	WMO Secretariat	RA VI Hydrology Advisor	CHy TT on interoperable technologies: SEE MHEWS project: FFGS	2019-2021	within the available budgetary resources	not yet started	Resolution 1 (RA VI-17)			
To explore possible ways of cooperation with EFAS and other centres of expertise and partnerships and to develop guidance material on how to best communicate probabilistic forecasts and uncertainty in forecast products (especially to civil protection and disaster managers) as priority themes in hydrology and water resources in the Region.	RA VI Members	RA VI Hydrology Advisor, RA VI TT on Hydrology	EFAS and other centres of expertise (ex. UK CEH, SCHAPI (France), RA VI Hydrology Forum)	2018-2021	in-kind contributions	not yet started	Resolution 1 (RA VI-17)			RA VI Hydrology Forum should discuss on the best way to proceed
To collect material on operationally used methodologies to validate forecasts, including ensemble techniques, leading to the development of recommended practices, as suggested by the third RA VI Hydrology Forum in 2016;	RA VI Members	RA VI Hydrology Advisor, RA VI TT on Hydrology	Hydrological Advisor, Hydrological Forum	2018-2021	in-kind contributions	not yet started	Resolution 1 (RA VI-17)			
To collaborate with the appropriate RA VI structure in sharing their best practices in flood forecasting and providing contributions to the development of guidance material on how to best communicate probabilistic forecast and uncertainty in forecast products, especially to civil protection and disaster managers;	RA VI Members	RA VI Hydrology Advisor, RA VI TT on Hydrology	FFI, Hydrological Forum, Hydrological Advisor, volunteer countries to share best practices	2018-2021	in-kind contributions of Members	not yet started	Resolution 1 (RA VI-17)			RA VI Rapporteur on FFI
To maintain their involvement in the continual training of staff on use of the FFGS, in South East Europe and the Black Sea and Middle East applications, and to perform validation of the FFGS products, assess their impacts, and provide suggestions on how the FFGS can better respond to emerging needs;	RA VI Members	RA VI TT on Hydrology: RA VI Rapporteur on FFI	FFGS Focal Points	2018-2021	RB, in-kind contributions of Members	ongoing	Resolution 1 (RA VI-17)	Nr of Members from SEE, Black Sea and Middle East FFGS performing validation of products, assessing their impacts and providing suggestions on how the FFGS can better respond to emerging needs:		Croatia did it only
To strengthen the development and implementation of flood forecasting systems to allow timely and accurate issuance of early warnings.	RA VI Members	RA VI TT on Hydrology	CHy Implementation Strategy on E-2-E EWS for flood forecasting	2018-2021	national funding	ongoing	Resolution 1 (RA VI-17)			
To adopt and operationalize the use of the Common Alerting Protocol (CAP) standard for coding alerts, including provision of warning feeds to the Filtered Alert Hub (prototype for the WMO Alert Hub);	RA VI Members	RA VI Rapporteur on DRR	experts on CAP	2018-2021	national funding	ongoing	Decision RA VI-17/6	Nr of Members using the Common Alerting Protocol standard:		An assessment was done by a consultant: a workshop on national, subregional or regional levels, could be organized by the Secretariat upon demand of Members

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To nominate editors to edit the WMO Register of Alerting Authorities and to ensure that the editors do actually edit their national register pages;	RA VI Members	RA VI Rapporteur on DRR	National editors (as soon as nominated)	2018-2021	in-kind contributions	ongoing	Decision RA VI-17/6	Nr of Members that edited their national register pages of the WMO Register of Alerting Authorities		
To join the World Weather Information Service (WWIS) initiative, provide forecasts for at least 5 days where possible and that they increase the number of cities for which they provide climate and forecast information;	RA VI Members	RA VI TT on WIS	Hong Kong Observatory	2018-2021	in-kind contributions of Members, national funding	ongoing	Decision RA VI-17/6	Nr of Members that joined the WWIS initiative and Nr of cities for which they provide climate and forecast information	weather forecast and climate information to the WWIS	a reminder could be sent to the Members through INTAD-6 and NFPs on PWS
To consider testing the UUID on high impact events, such as storms and associated extreme precipitation, wind, snow, hail and cold events; summer heat waves, floods, droughts and others;	Regional Climate Centre Network	RA VI Rapporteur on DRR, RA VI co-representatives/FPs in charge of climate services	RA VI Members	2018-2019	in-kind contributions	ongoing	Resolution 5 (RA VI-17)	Nr of Members participating in the test: 19 out of 50		The preparatory meeting for the test phase was conducted in July 2018 and launched on 10 September 2018 to continue over a sufficient period to deliver results and recommendations relevant for operationalization of the approach to the Eighteenth World Meteorological Congress in 2019;
To provide the necessary support for conducting the UUID test phase and facilitate the expert work for delivering conclusions and recommendations such as for fine-tuning the approach and understanding its implications for coordination and operationalization;	WMO Secretariat	RA VI Rapporteur on DRR, RA VI co-representatives/FPs in charge of climate services		2018-2019	RB, external funding, in-kind contributions of Members	ongoing	Resolution 5 (RA VI-17)	Nr of countries who volunteered to participate in the test phase and their focal points	The test phase will deliver reports at various stages of the test phase. An interim report expected by January 2019 to inform on the adequacy and gaps of the technical aspects as well as on the lessons learned thus far including on identified and potential implications on NWS and other entities (responsibilities, organisational aspect, work load and resources). RCC and Countries should work together to provide a summary of the test phase by March 2019. The report will enable decision making at Congress. The report should include among other conclusions the degree of success, gaps and recommendations implementation including recommendations on technical aspects as well	
To assist in providing needed data, analysis and forecasts as required for testing UUID over Europe.	regional institutions such as the ECMWF, the European Commission JRC and the European Climate Assessment and Data set Initiative	RA VI Rapporteur on DRR, RA VI co-representatives/FPs in charge of climate services	RCC Network	2018-2019	in-kind contributions	recurrent	Resolution 5 (RA VI-17)	Nr of regional institutions assisting the test		
To assist the Secretariat in updating the information on the OMS implementation by RA VI Members	RA VI Members	RA VI Rapporteur on Aviation Meteorology	INTAD-6, RA VI rapporteur on aviation meteorology	by 31 January 2019	in-kind contribution	ongoing	Decision RA VI-17/8	Nr of Members that implemented OMS		the new International Organization for Standardization (ISO) 9001:2015 standard enters into force in September 2018, a new Guide is published to facilitate this transition
To engage in cross-border SIGMET coordination through arrangements with their neighboring Members leveraging the experience and guidance gained by using a sub-regional coordination approach, such as the MET Alliance, the Northern Europe Aviation Meteorology Consortium (NAMCON), and the Russian Federation – Belarus bilateral arrangements;	RA VI Members not yet engaged in cross-border SIGMET coordination	RA VI Rapporteur on Aviation Meteorology	EUMETNET Avimet, ICAO Meteorological Working Groups	2018-2021	in-kind contribution, national funding	ongoing	Decision RA VI-17/8			How many new MoU or Agreements have been established in RA VI?
Long-term implementation (till the end of interseasonal period 2021)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status	Related decision	Key Performance Indicators	Expected Deliverable (Outputs, Outcomes, Impacts)	Notes
To support the introduction of competency standards into marine forecasting and supporting compliance to these standards within their NMHS;	RA VI Members	MG RA VI	WMMIWS	2018-2021	in-kind contributions	ongoing	Decision RA VI-17/7	Nr of RA VI Members providing services for WMMIWS;		France, Greece, Norway, Russian Federation and UK -all METAREA coordinators (100%). The forthcoming meeting of the WMMIWS Committee in
To participate in the Association's working groups and activities that involve the WIS;	chairperson of the CBS Expert Team on Communication Techniques and Systems ex officio	RA VI Task Team on WIS	TT on WIS	2018-2021	RB	not yet started	Resolution 12 (RA VI-17)	Nr of meetings participating in	meeting reports, the outcome: RMDCN activities are aligned with WMO community requirements	The TT on WIS needs has been established, TT on ICT of the SEEMHEWS
To send real time reports directly to their principal and secondary GISCs;	RA VI Members	RA VI Task Team on WIS	WMO Secretariat	2018-2021	in-kind contributions	ongoing	Resolution 12 (RA VI-17)	Nr of Centres sending information direct to their GISCs	establishment of direct data flow between centres and their GISC	WIS monitoring system is used by the Secretariat to monitor the status
To deliver and to participate in the training identified in the Annex to Resolution 12 (RA VI-17);		RA VI Task Team on WIS	WMO Secretariat, TT on WIS	2018-2021	national funding	not yet started	Resolution 12 (RA VI-17)	Nr of courses run by GISCs	courses	
To offer additional training related to the WIS and to inform the Secretary-General of their intentions;		RA VI Task Team on WIS		2018-2021	national funding, in-kind contributions	not yet started	Resolution 12 (RA VI-17)	Nr of additional courses run by the Members	additional courses	
To undertake pilot projects that inform, evolve or validate the concepts and implementation of WIS 2.0 and to share knowledge, technology and expertise from these projects to support adoption of WIS 2.0;		RA VI Task Team on WIS	advanced Members could volunteer, GISCs, TT on ICT of SEEMHEWS	2018-2021	in-kind contributions	ongoing	Resolution 12 (RA VI-17)	Nr of Members participating in WIS 2.0 development and implementation (Germany, France and UK)	contribution to the development of WIS 2.0	Resolution 8 (EC-69) endorsed the WIS 2.0 strategy, as listed in the Annex to Recommendation 35 (CBS-16); taking account of the EC-70 resolution 7.2(1)
To coordinate and facilitate RCC/RCC-Network operations, in particular in the context of C3S emergency, and also to actively support the implementation of the Arctic PRCC-Network	The RA VI RCC Network	RA VI co-representatives in charge of climate services	WMO EC Panel of experts on Polar and High-mountain Observations, Research and Services (EC-PHORS), Commission for Climatology (CC) and Commission for Basic Systems (CBS)	2018-2021	tbd	ongoing	Decision RA VI-17/19			
To explore the feasibility of, and to initiate producing, a regular Annual Statement on the Status of Regional Climate in RA VI targeting the general public and policy makers and highlighting key headline indicators, such as temperature, precipitation, cryosphere, sea level, major droughts and floods, and other high impact extreme events, including wildfires, given that such a regional scale annual climate assessment will add value to WMO climate monitoring by providing coherent synthesis of the behavior of such indicators across the region;	RA VI RCC Network	RA VI co-representatives in charge of climate services	RA VI representative in charge of climate services	2018-2021	tbd	ongoing	Decision RA VI-17/19	regular issue of the annual statement: X out of 4	annual statement is produced: general public and policy-makers benefit of it: It is an input to the global statement	
To regularly report to the WMO Secretariat on the use and quality of the GDPFS products and services over their countries and territories, who in turn, would summarize the feedback towards the GDPFS centres for the improvement of the system;	RA VI Members	RA VI Rapporteur on SPDPFS		2018-2021	RB	recurrent	Recommendation 2 (RA VI-17)			
To pilot a Seamless Data-processing and Forecasting System at national and regional levels based on the guidance/proposals defined in the implementation plan, and share the results and lessons learnt with all WMO Members in order to improve the process.	advanced GDPFS Centres in RA VI	RA VI Rapporteur on SPDPFS	EC SG on GDPFS, RA VI representative in EC SG DPFS	June 2019-2021	in-kind contributions of Members, national funding	not yet started	Resolution 13 (RA VI-17)			after Cg-18
To give their representative in the CAS MG clear indication of their needs regarding research in meteorological, climatological and hydrological areas, guided by the priorities for RA VI.	RA VI Members	RA VI representative in the CAS MG	RA VI representative in the CAS MG	2018-2021	in-kind contributions	recurrent	Decision RA VI-17/20			This is Jorg Klausen from Meteoswiss

