

WORLD METEOROLOGICAL ORGANIZATION
REGIONAL ASSOCIATION VI (EUROPE)

RA VI
OPERATING PLAN
2012 - 2015

http://www.wmo.int/pages/prog/dra/eur/OperatingPlan_2012_2015



October 2012

Foreword

Following the adoption of the WMO Strategic Plan (2012-2015) by Cg-XVI in June 2011 (Resolution 36 (Cg-XVI) refers), the Regional Association VI (Europe) has initiated a consultation process for the development of the regional Operating Plan which would constitute a part of the WMO-wide Operating Plan (http://www.wmo.int/pages/about/documents/WMO_OP_2011_en.pdf). The main role in the preparation and drafting of the RA VI OP was played by the Task Team on the Strategic Plan and Operating Plan (TT-SPAP) established by the RA VI Management Group in 2010. TT-SPAP worked in close collaboration with the chairs and co-chairs of the RA VI Working Groups (WG) established by the XV Session of RA VI (September 2009, Brussels):

- WG on Technology Development and Implementation (WG-TDI)
- WG on Service Delivery and Partnership (WG-SDP)
- WG on Climate and Hydrology (WG-CH).

The Team was also supported by the WMO Secretariat and presented its draft to the 6th meeting of the RA VI Management Group (April 2012, Offenbach). The Management Group endorsed the draft plan and recommended a final round of consultation with the WGs in order to consolidate some of the tasks with a view of achieving a realistic set of final deliverables. The final version of the Operating Plan (2012-2015) was prepared in September 2012 and submitted to the RA VI President for approval.

The concept of the RA VI Operating Plan (2012-2015) includes the following main provisions:

1. The regional Operating Plan is based on the WMO Strategic Plan (2012-2015) with the same eight Expected Results (ER).
2. The regional Key Outcomes (KO) related to each of the ERs are closely related to KOs of the Secretariat Operating Plan, however, they have been refined and amended as necessary to reflect specific regional needs and priorities.
3. Regional Key Performance Indicators (KPI) have been formulated for each of the KOs.
4. For each KPI, one or several deliverables have been decided. These deliverables are taken from the Work Programmes of the RA VI subsidiary bodies – Working Groups and Task Teams.

Following the advice of the XV Session of the Association, the TT-SPAP developed the regional Operating Plan by compiling the tasks in the Work Programmes of the Working Groups. Thus, the Operating Plan contains concrete tasks and deliverables aimed at assisting RA VI Members to implement their national plans for further development of their NMHSs and improvement of the provision of meteorological, hydrological and climatological services for supporting their national economies and the society.

The RA VI Operating Plan is intended to be a living document regularly monitored and adjusted as necessary to meet emerging issues and priorities. The overall monitoring function is assigned to the RA VI Management Group. A major review and adjustment of the Operating Plan is envisaged immediately after the XVI Session of RA VI which will be held in September 2013.

All deliverables of the Operating Plan are intended to facilitate Members in conducting their operational tasks and planning for future development. Therefore, once completed, the deliverables will be made available through appropriate means (e.g., the WMO Regional Office for Europe website) and Members will be informed accordingly.

List of acronyms used in RA VI subsidiary bodies structure

MG Management Group

Working Groups

CH Climate and Hydrology

SDP Service Delivery and Partnership

TDI Technology Development and Implementation

Task Team on

Parent WG

AGM Agrometeorology

CH

DARE Data Rescue

CH

DM Drought Management

CH

DRRCOOP Disaster Risk Reduction and Cooperation

SDP

EUP EU and Partnership

SDP

FFW Flood Forecasting and Warnings

CH

HMETRY Hydrometry

CH

HMEWS Hydro-Meteorological Early Warning System

CH

MEDCOM Media and Communication

SDP

PEF Potential Extreme Floods

CH

RCC Regional Climate Centres

CH

RCOF Regional Climate Outlook Forums

CH

RMDCN Regional Meteorological Data Communication Network

TDI

RM-TDCF Regional Mitigation to Table Driven Code Forms

TDI

R-RBON Re-design of the RA-VI Regional Basic Observing Network

TDI

SAI Service Applications and Improvement

SDP

SEB Socio-Economic Benefits

SDP

SPAP RA VI Strategic Plan and Action Plan

MG

WARN Warning Services

SDP

WIS-DI WIS Development and Implementation

TDI

WSD Water Scarcity and Drought

CH

Expected Result 1

Enhanced capabilities of Members to deliver and improve access to high quality weather, climate and water and related environmental predictions, information and services in response to users' needs and to enable their use in decision-making by all relevant societal sectors