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To support the participation of NMHS representatives from RA VI in the various groups that constitute the WMO DRR governance structure at physical and virtual meetings within the available budgetary resources:	RA VI Members	RA VI Rapporteur on DRR	WMO Secretariat	2018-2021	RB, external funding, in-kind contributions of Members	recurrent	Resolution 4 (RA VI-17)			
to support SEE-MHEWS-A, as appropriate:	relevant international organizations and European Commission relevant programmes/projects	RA VI Rapporteur on DRR	entities and groupings of RA VI, WMO Sub-regional Project office, established in Zagreb, Croatia	2018-2022, till the SEE-MHEWS-A becomes operational and beyond this timeline, as necessary	Project Fund and in-kind contributions, as necessary	recurrent	Resolution 4 (RA VI-17)		It will focus on implementing a Centralized Observational Database, a suite of coupled meteorological, hydrological and marine/oceanographic prediction models, and a Common Information (and Communication) Platform, including several tools, such as for the post-processing, nowcasting, visualisation and cross-border communication among forecasters. It will also focus on preparing a framework for sustained operations and maintenance of the implemented advisory system that will contribute to the WMO GMAS concept.	the kick off meeting of the project was on 14-15 May 2018
to support the development and implementation of SEE-MHEWS-A through WMO Regional Office for Europe and its sub-regional Project office established in Zagreb, Croatia	WMO Secretariat	RA VI Rapporteur on DRR	Project Advisory Group, supported by Task Teams, under the responsibility of Project Steering Committee and in coordination with Project Partners, contributing stakeholders and the WMO and co-sponsored Programmes.	2018-2022, till the SEE-MHEWS-A becomes operational and beyond this timeline, as necessary	Project Fund	recurrent	Resolution 4 (RA VI-17)			the kick off meeting of the project was on 14-15 May 2018
to coordinate and mobilize support from international and regional entities such as development agencies, European Commission, World Bank and others, to aid NMHSs in RA VI in implementing the SEE-MHEWS-A Project.	RA VI Members	WMO Sub-regional Project office, established in Zagreb, Croatia	international and regional entities such as development agencies, European Commission, World Bank and others	2018-2022, till the SEE-MHEWS-A becomes operational	USAID	recurrent	Resolution 4 (RA VI-17)			
To strengthen Met-Ocean forecasting services including the delivery of the IMO/WMO Worldwide Met-Ocean Information and Warning Service, and ensuring, as appropriate: (a) The role of METAREA Coordinators; (b) The nomination of national marine services focal points for Members' domestic coastal services; (c) The enhancement of the provision of Maritime Safety Information, including the Arctic	RA VI Members	RA VI MG	WMO Secretariat, WMMIWS Committee	2018-2021	RB, external funding, in-kind contributions of Members	ongoing	Decision RA VI-17/7	Nr of participants in the training courses and workshops: Nr of Members nominated as RSMC for wave model or ocean model prediction (France): Nr of Members utilizing more than 1 wave model or ocean model in their marine forecast process.	Operations Handbook for METAREA coordinators with annual updates available on the JCOMM website; RMSCs models predictions	a survey on Members capabilities is prepared by the WMO Secretariat to collect the responses in two months (May-June) for the EC-70 and based on the results to develop the relevant training courses and workshops. In future, UK could be nominated as RSMC for wave or ocean model prediction
To strengthen collaboration with the Copernicus-Marine Environment Monitoring Services, the relevant Working Groups of the Arctic Council and their relevant Projects on Maritime Safety in the Arctic region:	RA VI Members	RA VI MG	JCOMM Chairperson of the Expert Team on Operational Ocean Forecasting system (France); Finland, Norway, Denmark, Russian Federation, METAREA coordinators from RA VI	2018-2021	in-kind contributions of Members, national funding	ongoing	Decision RA VI-17/7	participation in relevant Arctic Council Working Groups (3 or 4); nr of courses and workshops on marine and ocean meteorology related matters conducted jointly with COPERNICUS Programme	PAME Polar Code web portal is up to date (to increase awareness on meteorology related matters)	Helge Tangen of Norway Met Service who is the METAREA Coordinator for METAREA XIX and who is also heavily involved in Arctic Initiatives, including with the GCW and the proposed Regional Climate Centre for the Arctic. Helge may be able to provide some wise advice and relevant contacts for RAVI to connect in the interest of strengthening
To provide regular updates on the status of their compliance with the WMMIWS and WMO requirements for the provision of marine meteorological services, including any implementation difficulties thereof:	RA VI Members	RA VI MG	METAREA coordinators from RA VI	2018-2021	in-kind contributions of Members, national funding	recurrent	Decision RA VI-17/7	Nr of METAREA coordinators providing updates upon demand	Report of METAREA self-assessment available on the JCOMM website	usually every two years
To ensure expert support to marine meteorology regional activities aimed at capacity development in the above implementation focus areas.	the co-presidents of the Joint Commission for Oceanography and Marine Meteorology	RA VI MG	WMO Secretariat; JCOMM Task Team on competency and RTCs	2018-2021	RB, external funding, in-kind contributions of Members	ongoing	Decision RA VI-17/7	Nr of training courses and workshops	Training materials available through the RTCs	based on the results of a WMO survey on Members capabilities, the relevant training courses and workshops will be prepared
To consider the outcomes of the European Conference on Meteorology for Aviation (ECMA-2015), the EC-69 Special Dialogue on the Future of Aeronautical Meteorological Services, and the Aeronautical Meteorology Scientific Conference (AeroMetSci-2017) in the planning of the future aeronautical meteorological systems, services and related research	RA VI Members	RA VI Rapporteur on Aviation Meteorology	RA VI Rapporteur on Aviation Meteorology	2018-2021	in-kind contributions	not yet started	Decision RA VI-17/8			a reminder could be sent to the Members through INTAD-6 and Rapporteur on Aviation Meteorology
To strengthen the partnership and coordination with relevant regional and national aviation stakeholders (regulators, other air navigation service (ANS) providers, airport management, airline users) to further a user-focused development and provision of advanced value-added meteorological services for air traffic management:	RA VI Members	RA VI Rapporteur on Aviation Meteorology	RA VI Rapporteur on Aviation Meteorology	2018-2021	in-kind contributions	ongoing	Decision RA VI-17/8			To communicate to all RA VI the results of the EUMETNET General Assembly on Aviation Strategy
To share information on national cost-recovery mechanisms for aeronautical meteorological service provision in view of improving implementation guidance and to facilitate their harmonization, as demanded by industry, and to leverage the EUMETNET's experience in this regard:	RA VI Members	RA VI Rapporteur on Aviation Meteorology	EUMETNET; RA VI Rapporteur on Aviation Meteorology	2018-2021	in-kind contribution	ongoing	Decision RA VI-17/8			
To participate and contribute to the development of WMO GMAS	RA VI Members	RA VI Rapporteur on DRR	regional, subregional and national platforms, such as Meteoalarm of EUMETNET and MeteoAlert of Roshydromet, WMO Alert Hub and Google Public Alerts	2018-2021	in-kind contributions	ongoing	Resolution 3 (RA VI-17)		The Members are aware of the GMAS concept. The Members participate and contribute to the development of GMAS	
To participate and support the development of the CHy Implementation Strategy for the End-to-End Early Warning Systems (E2E EWS) for flood forecasting (using the Community of Practice approach):	RA VI Members	RA VI TT on Hydrology, RA VI rapporteur on FFI	RA VI Hydrological Advisor, the volunteer countries, most advanced in the flood forecasting (ex. Romania, Czech Republic, France, etc.)	2018-2020	in-kind contributions of Members	not yet started	Resolution 1 (RA VI-17)			Step 1. The development is ongoing by the CHy TT on Assessment Guidelines and is expected to end by the next CHy session
To take steps to ensure closer cooperation between meteorological and hydrological communities allowing the consequent design and implementation of End-to-End Early Warning Systems for flood forecasting:	RA VI Members	RA VI TT on Hydrology, RA VI rapporteur on FFI	NMSs and NHSS	2018-2021	in-kind contributions	not yet started	Resolution 1 (RA VI-17)	Nr of MoUs between NMHSs and NHSS:		Step 2. MoUs could be concluded between both NMS and NHS, as necessary
To engage its Members in the CHy Implementation Strategy for the End-to-End Early Warning Systems (E2E EWS) for flood forecasting (using the Community of Practice approach), exploring possible avenues of cooperation to increase Member capabilities to provide early warning of flooding, in line with the provisions of Resolution 6 (CHy-15):	RA VI Members	RA VI TT on Hydrology, RA VI rapporteur on FFI	Hydrological Forum could lead to the establishment of the Community of Practices on Flash Flood in RA VI. Yuri Simonov could be invited to assist in this regard	2018-2021	in-kind contributions	not yet started	Resolution 1 (RA VI-17)	Nr of Members engaged in the CHy Implementation Strategy for the End-to-End Early Warning Systems (E2E EWS) for flood forecasting		Step 3 (the E2E chain for flood forecasting: from data collection, management and quality control to modeling, forecast production and dissemination); the Community of Practice is a group of hydrologists improving FF methods and sharing their findings)

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RA VI WORK PLAN 2018-2021

Priority area No 3: Impact based services: Training and sharing information								Responsible in MG: Jean-Marc Lacave and Adrian Gerhard			
Short-term implementation (up to 6 months)											
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Expected Deliverable (Immediate-Outputs; mid-term-Outcomes; long-term-Impacts)	Notes	
To continue in their designation as RTCs until the next opportunity for external review by the Executive Council Panel of Experts on Education and Training and the subsequent Executive Council decision;	WMO RTCs in Israel, Italy, Russian Federation and Turkey	WMO RTC Turkey	EC, WMO Secretariat	2018	n/a	implemented	Recommendation 3 (RA VI-17)			The extent for reconfirmation is to be approved at the EC-70	
To support Drought Management Center for SEE by exchanging relevant data and information, nominate focal points for technical activities of the DMC SEE and provide contents for regional products as the Monthly DMCSEE bulletin;	RA VI Members	RA VI Rapporteur on DRR	WMO Secretariat	2018	in-kind contributions	recurrent	Resolution 2 (RA VI-17)				
Mid-term implementation (up to 2 years)											
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Expected Deliverable (Outputs; Outcomes; Impacts)	Notes	
To support DMCSEE to further operationalize its activities in the existing countries in the coverage of the Center and then explore expanding DMCSEE activities with sub-regional centres in Central Europe and South Caucasus;	RA VI Members	RA VI Rapporteur on DRR	RA VI Members from Central Europe and South Caucasus	2018-2021	in-kind contributions	not yet started	Resolution 2 (RA VI-17)		subregional centres in Central Europe and South Caucasus are established	to be included in the agenda of the ICCEED and ICHCIS meetings for discussion and agreement on the steps forward	
To establish a RA VI Trust Fund to assist Members with regional weather and climate and monitoring, training, secondments and regional hazard early warning systems in order to further support regional institutions such as DMCSEE;	WMO Secretariat	RA VI MG	Regional Office for Europe	2018-2021	n/a	ongoing	Resolution 2 (RA VI-17)	Nr of Members contributing to the TF:		RoE will follow up	
To explore the development of a regional Agrometeorological Centre to assist countries with relevant agrometeorological data and information such as soil moisture and phenology, further elaboration of agrometeorological bulletins and services, and training activities.	RA VI Members	RA VI MG	CgM, CBS, interested Members to candidate for hosting the Centre	2018-2021	national funding, in-kind contributions	ongoing	Decision RA VI-17/3	Nr of Members contributing to it:	the criteria and the ToRs of such a Centre are developed by the CgM and CBS	on 19 July 2018 the RA VI president addressed a letter to the presidents of the concerned TCs (AgM and CBS) requesting expert support in the development of criteria and ToRs of the AgM Centre. A draft document with criteria and ToRs was developed by Roger Stone and sent to the Secretariat for the feedback on 19 September 2018. This will be submitted to the	
To share best practices and case studies and contribute to the development of guidelines on urban environment service delivery.	RA VI Members	MG RA VI	NFPs on PWS, a consultant (hired by the Secretariat), a community of best practices (to be)	2018-2019	RB	not yet started	Decision RA VI-17/5				
To develop urban integrated hydrometeorological, climate and environment services so as to provide decision makers and society with seamless integrated urban services;	RA VI Members	MG of RA VI	WMO Secretariat (Research Department and the WDS Department)	2018-2019	RB	ongoing	Decision RA VI-17/5			A Concept Note on PWS Programme assistance to NMHSs to develop operational urban focused service delivery: The Guidelines on operational urban services will be submitted to the Co-18 for approval	
Long-term implementation (till the end of interseasonal period 2021)											
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes	
To support the training activities on WIS identified in the Annex to this Resolution and to facilitate sponsorship where identified.	WMO Secretariat	RA VI TT on WIS	RTCs	The Annex is given below	RB	not yet started	Resolution 12 (RA VI-17)	nr of courses conducted:	increase in the knowledge of WIS measured by the Monitoring and Evaluation System of WMO	8 courses are planned by the GISCs, see the Annex to the Resolution	
To work with the DMCSEE to further institutionalize its links and the interactions with IDMP for CEE and EDO;	WMO Secretariat	RA VI Rapporteur on DRR	DMCSEE, Integrated Drought Management Programme, European Drought Observatory of the Joint Research Center	2018-2021	in-kind contributions	recurrent	Resolution 2 (RA VI-17)			to ensure the collaboration with the Central European countries, joint meetings are conducted. The Regional Programme for Central and Eastern Europe (IDMP CEE) was the first regional programme of the IDMP and involves the following countries: Bulgaria, Czech Republic, Hungary, Lithuania, Poland, Republic of Moldova, Romania, Slovakia, Slovenia and Ukraine.	
To investigate a community of practice for sharing best practices and case studies;	RA VI Members	RA VI Rapporteur on DRR	NFPs on PWS	2018-2021	in-kind contributions	not yet started	Decision RA VI-17/4			an International Symposium on IBF is planned for 2019, in Korea (tbc).	
To encourage Members to implement impact-based forecast (IBF) and warning services in order to enable impact-based decision support services;	RA VI Members	RA VI Rapporteur on DRR	WMO Secretariat, A Community of best practices on IBF	2018-2021	tbd	ongoing	Decision RA VI-17/4	Nr of Member that implemented the Impact-based forecast and	Impact-based forecast and warning services are implemented	WMO Guidelines on Multi-Hazard Impact-based forecast and warning services	
To develop requirements for impact-based services for polar regions and high mountain areas as demand for such services continues to rise due to increased human activities as a result of climate change;	RA VI Members	Finland	EC PHORS	2018-2021	tbd	ongoing	Decision RA VI-17/4			A survey will be circulated before EC-70 to assess the Members needs	
To encourage training activities in support of impact-based forecast and warning services;	RA VI Members	PWS in collaboration with ETR Office, PR of Cyprus with WMO	Regional Training Centres	2019-2021	tbd	not yet started	Decision RA VI-17/4			An International Symposium on IBF is planned for 2019.	
To support the development of multi-hazard, impact-based forecast services in the marine sector;	RA VI Members	MG of RA VI (Jean-Marc Lacave and Adrian Gerhard)	Copernicus-Marine Environment Monitoring Services (CMEMS); Relevant Working Groups of the Arctic Council and their relevant Projects on Maritime Safety in the Arctic region: WWMIWS Committee, EC PHORS	2018-2021	tbd	not yet started	Decision RA VI-17/7	Nr of Members providing marine impact based services	User requirements for RA VI are collated	An International Symposium on IBF is planned for 2019.	