Key Outcome 1.1 Increased availability of high quality weather, climate, water and related environmental information and products in accordance with the needs of users

KPI 1.1.1 Number of Members able to demonstrate socio-economic benefits of their services through the use of WMO endorsed methodology

KPI 1.1.2 Number of NMHSs providing products for decision-making by users following the WMO Strategy for Service Delivery

<i>Deliverables</i>	<i>Activities</i>	<i>RA6 WG</i>	<i>TT</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>WMO Progr.</i>	<i>WMO Comm.</i>
1.1.1	Develop guidance on methodologies for assessing socio-economic benefits (SEB) of weather, climate and water services	WG SDP	SEB	x				PWSP	CBS
	Document case studies on the economic impacts of agrometeorological information in Europe establishing a database of existing studies	WG CH	AgM						CAGM
1.1.2	Improved delivery of probabilistic forecasts - guidance on how to ensure better and more communication of probabilistic forecasts through media.	WG SDP	MEDCOM	x	x			PWSP	CBS
	Review, evaluate and/or recommend standards for agrometeorological products;	WG CH	AgM	x	x				CAGM
	Review and access use of climate and meteorological resources in the RA VI high-quality agricultural production chain;	WG CH	AgM	x	x	x	x		CAGM

Key Outcome 1.2 Improved delivery of high quality weather, climate, water and related environmental products and services to users' communities

KPI 1.2.1 Increased proportion of users with timely access to an increased number and range of products

KPI 1.2.2 Number of Members compliant with the requirements for QMS for aviation meteorological services

KPI 1.2.3 Number of Members compliant with the competency requirements for the aeronautical MET personnel and with marine meteorology requirements

<i>Deliverables</i>	<i>Activities</i>	<i>WG</i>	<i>TT</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>WMO Progr.</i>	<i>WMO Comm.</i>
1.2.1	Conduct surveys to identify best practices on liaison between NMHSs and users, such as media and economic sectors	WG SDP	SAI	x	x			PWSP	
1.2.2	Develop guidance on use of verification to improve both the accuracy and overall quality of services provided to users.	WG SDP	SAI	x				PWSP	
1.2.3	Monitor developments in civil aviation meteorology and provide advice to NHMSs in the Region.	WG SDP	SAI *	x	x			AeMP	CAeM
	Monitor developments in maritime meteorology and provide advice to JCOMM and to NHMSs in the Region.	WG SDP	SAI	x	x			MMOP	JCOMM

* formally this is still a task of TT-SAI but following the discussions at MG-6 it is planned to have a member of AVIMET being a member of WG SDP and giving advice to the Region

Expected Result 2

Enhanced capabilities of Members to reduce risks and potential impacts of hazards caused by weather, climate and water and related environmental elements

Key Outcome 2.1	Increased involvement of NMHSs in the Disaster Risk Management at national and regional level								
KPI 2.1.1	Increase in the number of NMHSs implementing multi-hazard early warning systems								
KPI 2.1.2	Increase in the number of NMHSs integrated into national and Regional Disaster Risk Management structures								
KPI 2.1.3	Improved products and services for disaster risk reduction by developing country Members								
KPI 2.1.4	Improved cross-border exchange of warnings and data related to Disaster Risk Management								
Deliverables	Activities	RA6 WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
2.1.1	Analyse and report on how the NHMSs can co-operate with their national civil protection authorities.	WG SDP	WARN	x				PWSP	CBS
2.1.2	Analyse the conditions as well as potential RAVI members to join the application METEOALARM.	WG SDP	WARN	x				PWSP	CBS
2.1.3	Review the outcome of the DRR/SEE projects and propose improvements in similar future projects. Provide technical advice on how to develop future projects in the region.	WG SDP	DRRCOOP	x	x			DRR	CBS
2.1.4	Advise on potential improvements in the cross-boarder exchange of warnings to support various component of disaster risk reduction management.	WG SDP	WARN	x	x			DRR	CBS
Key Outcome 2.2	National integrated flood management plans are developed								
KPI 2.2.1	Number of Members establishing flood management plans								
KPI 2.2.2	Number of regional hydrological forecasting systems established in transboundary basins								
KPI 2.2.3	Number of Members with Climate Watch and Advisory Systems in place.								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
2.2.1	Prepare a report on river-flooding potential and recommendations on design data for flood events	WG CH	PEF	x	x			HWRP	CHy
	Prepare recommendation on best practices for flood monitoring	WG CH	PEF	x	x			HWRP	CHy
2.2.2	Improve hydrological forecasts and warnings for all kinds of floods trough new methodologies such as the use of probabilities, methods of verification and estimation of uncertainties	WG CH		x	x			HWRP	CHy
	Compile information on hydrological warning systems and present it in a user-friendly way	WG CH		x	x			HWRP	CHy
2.2.3	Consider new RCC Services, including hydrological products	WG CH	RCC (input from EGH)		x	x	x		CHy