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To regularly update their profiles on the Country Profile Database (CPDB) and provide Monitoring and Evaluation (M&E) data, as needed;	RA VI Members	MG of RA VI (Jean-Marc Lacave and Adrian Gerhard)	National Focal Points on Gender and National Focal Points on CPDB, WMO Secretariat, DRA Department	2018-2021	in-kind contributions	recurrent	Decision RA VI-17/23	Nr of completed country profiles in the database	updated country profiles in the database	
To support DMCSEE by exchanging relevant data and information, nominate focal points for technical activities of the DMC SEE and provide contents for regional products as the Monthly DMCSEE bulletin;	RA VI Members	RA VI Rapporteur on DRR	focal points for technical activities of the DMC SEE; DriDanube	2018-2021	in-kind contributions	ongoing	Resolution 2 (RA VI-17)			

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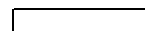
Priority area No 4: Hydrology: observations network, data exchange/WHOS regional implementation, forecasting and service delivery										Responsible in MG: Arni Snorrason
Short-term implementation (up to 6 months)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To liaise with CEN TC 318 on the theme of network design to provide consistent and coherent guidance to the Members;	RA VI Members	RA VI TT on Hydrology	WMO Secretariat, RA VI Hydrological Advisor, CHy	2018	WMO Regular Budget (RB)	ongoing	Resolution 9 (RA VI-17)		consistent and coherent guidance on the theme of network design	A representative of the Technical Committee for the European Committee for Standardization will be invited to the RA VI Hydrological Forum
Mid-term implementation (up to 2 years)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To nominate the national focal point for WHOS;	RA VI Members	RA VI TT on Hydrology	Hy Advisors, WMO Secretariat	2018	in-kind contributions of Members	not yet started	Resolution 9 (RA VI-17)	Nr of Members with National Focal Points for WHOS		
To prepare mechanisms to facilitate the integration of hydrological metadata into OSCAR;	WMO Secretariat	RA VI TT on Hydrology in collaboration with RA VI TT on WIGOS; RA VI Rapporteur on WHOS	Meteoswiss, Project TT OSCAR Development	2018-2019	RB, in-kind contributions	ongoing	Resolution 9 (RA VI-17)	Nr of Members part of WHOS: Nr of Members that integrated hydrological metadata into OSCAR:	Members are aware of WHOS and implemented it; Hydrological metadata is integrated into OSCAR	
Long-term implementation (till the end of intersessional period 2021)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To raise adequate resources to support the organization of the two intersessional meetings of Hydrology Forum of RA VI.	WMO Secretariat	ROE	RA VI Members	2018-2021	RB, in-kind contributions	ongoing	Resolution 14 (RA VI-17)	internal budgetary allocations: level of in-kind contribution of the host country/institution in %:	2 meetings of the RA VI Hydrology Forum	Water issues are very high in WMO 2018 agenda, demanding for budget resources being concentrated on 2 events, i.e. WMO HydroConference - Prosperity through Hydrological Services and the special dialogue on water during the EC-70 (25 June). That's why the RA VI Hydrology Forum is planned for early 2019, with full budgetary allocation available and more time for planning and organizing.
To make the hydrological data and appropriate metadata available through WHOS, taking into account national and international data regulations;	RA VI Members	RA VI TT on Hydrology	Regional Focal Point on WHOS, Regional Hydrological Advisor	2019-2021	in-kind contributions of Members	not yet started	Resolution 9 (RA VI-17)			The RA VI Hydrological Forum in April 2019 will focus on Hydrological network and data management and will discuss the next steps
To take concrete steps to improve the monitoring capacities at national and regional level, also through enhanced international cooperation, in synergy with activities of the WMO CHy such as HydroHub and WHOS, among other international programmes as well as the Global Cryosphere Watch;	RA VI Members	RA VI TT on Hydrology	RA VI FP on WHOS, RA VI Hydrological Advisor, the South Caucasus region is considering to pilot a GMAS demonstration project to launch new service on snow monitoring for High Mountain Region	2019-2021	external funding	not yet started	Resolution 9 (RA VI-17)			The task will be discussed at the Cryosphere Workshop, planned for 2019 in Eurasia Region and at the the RA VI Hydrology Forum (with an agenda item on Network design)
To identify and communicate to the HydroHub Advisory Council needs and gaps in hydrological data collection, measuring technology, data interpretation tools and hydrological information systems that could be addressed by the HydroHub	RA VI Members	RA VI TT on Hydrology	CHy, RA VI Hy Advisor	2018-2021	in-kind contributions of Members	not yet started	Resolution 9 (RA VI-17)			a Survey on Members capabilities will be circulated

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To take steps to ensure closer cooperation between meteorological, cryosphere and hydrological communities allowing the consequent design and implementation of end-to-end systems (measured data, models, forecasts, warning dissemination) for water resource assessment and management, as well as forecasting; with the limitations imposed by national data policies, as well as the national allocation of competences in the dissemination of alerts;	RA VI Members	RA VI TT on Hydrology	RA VI Hydrological Forum	2018-2021	in-kind contributions of Members	ongoing	Resolution 9 (RA VI-17)			To be discussed by the RA VI Hydrological Forum
To contribute to the identification and definition of products related to Hydrological Status and Outlook System;	RA VI Members	RA VI TT on Hydrology, RCC Network; Rapporteur on WHOS	UK Centre for Ecology and Hydrology	2019-2021	extrabudgetary resources	not yet started	Resolution 9 (RA VI-17)			To be discussed by the RA VI Hydrological Forum, and RCC network coordinator
To provide technical support and training to Members and regional and sub-regional institutions desiring to provide their hydrological data to WHOS, also through the implementation of MCH and WaterML 2.0;	WMO Secretariat	RA VI TT on Hydrology	Open Geospatial Consortium	2018-2021	RB, Extrabudgetary	ongoing	Resolution 9 (RA VI-17)			upon Members demand