Key Outcome 2.3	Improved drought early warning and management systems								
KPI 2.3.1	Number of NMHSs, national and regional centres, implementing Climate Watch System for issuing drought early warnings								
KPI 2.3.2	Increase in the number of satisfied users of drought early warnings issued by national and regional centres								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
2.3.1	Review and evaluate drought monitoring systems in RA VI countries with respect to droughts occurrence;	WG CH	DM					WCP/HW RP	CHy
	Design of a regional meteorological and hydrological drought forecasting system (for the development of a drought risk management strategy at regional, basin and local level).	WG CH	WSD	x				HWRP	CHy
2.3.2	Explore and propose effective ways of exchanging drought information (alerts) among RA VI countries prior to expected and evolving dry conditions and during the periods of drought events, in order to provide valuable decision-making information for policy-makers	WG CH	DM	x	x			WCP/HW RP	CHy
	Improved WMO RA VI level coordination of regional activities in the field of WSD (with focus on WMO and EU)	WG HC	WSD	x	x			HWRP	CHy
	Propose ways for ensuring effective cooperation of NHMSs with other international and regional bodies involved in drought assessment and mitigation, particularly through Drought Management Centre for South East Europe (DMC/SEE), JRC, ADO	WG CH	DM	x	x			WCP/HW RP	CHy

Expected Result 3

Enhanced capabilities of Members to produce better weather, climate, water and related environmental information, prediction and warnings to support in particular climate impact and adaptation strategies

Key Outcome 3.1	Improved operational long-range forecasts and long-term projections								
KPI 3.1.1	Number of Members providing standardized products (e.g. monthly and seasonal predictions, climate watches)								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
3.1.1	Collect and examine information on RCOF activity in various parts of the world. Review RCOF products, practices and organization models/mechanisms. Develop a Concept paper on possible development of RCOFs in RA-VI and its liaison with RCC network	WG CH	RCOF	x				WCP/RP	CCI
	Discuss needs and propose possible steps for RCOF organization in the areas beyond SE Europe	WG CH	RCOF & RCC	x	x	x		WCP/RP	CCI
	Include downscaled LRF products in SEECOF practice. Provide objective verification of SEECOF products. Make SEECOF outcomes available for interested NMHSs via authorised access to web/ftp-server of SEECOF	WG CH	RCOF	x				WCP/RP	CCI
Key Outcome 3.2	Improved delivery of climate information and prediction products for climate adaptation and risk management								
KPI 3.2.1	Number of operational NMHSs/partners providing inputs to the RA VI RCC-Network serving the National Climate Centres								
KPI 3.2.2	Number of Members developing and implementing effective climate monitoring systems, including Climate Watch Systems								
KPI 3.2.3	Number of Members with formal National Climate Centres, accessing global and regional products, using the guidance materials and transmitting climate products for national needs								
KPI 3.2.4	Number of Members making use of climate services in defining their national climate adaptation policies								
KPI 3.2.5	Number of Members participating in and making use of the output of the Regional Climate Outlook Forums, in support of adaptation and climate risk management								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
3.2.1	Conduct WMO RA VI (Pilot) RCC-Network coordination meetings, including virtual meetings	WG CH	RCC	x	x			WCP/RP	CCI
	Develop a WMO RA VI RCC-Network web-portal and implement DCPC functions	WG CH	RCC	x	x			WCP/RP	CCI
3.2.2	Enlarge the RCC Network services through RCC workshops and carrying out pilot Climate Watch Services, including also hydrology	WG CH	RCC	x	x	x		WCP/RP	CCI
3.2.3	Analyze requirements and feedback on effectiveness, gaps and improvement of RCC-services in RA-VI.	WG CH	RCC		x	x		WCP/RP	CCI
	Compile and publish catalogue of available products and services provided via RAVI RCC-Network web-portal	WG CH	RCC	x	x			WCP/RP	CCI
	Promote the establishment of National Climate Centres within RA VI NMHSs.	WG CH (partly)	RCC		x	x		WCRP	CCI
3.2.4	Examine and search for ways of expansion of the RCOF scope in RA-VI - Add forum functionality to the LRF-Node of the RA-VI RCC Network and explore the possibility of inclusion of climate change section in RCOFs.	WG CH	RCC & RCOF	x	x	x		WCP/RP	CCI
3.2.5	Analyse requirements and feedback on effectiveness, gaps and improvement of RCOF-activity in RA-VI, to address what still has to be done.	WG CH	RCOF & RCC		x	x	x	WCP/RP	CCI

Key Outcome 3.3	Hydrological information and products including water resource assessments are improved								
KPI 3.3.1	Number of Members having established a Quality Management Frameworks for Hydrology using current guidance materials for hydrology and water resource management								
KPI 3.3.2	Volume of data available to users from regional hydrological data bases developed in transboundary river basins								
KPI 3.3.3	Number of Members implementing drought management products and services								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
3.3.1	Make inventory of hydrological monitoring needs and networks	WG CH	HMETRY	x	x			HWRP	CHy
	Organize RA VI Hydrology Forum to address issues related with monitoring network operation and development	WG CH	HMETRY	x				HWRP	CHy
3.3.3	Identify ways of promoting the exchange of data and products, as well as of forecasts and warnings, during drought and pre-drought periods	WG CH	DM	x	x			WCP/HW RP	CCI. CHy
	Propose ways for ensuring effective cooperation with other international and regional bodies involved in drought monitoring	WG CH	DM	x	x			WCP/HW RP	CHy
	Make recommendations on addressing the needs for capacity building in RA VI countries, pertinent to drought monitoring	WG CH	DM	x	x			WCP/HW RP/RP	CHy
	Identify and report on the scope for, and implementation of integrated drought monitoring approach in RA VI countries with respect to water resources and agriculture	WG CH	DM	x	x			WCP/HW RP/RP	CHy
Key Outcome 3.4	Improved provision of environmental information related to climate change impact and adaptation strategies								
KPI 3.4.1	Number of Members providing the required environmental information								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
3.4.1	Inventory of Members providing environmental information related to climate change impact and adaptation strategies	WG CH							CAS
	Identify and evaluate new challenges or tasks for agrometeorological services and products related to ongoing climate change impacts	WG CH	AgM						CAGM

Expected Result 4

Enhanced capabilities of Members to access, develop, implement and use integrated and interoperable surface-based and space-based systems for weather, climate and hydrological observations, as well as related environmental observations, based on world standards set by WMO.

Key Outcome 4.1	Progress in planning and implementation of WMO Integrated Global Observing System (WIGOS) in Region VI								
KPI 4.1.1	Number of Members developing National WIGOS Implementation Plans based on the CONOPS								
KPI 4.1.2	Completion of redesign of the RAVI RBON network as a WIGOS Demonstration Project								
KPI 4.1.3	Increased availability of observations for users								
KPI 4.1.4	Good progress in implementing the 2010 update of the GCOS Implementation Plan.								
KPI 4.1.5	Number of National GCOS Coordinators in RA VI.								
KPI 4.1.6	Number of NMHSs with significantly improved services due to implementation of modernization plans								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
4.1.1	Provide technical guidance, assistance and support for the implementation of the WIGOS and WIS concept in RA-VI.	WG TDI	WIS-DI	x	x	x		WWW	CBS
4.1.2	Identify user requirements for the Redesign of the Regional Basic Observing Network in RA-VI (TT on Redesign of the R-RBON)	WG TDI	R-RBON	x		x	x	WWW	CBS
	"Organize a first meeting of the TT ,with tasks: 1. Review of the Implementation plan for the GOS and WIGOS needs for the Region, 2. review the WMO CBS RRR process, 3. Review EUCOS network redesign activities, 4. Review satellite capabilities.	WG TDI	R-RBON	x	x			WWW	CBS
	Develop a draft proposal for the redesign of the Regional Basic Observing Network	WG TDI	R-RBON	x	x	x	x	WWW	CBS
4.1.3	Monitor availability of data, identify deficiencies and propose measures for their resolution.	WG TDI		x				WWW	CBS
4.1.4	WG-CH to make a gap analysis and coordinate with TT R-RBON activities.			x				WWW	CIMO
4.1.5.	Monitor RBSN availability of data by EUMETNET EUCOS, Make use of the Operational Information Service provided by WMO and the EUCOS Quality Monitoring Portal to identify deficiencies in data availability and make proposals on mitigation actions.	WG TDI	-	x	x	x	x	WWW	CIMO
4.1.6	Apply technological developments to hydrological services such as monitoring network modernization and forecasting and warning systems	WG CH	HMETRY	x	x			HWRP	Chy