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Priority area No 5: Arctic and High Mountain Areas: Observations, Research and Services								Responsible in MG: Arni Snorrason			
Short-term implementation (up to 6 months)											
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes	
Mid-term implementation (up to 2 years)											
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes	
To actively collaborate with the new Arctic PRCC Network, during its demonstration phase and beyond, to share experience and foster consistency in products and approach.	RA VI RCC Network	RA VI MG (Arni Snorrason)	the new Arctic PRCC Network	2018-2019	in-kind contributions, RB	ongoing	Decision RA VI-17/18	Nr of teleconferences	The First Forum of the Arctic PRCC Network was conducted successfully in March 2018: The implementation plan of the Arctic PRCC Network is endorsed by EC-70: the importance of the cryosphere in the earth system model is reflected	Helge Tangen, MET Norway, THE APRCC Network Coordinator; PARCOF in May 2018, followed by a Network meeting	
To organize in 2019 a workshop to address the cryosphere-related challenges (observations, data exchange, products, and the like) in the Eurasia region and interested neighboring countries.	RA VI Members	RA VI MG (Arni Snorrason)	GCW and the Commission for Hydrology, CIMO	2019, prior the forthcoming WMO Congress, i.e in May	external funding	ongoing	Decision RA VI-17/18	level of contributions of interested countries: Nr of Members participating in the Workshop	the cryosphere-related challenges (observations, data exchange, products, and the like) in the Eurasia region and interested neighboring countries are identified and a suggestion to address them is proposed through a Demonstration project in Eurasia	Under the leadership of RA VI, GCW and EC PHORS, WMO is organizing a High Mountain Summit in 2019, in the process of being rescheduled. It will link to the 2019 Workshop in Eurasia with specific goals from the Summit, as a demonstration project. A WMO High Mountain Summit Steering Group meeting has been conducted in Geneva during EC-70	
Long-term implementation (till the end of interseasonal period 2021)											
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes	
to contribute with additional existing stations to the Global Cryosphere Watch (GCW) observing network; *	RA VI Members in the Arctic and mountain regions where cryosphere is present, seasonally or permanently	RA VI MG (Arni Snorrason)	WMO Secretariat	2018-2021	in-kind contributions	not yet started	Decision RA VI-17/18	Nr of additional existing stations contributing to the Global Cryosphere Watch observing network	the sustained observations of the cryosphere are available globally; the importance of the cryosphere in the earth system model is reflected	Currently, 10 Member countries in Regional Association (RA) VI have stations associated with the GCW observing network. Decision 45 (EC-69) approved 120 CryoNet and contributing stations for the GCW surface observing network.	
To include operationally, as highly recommended functions, certain cryosphere forecast and analytical products recommended jointly by the Arctic PRCC-Network, under development, with criteria for and descriptions of the proposed products provided in collaboration with GCW;***	the RA VI RCC Network	RA VI MG (Arni Snorrason)	the Arctic PRCC-Network	2019-2021	tbd	not yet started	Decision RA VI-17/18			Helge Tangen, MET Norway, The APRCC Network Coordinator	
To contribute to and advise on cryosphere matters for the relevant RA VI statements on regional climate.	Global Cryosphere Watch	RA VI MG (Arni Snorrason)	the Arctic PRCC-Network	2020	RB	not yet started	Decision RA VI-17/18		the importance of the cryosphere in the earth system model is reflected		
To continue its leadership role on the further implementation of space based observations of the arctic and high mountain regions, including using high elliptical orbit satellites and emerging technologies such as nanosatellites	RA VI Members	RA VI MG (Arni Snorrason)	Polar Space Task Group of EC PHORS	2018	in-kind contributions, RB	recurrent	Decision RA VI-17/18			EC-70 will decide on the review of the PSTG ToRs	
to seeking funding opportunities through public private partnerships, including telecom partners.	RA VI Members	RA VI MG (Arni Snorrason)	public private partnerships, including telecom	2018-2021	tbd	not yet started					
To strengthen its role in the coordination of the provision of services in arctic and high mountain regions, reflecting the importance of the cryosphere in the earth system model.	RA VI Members	RA VI MG (Arni Snorrason)	Arctic RCC & RA VI RCC, GCW	2018	in-kind contributions	ongoing			the importance of the cryosphere in the earth system model is reflected		
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Priority Area No 6: WIGOS - Implementation and Regional Centers								Responsible in MG: Cristina Aliante Eklund and Kornelia Radics		
Short-term implementation (up to 6 months)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To nominate their national WIGOS and OSCAR/Surface focal points if they have not already done so: That the national Focal Points for WIGOS, OSCAR/Surface actively support the integration of partner observing networks and stations in WIGOS, such as those contributing to the observing component of the Global Cryosphere Watch;	RA VI Members	RA VI TT on WIGOS	WMO Secretariat	2018	in-kind contributions of Members	ongoing	Resolution 6 (RA VI-17)	Nr of NFPs for WIGOS: 37 out of 50; Nr of NFPs for OSCAR/Surface:	The partner observing networks and stations in WIGOS are integrated	
To consider proposing experts to represent WMO matters in their national spectrum management bodies;	RA VI Members	TT on WIGOS	EUMETNET, EUMEFreq, NFPs on WIGOS, TT WIS on Communication issues	2018	in-kind contributions of Members	not yet started	Decision RA VI-17/11	Nr of experts in the national spectrum management bodies:	WMO matters are represented in the national spectrum management bodies	
To activate national GCOS coordinators, designated by the relevant division at national governmental level responsible for the coordination of climate observation, who will provide regular reports and assesses progress made in national coordination in compliance with the coordinator's responsibilities; and who establishes a national climate observations inventory.	RA VI Members	MG of RA VI (Cristina Aliante Eklund and Kornelia Radics)	GCOS Secretariat, ROE	2018	in-kind contributions of Members	not yet started	Decision RA VI-17/17	nr of national coordinators annual meetings;	national status report on climate observations systems;	a national GCOS coordinator will coordinate the planning and implementation of systematic climate observing systems across the many national departments and agencies involved with their provision
To investigate the possibility of establishing in pilot mode a Regional WIGOS Center for the Adriatic Sea Area observing systems, located in Split, for a period of up to two years.	RA VI Members	RA VI TT on WIGOS, WMO Secretariat	Croatia, WIGOS Project, JCOMM	2018		not yet started	Decision 9 (RA VI-17)		Regional WIGOS Center for the Adriatic Sea Area observing systems	JCOMM to facilitate establishment of a WMO-IOC Regional Marine Instrument Centre (RMIC) for the Adriatic Sea as a distributed centre, whereby oceanographic Institute(s) would be providing service
To amend the WMO regulatory and guidance documents to reflect these new designations.	WMO Secretariat	RA VI TT on ABO	RA VI TT ABO	2018		ongoing	Resolution 11 (RA VI-17)		amended WMO regulatory and guidance documents	with the view to begin the Aircraft Meteorological Data Relay Programme in January 2019
To compile its requirements for AMDAR observations by July 2018	RA VI Members	TT on ABO	WMO Secretariat	Dec-18	in-kind contributions of Members	ongoing	Resolution 10 (RA VI-17)	Nr of contributing Members	compiled requirements for AMDAR observations	a letter was addressed to all PRs of RA VI to request that they signify their intent to join the AMDAR program under the collaboration and nominate the NFPs. We have until the end of 2018 to determine the
Mid-term implementation (up to 2 years)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To prepare mechanisms to facilitate the integration of hydrological metadata into OSCAR;	WMO Secretariat	RA VI TT on Hydrology	Meteoswiss, TT OSCAR Development	2018-2019	RB	ongoing	Resolution 9 (RA VI-17)	Nr of contributing Members	prepared mechanisms to facilitate the integration of hydrological metadata into OSCAR	
To support and contribute to a potential regional workshop on WIS, which will identify needs and regional cooperation.	RA VI Members	RA VI TT on WIS	TT on WIS	2019-2020	tbd	not yet started	Resolution 12 (RA VI-17)	nr of courses conducted:	the national knowledge of WIS as measured by the Monitoring and Evaluation Plan of WMO	
To begin the development of the WMO Region VI AMDAR Programme under the IATA-WMO Collaboration in January 2019 and potentially begin the operation of the programme in January 2020, if this timeline is possible.	RA VI Members	WMO Secretariat, RA VI TT on ABO	EUMETNET E-AMDAR Programme	Jan-19	RB, in-kind contributions	not yet started	Resolution 10 (RA VI-17)			WMO will put in place a full time resource from Q3 2018 to work with IATA and the airlines to ensure development of new AMDAR programs occurs over 2019, ready for operation from January 2020. As per the RA VI Resolution, this will all depend on the decision of Cg to support the establishment of the IWCAP. Steve Stringer, the leader of the RA VI TT ABO has organised for a meeting to be held on 20 September in Brussels with EUMETNET to discuss the process for the establishment of the extended RA VI
To review the candidate RBON stations proposed by Members, and to make recommendation to the president of the Regional Association for including them in the pilot RBON for RA VI;	RA VI TT on WIGOS	RA VI TT on WIGOS	Members	2018-2019	in-kind contributions, RB	not yet started	Decision 13 (RA VI-17)	Nr of candidate RBON stations proposed by Members	pilot RBON for RA VI	
Long-term implementation (till the end of interessional period 2021)										
Action	Responsible	Responsible in RA VI	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To put in place coordination mechanisms between Members operating the BLACKRAD and SEERAD networks to address the objectives listed in Annex 1 to the present decision;	RA VI Members in the Black Sea and the South-East Europe sub-regions	RA VI TT on WIGOS	RA VI Management Group	2018		ongoing	Decision 12 (RA VI-17)	the coordination mechanisms between Members operating the BLACKRAD and SEERAD networks are put in place	Operationalization of the Networks	The RA VI MG opted for a centralized approach, thus a Radar Data Center for Black Sea region and a Radar Data Center for SEE were established by the MG, as a component of a future WIGOS Center.