Key Outcome 4.2									
WMO Information System (WIS) is developed and implemented within Region VI									
KPI 4.2.1									
Number of NMHSs that have successfully implemented the WIS in compliance with the regional WIS Implementation Plan									
KPI 4.2.2									
Number of Members exchanging data in Table Driven Code Format									
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
4.2.1	Develop a WIS implementation plan for RA-VI. - Assess the implementation of WIS for Region VI.	WG TDI	WIS-DI	x	x			WWW	CBS
	Assist the installation of GISC and DCPC centres in RA-VI and monitor the VGISC development.	WG TDI	WIS-DI	x	x			WWW	CBS
	Assist RA-VI centres in joining the WIS through e.g. organize a workshop for future NCs in RA-VI – Produce information document on WIS for RA-VI members	WG TDI	WIS-DI	x	x			WWW	CBS
	Address relevant items of WIS development and implementation to CBS-OPAG-ISS.	WG TDI	WIS-DI	x	x			WWW	CBS
	Monitor the progress of IGDDS development and implementation.	WG TDI	WIS-DI	x	x			WWW	CBS
	Report on the progress of IGDDS development to WG-TDI.	WG TDI	WIS-DI	x	x			WWW	CBS
	Safeguard the compliance of WIS with INSPIRE.	WG TDI	WIS-DI	x	x			WWW	CBS
	Make proposals for upgrading the capabilities of the RMDCN considering the future implementation of WIS.	WG TDI	RMDCN	x	x			WWW	CBS
	Give guidance to RA-VI Members in joining the RMDCN and implementing their connection.	WG TDI	RMDCN	x	x			WWW	CBS
Put together material for the use of RMDCN	WG TDI	RMDCN	x	x			WWW	CBS	
4.2.2	Keep updated the regional plan for migration TDCF. - Deliver in regular intervals updated regional plan to national Focal Points and WG-TDI. - post regional plan on WMO/ROE web site	WG TDI	RM-TCDF	x	x			WWW	CBS
	Advise Members of the Region on all aspects related to the migration strategy. - Collaborate with national Focal Points, guide Members on the use of encoder-decoder software.	WG TDI	RM-TCDF	x	x			WWW	CBS
	Actively support training activities on TDCF in the Region.	WG TDI	RM-TCDF	x	x			WWW	CBS

Key Outcome 4.3	Accessible climate observations and high quality climate data archives at the NMHSs and global data centres are increased								
KPI 4.3.1	Increased contribution from RAVI Members to the Global Climate Observing System								
KPI 4.3.2	Number of Members that have implemented GCOS Climate Monitoring Principles								
KPI 4.3.3	Increased availability of rescued and digitized climate data								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
4.3.1	Identify user requirements for the Re-design of the Regional Basic Observing Network in RA-VI - Review Climate requirements.	WG TDI	R-RBON	x		x	x	WWW	CIMO
	Review of EUCOS network redesign – identify user requirements	WG TDI	R-RBON	x		x	x	WWW	CIMO
4.3.3	Inventory of available digital climate data through European NMHSs, repositories/projects (e.g. ECA&D, EMULATE, CIRCE) and Agencies (e.g. EUMENET, DWD)	WG CH	DARE	x	x			WCP/HWRP	CCI
	Assessing/approaching historical data sources and holders counting with old climate data and targeting key records	WG CH	DARE	x	x			WCP	CCI
	Provide guidance on the methodology for homogeneity test of historical time series and quality control of data as well as support in capacity building process	WG CH	DARE	x	x			WCP	CCI
	Initiate and help mobilizing resources for undertaking integrated DARE projects, including digitization and homogenization	WG CH	DARE	x	x			WCP/TCO	CCI
	Promote the development of high-quality and homogenized long climate records	WG CH	DARE	x	x			WCP	CCI

Expected Result 5

Enhanced capabilities of Members to contribute to and draw benefits from the global research capacity for weather, climate, water and environmental science and technology development.

Key Outcome 5.1	Research in climate prediction/ projection to improve the skills of seasonal, decadal, and longer time scales is enhanced								
KPI 5.1.1	Increased number of Members participating in regional climate research activities								
KPI 5.1.2	Outcome of research activities is made available to Members to enable increase in the skill of products and services								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
5.1.1	Promote the establishment of National Climate Centres within RA VI NMHSs.	WG CHy (partly)	Partly through TT-RCC		x	x		WCRP	CCI
Key Outcome 5.2	Research in the prediction of high-impact weather on time scales of hours to seasons is enhanced within Region VI								
KPI 5.2.1	Increased number of Members participating in regional high impact weather research activities								
KPI 5.2.2	Outcome of research activities is made available to Members to enable increase in the skill of products and services								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
5.2.1	Monitor collaboration between Members and ECMWF as well as regional consortia e.g. COSMO and Aladin.	WG TDI	Rapp. on DPFS	x	x			WWRP	CAS
5.2.2	Promote the greater access to the results of high impact weather research activities among Members.	WG TDI	Rapp. on DPFS	x	x			WWRP	CAS
Key Outcome 5.3	Seamless forecasts of weather, climate, water and the environment from months to seasons are developed and implemented within Region VI								
KPI 5.3.1	Increased availability and use of EPS output by Members								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
5.3.1	Promote the greater access to the results of seamless forecasts among Members.	WG TDI	Rapp. on DPFS	x	x			WWRP	CAS
Key Outcome 5.4	Predictions/projections of teleconnections relevant to Region VI are improved								
KPI 5.4.1	Enhanced research activities into these teleconnections undertaken								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
5.4.1	Review the regional achievements and practices in the area of identification and prediction of teleconnections relevant to Region VI. – to be included after RAVI session	WG CH						WWRP WCRP	CAS
	Develop the existing and/or establish new websites publishing the predictions of the teleconnection patterns most important to Region VI. – To be included after next RAVI session	WG CH						WWRP WCRP	CAS

Expected Result 6

Enhanced capabilities of NMHSs, in particular in developing and least developed countries, to fulfil their mandates

Key Outcome 6.1	The institutional position of NMHSs and Regional Centres is improved, particularly in developing countries								
KPI 6.1.1	Number of NMHSs with well established institutional arrangements for the provision of hydrological and meteorological services								
KPI 6.1.2	Number of Regional Centres with well established institutional arrangements for supporting the provision of hydrological and meteorological services by Members								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
6.1.1	To develop recommendations to improve the active collaboration between the farming community in Europe and agrometeorological services.	WG CH	AgM	x	x			WCP/HW RP	CAGM
	Organize RA VI Hydrology Forum to address issues such as positioning of the hydrological community in respect to decision makers and decision of common policies, and important linkages between hydrological services, meteorology, climate change and environmental aspects.	WG CH	HMETRY	x	x			HWRP	CHy
	Develop guidance on the role of Met Advisors and working with the Emergency Response community.	WG SDP						HWRP/DR R	
6.1.2	Monitor developments in maritime meteorology and provide advice to JCOMM and to NHMSs in the Region			x	x			AMP	
Key Outcome 6.2	Infrastructure and operational facilities of NMHSs and Regional Centres are improved, particularly in developing countries								
KPI 6.2.1	Number of NMHSs with improvement in infrastructure and operational facilities to address identified deficiencies								
KPI 6.2.2	Number of NMHSs with modernized capacities to develop and disseminate products to their customers								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
6.2.1	Foster effective collaboration between Regional Instrument Centres in RA-VI.	WG TDI		x	x			RP	
6.2.2	Analyse and report on possible improvements of warning capabilities using RSMC guidance products.	WG/SDP						RP	