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To organize their activities so as to realize WIGOS goals and associated outcomes as described in the Plan;	RA VI Members	RA VI TT on WIGOS	NFPs on WIGOS, WIGOS Project	2018-2021	national funding	ongoing	Resolution 6 (RA VI-17)			A Workshop on WIGOS and Training on OSCAR is planned to be conducted
To continue to provide resources, including through the WIGOS Trust Fund and/or seconded experts, to help support the regional implementation of WIGOS;	RA VI Members	RA VI TT on WIGOS	RA VI TT on WIGOS	2018-2021	donations to the WIGOS Trust Fund	ongoing	Resolution 6 (RA VI-17)			to be discussed at the Directors's informal Conferences
To support the establishment of Regional WIGOS Centres;	RA VI Members	RA VI TT on WIGOS	RA VI MG, WMO Secretariat	2018-2021	in-kind contributions, external funding, WMO WIGOS TF	ongoing	Resolution 6 (RA VI-17)	Nr of Members establishing Regional WIGOS Centres: the RWC within EUMETNET was established by RA VI at the RA VI-17	RWCs	A letter should be address to the RA VI Members in this regard. A plan will be developed at a Regional Workshop followed by a meeting of the RA VI TT on WIGOS, in Minsk, October 2018
To communicate and promote benefits of WIGOS nationally;	RA VI Members	RA VI TT on WIGOS	NFPs on WIGOS, WIGOS Project	2018-2021	in-kind contributions of Members, national funding	recurrent	Resolution 6 (RA VI-17)			By developing the National WIGOS Implementation Plans
To actively promote the national implementation of WIGOS towards the goal of Earth Systems observations;	RA VI Members	RA VI TT on WIGOS	NFPs on WIGOS, WIGOS Project	2018-2021	in-kind contributions of Members, national funding	recurrent	Resolution 6 (RA VI-17)			through WIGOS web page, the WIGOS Newsletter, the RA VI Newsletter
To share experiences and lessons learned from the implementation of WIGOS, and WIGOS-related documentation with other Members in the Region;	RA VI Members	RA VI TT on WIGOS	NFPs on WIGOS, WIGOS Project	2018-2021	WIGOS TF, RB, in-kind contributions	recurrent	Resolution 6 (RA VI-17)			
To provide their progress reports on WIGOS implementation at the request of RA VI Management Group;	RA VI Members	RA VI TT on WIGOS	national WIGOS and OSCAR/Surface focal points, WIGOS Project Office	2019-2021	RB, in-kind contributions	recurrent	Resolution 6 (RA VI-17)			
To provide the necessary assistance and Secretariat support for the implementation of WIGOS by RA VI;	WMO Secretariat	RA VI TT on WIGOS	NFPs on WIGOS	2018-2021	WIGOS TF, RB	recurrent	Resolution 6 (RA VI-17)	nr of Members attending the Regional Workshops on WIGOS	Template of the WIGOS Implementation Plan	
To participate in relevant implementation activities as specified in the WIGOS implementation Plan (Table 2).	Partner institutions (EUMETNET, EUMETSAT, ECMWF, relevant EU bodies)	RA VI TT on WIGOS	RA VI Members, WMO Secretariat	2018-2021	WIGOS TF	recurrent	Resolution 6 (RA VI-17)			See the general Terms of Reference for Regional WIGOS Centers (Decision 3, EC-68);
To collaborate with the RWC to ensure that its Terms of Reference are met.	RA VI Members	RA VI TT on WIGOS	NFPs on WIGOS	2018-2021	national funding	recurrent	Resolution 7 (RA VI-17)			
To actively participate in the establishment and implementation of RWCs in RA VI, including for the RA VI (Eurasian) countries (using Russian as working language)	RA VI Members	RA VI TT on WIGOS	WMO Secretariat, partners	2018-2021	TBD	recurrent	Decision 9 and Decision 10 (RA VI-17)	Nr of Members covered by the RWC	the established RWC	to be discussed at the Directors's meeting of the ICH/CIS
To investigate the possibility of establishing in pilot mode a Regional WIGOS Center for RA VI (Eurasian) countries (using Russian as working language)	RA VI Members	RA VI TT on WIGOS	NFPs on WIGOS	2018-2021	TBD	ongoing	Decision 10 (RA VI-17)	the related decision of the ICH/CIS	the established RWC	
To continue to support the work of Steering Group on Radio Frequency Coordination (CBS SG-RFC) in order to ensure that all RA VI spectrum issues related to observation and communication systems are addressed by Steering Group on Radio Frequency Coordination;	RA VI Members	RA VI TT on WIGOS; RA VI Representative to the CBS SG RFC	CBS SG-RFC coordinates on behalf of RA VI in the Space Frequency Coordination Group (SFCG) and Coordination Group on Meteorological Satellites (CGMS).	2018-2021	in-kind contributions of Members, national funding	recurrent	Decision 11 (RA VI-17)			The handbook and the NMHS Guide to participation in Radio Frequency Coordination (WMO No 1159) are the basic tools for NMHS participation in frequency coordination and provide national frequency regulators and managers with information about NMHS' usage and dependency on spectrum. World Radiocommunication Conference (WRC-19) will take place in Sharm el-Sheikh (Egypt) from 28 October to 22 November 2019. A MoU with ECMWF is to be concluded on the operational work of the WIGOS data monitoring system
To continue to facilitate the participation and representation of RA VI NMHS experts in radio frequency coordination matters, including the Steering Group on Radio Frequency Coordination	WMO Secretariat	RA VI TT on WIGOS	RA VI representative to the Steering Group on Radio Frequency Coordination	2018-2021	tbd	recurrent	Decision 11 (RA VI-17)			
To comply fully with the standard times of observation, the global and regional coding procedures and data collection standards as laid down in Technical Regulations (WMO-No. 49), the Manual on the Global Observing System (WMO-No. 544), the Manual on Codes (WMO-No. 306), and the Manual on the Global Telecommunication System (WMO-No. 386);	RA VI Members	RA VI TT on WIGOS	RA VI TT on WIGOS	2018-2021	national funding	recurrent	Resolution 8 (RA VI-17)			

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To commit to GCOS requirements for GSN and GUAN, in terms of availability, content and quality to ensure that climate stations meet the minimum requirements of reporting monthly CLIMAT messages and radiosonde soundings from GUAN stations of up to 30hPa height levels.	RA VI Members	RA VI TT on WIGOS	RA VI TT WIGOS	2018-2021	in-kind contributions	recurrent	Decision 15 (RA VI-17)			as part of the regional implementation of WIGOS, a new Regional Basic Observing Network (RBON) concept is being introduced to replace and expand on the capabilities of the existing Regional Basic Synoptic Network (RBSN) and Regional Basic Climatological Networks.
To support the GCOS Cooperation Mechanism as an efficient mean to improve climate stations and to assist with the coordination of individual national efforts.	RA VI Members	RA VI TT on WIGOS	a designated Network Manager who administers a dedicated trust fund and uses the WMO procurement process to swiftly execute projects to renovate climate stations and improve climate observing systems.	2018-2021	GCOS TF	recurrent	Decision 16 (RA VI-17)	Nr of contributing Members	A Regional Workshop on GCOS conducted in 2019-2020: The expected output will describe regional plans and priority national needs.	
To provide support to the Members of the RA VI and, if possible, also to Members of other Regions.	all RICs of RA VI	RIC Network of RA VI	CIMO, manufacturers of instrument/observing systems	2018-2021	in-kind contributions of Members, national funding , external funding	recurrent	Resolution 11 (RA VI-17)			
To be proactive in promoting traceability throughout the region, and carrying out capacity development activities for Members.		RIC Network of RA VI	CIMO, manufacturers of instrument/observing systems	2018-2021	in-kind contributions of Members, national funding , external funding	recurrent	Resolution 11 (RA VI-17)			
To do their utmost to continue complying with the RIC Terms of Reference, and to strive to accreditation according to ISO 17025.		RIC Network of RA VI	Accreditation bodies	2018-2021	in-kind contributions of Members, national funding	recurrent	Resolution 11 (RA VI-17)			
To reconfirm their willingness to continue providing RIC services to Members of RA VI prior to the next session of the Association;		RIC Network of RA VI	RA VI Members, WMO Secretariat	2021	in-kind contributions of Members, national funding	not yet started	Resolution 11 (RA VI-17)			
To secure, at the earliest date possible, full implementation of the network of RBSN and RBCN stations and observational programmes set forth in Annexes 1 and 2 to the present resolution;	RA VI Members	RA VI TT on WIGOS, RA VI Management Group	WMO Secretariat	2018-2021	in-kind contributions of Members, national funding	ongoing	Resolution 8 (RA VI-17)			It will be superseded by RBON from 2020, once the Cg-18 approves it
To establish and maintain national and regional requirements for AMDAR observations and the resources for their provision and management	RA VI Members	RA VI TT on ABO	WMO Secretariat, IATA	2018-2021	national funding	recurrent	Annex to Resolution 10 (RA VI-17)			The draft Concept of operations for the IATA /WMO collaboration on AMDAR was presented at the RA VI-17 side-event
Color code	not yet started	ongoing	implemented	recurrent						

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Area No 7: Management									
Short-term implementation (up to 6 months)									
Action	Responsible	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
Put in place the working mechanism for the region to focus on delivering these priority areas.	RA VI Management Group	WMO Secretariat	2018	RB, in-kind contributions	implemented	Decision RA VI-17/2		the working mechanism for the Region	in May 2018 at MG-2, MG members shared the roles and responsibility on the priority areas, as follows: Kornelia Radics for ABO, Arni Snorrason for Hydrology, Polar and High Mountain, Cristina Eklund for WIGOS, Jean-Marc for Disaster Risk Reduction, including Impact based Forecast, Adrian Gerhard for WIS, Peter Binder for Data Policy and the CAS MG, Michael Staudinger for PPE. The ToRs should be available for all TTs and Rapporteurs, these ones will be used by the MG members responsible for the related priority areas
To make use of the RA VI experts working in the Technical Commissions, to assure a good communication between the Members, the TCs and the related WMO Programmes. Integration of external experts into the working bodies should be considered.	RA VI Management Group	WMO Secretariat	2018-2021	in-kind contributions	recurrent	Annex to Decision RA VI-17/2			to start its implementation at the MG-2 while setting up the working mechanism
To determine which RA VI working bodies would be most appropriate to explore the possibilities of integrating drought into regional MHEWS including building upon existing capabilities of RCCs and other organizations;	RA VI president	DMCSEE, CAgM Management Committee Focus Area 3 Expert Team Leader on Drought, Andrea Susnik, Slovenia, Meteoalarm and Meteoalert Projects & RA VI RCC Network, RA VI TT on Hydrology	2018-2021	tbd	implemented	Resolution 2 (RA VI-17)			
To include the appropriate tasks on marine meteorology in the Regional Operating Plan;	RA VI Management Group	WMO Secretariat	2018	in-kind contributions	implemented	Decision 7 (RA VI-17)			The current Regional Operating Plan, in particular its key elements such as the key performance indicators, is being integrated into the current Work Plan. This format will continue to be used in the next intersession period.
To support training on the Observing Systems Capability Analysis and Review tool (OSCAR)/Surface as a matter of great urgency;	RA VI Management Group	RA VI TT on WIGOS	2018		not yet started	Resolution 6 (RA VI-17)		Training on OSCAR tool	
To propose governance of the BLACKRAD and SEERAD networks in consultation with and concurrence of the Members of the relevant sub-regions, and with consideration of the guidance provided in Annex 2 to the present decision;	Regional Radar Centers for BlackRAD and SEERAD	RA VI TT on WIGOS	2018	RB, in-kind contributions	ongoing	Decision 12 (RA VI-17)	Nr of Volunteer Members to host the Centers	The Radar data Centers were established for SEERAD and BLACKRAD Networks; Volunteer Members to host the Centers are selected	
To nominate regional focal points for WHOS and to create an adequate mechanism which allows Members to actively contribute to the development of WHOS in support of hydrological data exchange.	RA VI president	Regional Hydrological Advisor	2018	RB, in-kind contributions	implemented	Resolution 9 (RA VI-17)			the WHOS implementation plan is submitted for approval to the EC-70: the CHy vice-president is invited to serve as Rapporteur on WHOS and as member of RA VI TT on Hydrology
To review and endorse for implementation the draft Operational Plan of the RA VI RCC-Network, that was developed as a follow up to the WMO RA VI Workshop on RCC Implementation (October 2016, Belgrade, Serbia)	RA VI Management Group	RCC Network coordinator	2018	in-kind contributions	implemented	Decision 19 (RA VI-17)			RCC should include operationally, as highly recommended functions, certain cryosphere forecast and analytical products recommended jointly by the Arctic PRCC-Network, under development, with criteria for and descriptions of the proposed products provided in collaboration with GCW; ***
To consider the regional representative of RA VI in the CAS Management Group as a crucial point of contact to the WMO research programmes and to task the regional representative to represent the agreed priorities of the region, promote the interaction of RA VI with the WMO research programmes for mutual benefit*, in particular in the context of implementing the principles towards better integrated research and development support to Members**.	RA VI Management Group	CAS Management Group, comprising leading scientists from universities, independent research institutes, governmental research institutes, including NMHSs, and industry, representatives of funding agencies, as well as regional representatives and chairs of GAW, WWRP, WGNE and WCRP***.	2018		implemented	Decision 20 (RA VI-17)			Jorg Klausen, Meteo Swiss
To establish the working structure of the Association as soon as possible, and to re-adjust the structure when needed, ensuring the continuation of activities envisaged and planned in accordance with the RA VI Operating Plan, taking into account the recommendation of the Regional Conference;	RA VI president	RA VI Management Group	2018	RB, in-kind contributions	implemented	Resolution 16 (RA VI-17)			The ROE will compare the Plans and will make use of the relevant elements, such as the Key Performance Indicators, for the MG Work Plan. The list of actions that could be implemented to be presented to the MG
To designate a member of the Management Group as responsible for gender equality	RA VI Management Group	n/a	2018	RB, in-kind contributions	implemented	Resolution 17 (RA VI-17)			RA VI Representative/ FP on Gender, Mrs Kornelia Radics
Incorporate gender in the RA VI Strategic and Operating Plans, including relevant Regional Key Outcomes and Regional Key Performance Indicators;	RA VI Management Group	RA VI Rapporteur on Gender Equality	2018	in-kind contributions	ongoing	Resolution 17 (RA VI-17)			The ROE compared the Plans and made use of the relevant elements, such as the Key Performance Indicators and Deliverables, for the MG Work Plan. The list of actions that could be implemented to be presented to the MG
Develop an action plan on implementation of the WMO Gender Equality Policy within the areas of responsibility of RA VI with appropriate resource allocation;	RA VI Management Group	RA VI Rapporteur on Gender Equality	2018	in-kind contributions	ongoing	Resolution 17 (RA VI-17)			RA VI Representative/ Rapporteur on Gender Equality, Mrs Kornelia Radics
To review the terms of reference of its Task Team on the WMO Information System or its successor to avoid duplication between those and the terms of reference of the RMDCN Operating Committee;	MG through the appropriate working mechanism (RA VI TT on WIS)	WMO Secretariat	2018	in-kind contributions, RB	implemented	Resolution 12 (RA VI-17)			To ensure the connection between the 2 groups the chairperson of the TT on WIS needs to sit on the ROC

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Mid-term implementation (up to 2 years)									
Action	Responsible	Contributors	Timeline	Budget	Status of implementation	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To reassess the role of Regional Telecommunications Hubs (RTHs) in the region, including operational, technical and capacity development aspects.	MG through the appropriate working mechanism (RA VI TT on WIS)	A potential subtask team on the RTH could be established under the TT on WIS.	2018	tbd	not yet started	Resolution 12 (RA VI-17)			EC-70 and Cg-18
To communicate the RA VI priorities to WMO EC and Congress.	RA VI Management Group	WMO Secretariat	2018-2019	RB, in-kind contributions	ongoing	Decision RA VI-17/2			
To steer further development and implementation of SEE-MHEWS-A in line with the WMO Strategic and Operational planning process, to contribute to the future development of WMO Global Multi-Hazard Alert System (GMAS), and to keep the Executive Council abreast of current developments.	RA VI president	RA VI Management Group	2018-2019	in-kind contributions	ongoing	Resolution 4 (RA VI-17)			Austria hosted the kick off meeting of the project
To oversee the establishment of the Regional Basic Observing Network in RA VI	RA VI Management Group	RA VI TT on WIGOS	2018-2019	in-kind contributions, RB	not yet started	Resolution 6 (RA VI-17)			

To support the establishment of the RWC in Split, Croatia	RA VI Management Group	JCOMM, WMO Secretariat, RA VI Members, who are candidates of hosting the RMIC, should be invited to discuss the issue with Croatia to elaborate the RMIC proposals.	2018-2019	RB, in-kind contributions	ongoing	Decision 9 (RA VI-17)			JCOMM to facilitate establishment of a WMO-IOC Regional Marine Instrument Centre (RMIC) for the Adriatic Sea as a distributed centre, whereby oceanographic institute(s) would be providing service for ocean instruments and measurements, and NMHS(s) involved in the making of marine meteorological observations would be providing service for such measurements and the
To develop the RA VI Regional Operating Plan 2020-2023, through identification of deliverables and activities with due account of the outcomes and recommendations of the Regional Conference, held prior to this RA VI session, and thus provide inputs to the WMO-wide Operating Plan 2020-2023.	The president, in consultation with the Management Group	Permanent Representatives of RA VI Members; WMO Secretariat (ROE)	2018-2019	in-kind contributions, RB	implemented	Decision RA VI-17/22			RA VI Operating Plan is being replaced by the current Work Plan, by integrating its key elements into the Work Plan to avoid redundancy and duplication of documents

Long-term implementation (till the end of intersessional period 2021)									
Action	Responsible	Contributors	Timeline	Budget	Status	Related decision	Key Performance Indicators	Deliverable (Outputs; Outcomes; Impacts)	Notes
To take into account the outcomes and recommendations of the Regional Conference, held prior to this RA VI session, in formulating the WMO-wide priorities 2020-2023 as a contribution to the WMO Strategic Plan 2020-2023 and initiate the process to develop the WMO-wide Operating Plan 2020-2023 with clear actions, timelines and indicators for the Regional Association, Technical Commissions and the Secretariat.	WMO Secretariat		2018-2019	in-kind contributions	implemented	Decision RA VI-17/22			to be considered for the next phase 2021-2024
To coordinate with RA VI Members the implementation of the WIGOS implementation Plan and consult with the appropriate technical commissions on technical aspects of the implementation and to ensure Members are kept informed.	RA VI Management Group	RA VI TT on WIGOS	2018-2021	RB, in-kind contributions	not yet started	Resolution 6 (RA VI-17)			
To provide regional support to Members in accordance with the WIGOS implementation Plan and in response to their requests (subject to availability of resources and funds)	RA VI Management Group	RA VI TT on WIGOS	2018-2021	RB, in-kind contributions	not yet started	Resolution 6 (RA VI-17)			
To monitor the Members' progress in the migration to the ICAO meteorological information exchange model (IWXXM) in accordance with the established timeline (currently, planned to become a mandatory requirement as of November 2020), and to coordinate with the CAeM assistance to those Members who may need to build their capacity to comply with the IWXXM requirements ;	RA VI Management Group	WMO Commission for AeM; RA VI TT on WIS; Rapporteur on Aviation Meteorology	By November 2020	in-kind contribution	ongoing	Decision 8 (RA VI-17)			ICAO has a Management Group in collaboration with MeteoFrance
To regularly review WIGOS implementation efforts in the Region	RA VI Management Group	NFPs on WIGOS	2018-2021	WIGOS TF, in-kind contributions	ongoing	Decision 9 (RA VI-17)			A Survey could be conducted
To support the establishment of a RWC for Russian speaking countries, taking into account WMO Eurasian sub-regional office (Minsk, Belarus) as a potential site for an appropriate pilot project.	RA VI Management Group	RA VI TT on WIGOS	2018-2021	tbd	not yet started	Decision 10 (RA VI-17)			
To approve the pilot RWC(s) with applications from RA VI Members on behalf of the Association, in consultation with the Management Group, and to coordinate with the President of Regional Association II regarding the practical implementation of the RWC.	RA VI president, in consultation with the Management Group	President of Regional Association II	2018-2021	in-kind contributions	not yet started	Decision 10 (RA VI-17)			
To facilitate and coordinate regional WIGOS projects;	RA VI Management Group	RA VI TT on WIGOS	2018-2021	RB, in-kind contributions	not yet started	Resolution 6 (RA VI-17)			
To oversee the work of Regional WIGOS Centre(s) pilot(s) when established.	RA VI Management Group	RA VI TT on WIGOS	2018-2021	RB, in-kind contributions	recurrent	Resolution 6 (RA VI-17)			