Key Outcome 6.3									
Education and Training Development activities at national and regional level are improved, especially in developing countries									
KPI 6.3.1									
Number of training events delivered for developing countries within Region VI									
KPI 6.3.2									
Number of NMHSs with strengthened human capacities									
<i>Deliverables</i>	<i>Activities</i>	<i>WG</i>	<i>TT</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>WMO Progr.</i>	<i>WMO Comm.</i>
6.3.1	Make recommendations on future actions to be implemented to improve capacity building in RA VI countries, pertinent to drought monitoring.	WG CH	DM	x	x			HWRP/RP	CAGM
6.3.2	Develop web page for best practices in hydrological warning systems.	WG CH	HMEWS	x	x			HWRP	CHy
6.3.1	Organise capacity-building activities through the RICs and RRCs with regard to calibration of meteorological and environmental instruments, specially addressed to strengthen the capacities of developing countries.	WG TDI	RIC	x	x			RP	
6.3.1	Coordinate training activities with WMO Regional Office Europe and WMO/OBS to promote twining activities on TDCF in the Region.	WG TDI	RM-TDCF	x	x			RP	
Key Outcome 6.4									
Capacities of NMHSs are enhanced through cooperation and partnerships with other national and regional organizations									
KPI 6.4.1									
Increased number of NMHSs benefiting from the development projects and activities funded through a variety of regional partnerships e.g. voluntary and extra-budgetary resources									
<i>Deliverables</i>	<i>Activities</i>	<i>WG</i>	<i>TT</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>WMO Progr.</i>	<i>WMO Comm.</i>
6.4.1	Liaise with EU bodies and relevant networks for cooperation and promotion of WG CH activities.	WG CH	Co-Chairs	x	x			HWRP	CHy, CCI
	Support cooperation model projects in DRR with the World Bank, EU, ISDR and UNDP (e.g. SEEDRMAP) in SE Europe and the Caucasus.	WG SDP	DRRCO OP	x	x			DRR/RP	
	Identify the relevant EU support mechanisms and good practices for mobilizing resources at national level as concerns co-funding requirements in the context of EU-projects.	WG SDP	EUP	x	x			RP	

Expected Result 7

New and strengthened partnerships and cooperation activities to improve NMHSs' performance in delivering services and to increase the value of the contributions of WMO within the United Nations system, relevant international conventions and national strategies

Key Outcome 7.1	Participation of NMHSs in relevant national and regional partnerships are enhanced								
KPI 7.1.1	Number of NMHSs having active partnerships at national and regional levels, in particular with EU								
KPI 7.1.2	Financial support mobilized for development projects, e.g., from governments, donor partners and regional donors								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
7.1.1	Develop sustained mechanisms of regional cooperation with a view to establish projects with EU, World Bank and other strategic partners	WG SDP	EUP	x	x	x	x	RP	
7.1.2	Development projects established and implemented			x	x	x	x	RP	
Key Outcome 7.2	Public, decision-makers and other stakeholders are increasingly aware of key WMO and NMHSs issues, activities and priorities through enhanced communication								
KPI 7.2.1	Number of NMHSs implementing a strategy for communication with key stakeholders in Region VI.								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
7.2.1	Develop a communication guideline which can be used as a template for raising the visibility of NMHSs within the region.	WG SDP	MEDCO M	x				PWSP	
	Improve the active collaboration between the farming community in Europe and agrometeorological services; develop recommendations	WG CH	AgM	x	x				CAgM

Expected Result 8

An effective and efficient Organization

Key Outcome 8.1	An effective and efficient Regional Association								
KPI 8.1.1	Members' satisfaction with Regional Association and its subsidiary bodies activities and outputs								
KPI 8.1.2	Completion of the activities of the subsidiary bodies in line with the Region Operating Plan								
KPI 8.1.3	Enhance effectiveness and efficiency of Regional Association sessions and inter-sessional activities								
Deliverables	Activities	WG	TT	2012	2013	2014	2015	WMO Progr.	WMO Comm.
8.1.1	Survey of Members' satisfactions	MG			x		x	RP	
	Information about RA VI activities available on WMO web site	MG		x	x	x	x	RP	
	Organize regional events to support the implementation activities in main priority areas by the RA VI Members and enhance regional cooperation	MG		x	x	x	x	RP	
8.1.2	MG meetings held as planned (at least one per year)	MG							
	WG meetings held as planned (at least 2 per inter-session period)	All WGs		x	x			RP	
	RA VI Operating Plan (2012 – 2015) adopted and published	MG		x				RP	
	Annual Progress Reports	MG, WGs		x	x	x	x	RP	
8.1.3	Organize and conduct 16 th Session of RA VI with innovative approaches	MG			x			All	
	Organize and conduct RA VI TECO	MG, WGs			x			All	
	RA VI Working Structure established (after 16 th session)	MG			x	x		RP	