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To oversee, guide and prioritize the activities listed in the WIGOS Implementation Plan; to monitor the implementation progress and to submit updates to the Plan to the president of the Association for approval;	RA VI Management Group	RA VI TT on WIGOS	2018-2021	RB, in-kind contributions	not yet started	Resolution 6 (RA VI-17)		
To approve, at the request of the Members concerned and in consultation with the Secretary-General, amendments to the list of RBSN and RBCN stations in accordance with the procedures laid down in the Manual on the Global Observing System (WMO-No. 544), Volume II – Regional Aspects, Region VI – Europe, and to monitor the Members' implementation and to address non-compliance	RA VI president	Members concerned and in consultation with the Secretary-General	2018-2021	in-kind contributions	not yet started	Resolution 8 (RA VI-17)		A Survey could be conducted
To regularly assess the needs of Members of RA VI for support by RICs	RA VI Management Group	RA VI RICs Network	2018-2021	in-kind contributions	ongoing	Resolution 11(RA VI-17)		the RICs report annually on the services to the RA VI Members. The survey to the Members is addressed every 2 years by the Secretariat.
To collaborate with CIMO to verify the capabilities and performance of RA VI RICs.	RA VI Management Group	RA VI RICs	2018-2021	in-kind contributions	ongoing	Resolution 11(RA VI-17)		The latest report of RICs was provided to the RA VI -17. The regional instrument intercomparison is conducted every 4-5 years. The Secretariat will contact the RIC France and ask to provide the report on assessment by Bertrand Blanguart
To monitor radio frequency matters, in particular those relating to the upcoming World Radiocommunications Conference 2019;	the RA VI working mechanism (TT on WIGOS)		2018-2021	in-kind contributions, RB	not yet started	Decision 11 (RA VI-17)		WMO Guide to participation in the Radio-frequency Coordination (No.1159)
To provide regional coordination for implementation of anticipated recommendations of the Commission for Basic Systems on WIS audit schedules and on operational monitoring by GISCS;	MG through the appropriate working mechanism (TT on WIS)	WMO Secretariat	2018-2021	in-kind contributions, RB	not yet started	Resolution 12 (RA VI-17)		
To monitor WIS training and development including maintaining the table in the Annex to Resolution 12 (RA VI-17);	MG through the appropriate working mechanism (TT on WIS)	WMO Secretariat	2018-2021	RB, in-kind contributions	not yet started	Resolution 12 (RA VI-17)		
To coordinate information sharing about WIS 2.0 pilot projects and their outcomes;	RA VI Management Group	NFPs on WIS, RA VI TT on WIS	2018-2021	in-kind contributions	not yet started	Resolution 12 (RA VI-17)		
To keep Members informed of WIS 2.0 implementation progress;	RA VI Management Group	RA VI TT on WIS	2018-2021		recurrent	Resolution 12 (RA VI-17)		
To provide feedback from its Members to the Commission for Basic Systems on WIS 2.0 implementation;	RA VI Management Group	RA VI TT on WIS	2018-2021	in-kind contribution	ongoing	Resolution 12 (RA VI-17)		
To ensure the appropriate space for research related topics during RA VI sessions and meetings being inspired by a co-designed approach along the weather enterprise value chain.	President of RA VI	Organizing Committees, WMO Secretariat	2018-2021	in-kind contributions	recurrent	Decision 20 (RA VI-17)		
To further foster the activities of the Hydrology Forum as a vocal hydrological platform in the region, increase its outreach to the wider hydrological community (including academia, research and private sector), consider its outcomes in decisions on RA VI structure and activities, communicate its outcomes and ensure that the Forum continues to meet every two years.	President of RA VI in coordination with the Regional Hydrological Adviser and the Management group	Hydrological Advisers	2018-2021	in-kind contributions	ongoing	Resolution 14 (RA VI-17)		
To advise and assist the president of RA VI on all matters related to the work of the Association, in particular:	RA VI Management Group	RA VI Working mechanisms	2018-2021	RB, in-kind contributions	ongoing	Resolution 16 (RA VI-17)		
On emerging matters requiring action during the intersessional period;	RA VI Management Group	RA VI Working mechanisms	2018-2021	RB, in-kind contributions	ongoing	Resolution 16 (RA VI-17)		
In prioritizing, planning, coordinating and actively managing the work of the Association and its subsidiary bodies, as well as to monitor progress in accordance with the RA VI Operating plan;	RA VI Management Group	RA VI Working mechanisms	2018-2021	RB, in-kind contributions	ongoing	Resolution 16 (RA VI-17)		
In ensuring adequate internal structure, including establishment of relevant task teams on proposals by the chairs of the working groups and working methods of the Association and to make necessary adjustments as needed to achieve the desired outcomes;	RA VI Management Group	WMO Secretariat	2018-2021	RB, in-kind contributions	recurrent	Resolution 16 (RA VI-17)		MG-2 established the Regional working mechanism, but will adjust it as needed
In addressing emerging issues and challenges as identified by Regional Association VI, and ensuring that these issues are adequately included in the work plans of the working groups;	RA VI Management Group	RA VI Working mechanisms, WMO Secretariat	2018-2021	RB, in-kind contributions	not yet started	Resolution 16 (RA VI-17)		
In ensuring continuity of the strategic planning process and developing coordinated regional inputs for the future WMO Strategic Plan and related Operating Plan, including regional priorities and key outcomes;	RA VI Management Group	RA VI Working mechanisms, WMO Secretariat	2018-2021	RB, in-kind contributions	not yet started	Resolution 16 (RA VI-17)		
In maintaining and promoting partnership and collaboration with international and regional partner organizations, and other organizations and research institutes contributing to the implementation of the WMO Strategic Plan;	RA VI Management Group	RA VI Working mechanisms, WMO Secretariat	2018-2021	RB, in-kind contributions	ongoing	Resolution 16 (RA VI-17)		
In seeking ways of improving coordination with relevant bodies of the European Union to foster participation and representation of Members in relevant projects and activities;	RA VI Management Group	WMO Secretariat	2018-2021	RB, in-kind contributions	ongoing	Resolution 16 (RA VI-17)		

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To coordinate and monitor the implementation of the RA VI Operating Plan and other regional implementation plans approved by the president; to assess and evaluate the performance of Regional Association VI as per the WMO Strategic Plan;	RA VI Management Group	WMO Secretariat	2018-2021	RB, in-kind contributions	recurrent	Resolution 16 (RA VI-17)		RA VI Work Plan incorporates the Operating Plan of RA VI	A database of plans with their status will need to be developed by the WMO Secretariat, and namely the ROE
To oversee, in collaboration with the Secretariat, the activities of the regional centers;	RA VI Management Group	WMO Secretariat	2018-2021	RB, in-kind contributions	recurrent	Resolution 16 (RA VI-17)			
To coordinate the activities of the Association and its subsidiary bodies with respect to cross-cutting issues, such as the implementation of the Global Framework for Climate Services, disaster risk reduction and capacity development, and to coordinate the activities of the Association and its subsidiary bodies to complement and support activities of technical commissions, taking into account the needs of Members and the existing resources and capacity-development mechanisms;	RA VI Management Group	WMO Secretariat	2018-2021	RB, in-kind contributions	recurrent	Resolution 16 (RA VI-17)			
To address, on a systematic basis, the need for harmonization of the capabilities for the provision of meteorological, climatological and hydrological services between different subregions	RA VI Management Group	RA VI RCC Network	2018-2021	RB, in-kind contributions	recurrent	Resolution 16 (RA VI-17)			Checklist of climate services has been circulated to the RA VI Members, based on which an Action Plan will need to be developed by the RA VI co-representatives in charge of climate services. To harmonize the measurements to have comparable data.
To invite, as appropriate, other Directors of NMHSs, and other experts to participate in the meetings of the RA VI Management Group, as necessary	RA VI Management Group	WMO Secretariat	2018-2021	RB, in-kind contributions	recurrent	Resolution 16 (RA VI-17)			RCC Network coordinator presented remotely the RCC Operating Plan for endorsement at the MG-2
To take needed decisions on urgent matters on behalf of the Association and submit these, as necessary, to other WMO Constituent and Subsidiary Bodies	RA VI president	RA VI Management Group	2018-2021	in-kind contributions	recurrent	Resolution 16 (RA VI-17)			
To report regularly to the Association during the intersessional period, and at its next regular session on the activities of the Management Group and relevant decisions taken on behalf of the Association, and to establish a platform for interactive discussion of documents before the next session of RA VI	RA VI Management Group	WMO Secretariat	2018-2021	in-kind contributions	recurrent	Resolution 16 (RA VI-17)			RA VI Highlights of the MG meetings could be uploaded to the web page of the ROE. MG Members would like to have the documents attached to the message and Alfresco could be used in paralel
To ensure that, subject to availability of resources, the Management Group meets annually or as needed, preferably in conjunction with other meetings and events, using electronic means to the extent possible;	RA VI Management Group	WMO Secretariat	2018-2021	RB, in-kind contributions	recurrent	Resolution 16 (RA VI-17)			annually or as needed
To take into account the work of the Management Group in the provision of support to the Regional Association VI, especially through the Regional Office for Europe.	WMO Secretariat		2018-2021	RB, in-kind contributions	recurrent	Resolution 16 (RA VI-17)			
To reassess and adjust the working structure, when needed.	RA VI Management Group	WMO Secretariat	2018-2021	tbd	recurrent	Annex to Decision RA VI-17/2			
Maintain statistics on equality within RA VI and report progress to EC every financial period.	RA VI Management Group	RA VI FP on Gender (MG member)	2018-2021	in-kind contributions	recurrent	Resolution 17 (RA VI-17)			

Color code: not yet started ongoing implemented recurrent