

Step C Workshop

(February 2016)

Findings and Conclusions

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9 – 10 June 2016
Podgorica



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Figures

- 49 participants
- 7 country groups
- 3 Work Sessions*
 - Identification of adaptation options
 - Country self-assessments
 - Multi-criteria analysis
- Workshop was 'time well-spent': 86%
- Quality of the workshop:
 - Excellent: 52%
 - Good: 31%



* Results are not official country positions



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Country self-assessments

- Reference: Adaptation Support Tool (AST)
- Estimated completion rates:
 - Step 4 – Assessing and prioritizing adaptation options (51%)
 - Step 5 – Implementation (48%)



Country self-assessments

AST	AL	BA	KS	MK	MNE	SR	TR	Av.
1. Preparing the ground for adaptation	42	54	72	67	81	60	88	66
2. Assessing risks and vulnerabilities to climate change	50	82	66	73	89	76	73	73
3. Identifying adaptation options	33	63	83	90	67	61	70	67
4. Assessing and prioritising adaptation options	47	58	48	48	34	59	65	51
5. Implementation	35	55	60	73	40	8	68	48
6. Monitoring and evaluation (June 2016 meeting)	-	-	-	-	-	-	-	-
Overall per country	41	62	66	70	62	53	73	61

It must be emphasized that the assessment is only based on the understanding and observations of ECRAN workshop participants. The findings must in no way be considered to represent formal, binding or representative statements of the beneficiary countries.



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Main successes to date

- Communication/decision making structures in place (AL, MK, MNE, SR, TR)
- Adaptation Strategy approved (BA, KS, TR)
- Legal requirements established (MNE)
- Adaptation projects implemented (BA, SR)



Main weaknesses to date

- Adequate level of human resources (AL, BA, MNE)
- Financial issues, funding (AL, BA, KS, MK, MNE, SR, TR)
- Cooperation/coordination issues (AL, KS, MNE)
- Availability of data (AL, KS, MNE, SR)



Multi-criteria analysis

OVERALL OBJECTIVE: Limiting risks of CC in urbanized areas

Scoring: 1-5

SPECIFIC OBJECTIVES: 1. Avoid construction in vulnerable areas

2. Define land use to accommodate flooding

3. Adapting the existing situation to possible CC impacts

OPTION	CRITERION	Urgency already existing threats	Cost	Benefit				Political and cultural acceptability	Impact in achieving the goal		Feasibility	TOTAL	RANK		
				Economic	Social	Environmental	Multiple		Short Term	Long-Term					
Weight 0 - 100															
Limiting building and urbanization only within already urbanized areas and avoiding sprawl in vulnerable areas	5	3	5	3	5	3	4	3	0.6	1	0.8	5	5	28.7	1
Making room for the rivers - controlled flooding	2	3.2	0	4	5	4	4	1	0.2	5	3.5	1	1	23.3	3
Providing support to individual households for the adaptation of settlements in vulnerable areas	3	3	3	3	2	1	2	4	0.8	2	1.8	4	2	17.4	5
Reconstructing/restrict using the surface infrastructure to avoid physical floods	5	3	2	3	2	2	1	5	1	5	5	3	3	23.2	4
Include CCA measures in urban planning/projects to increase resilience towards floods and heat waves	2	3.2	5	3	2	4	3	5	1	4	2	5	5	26.6	2

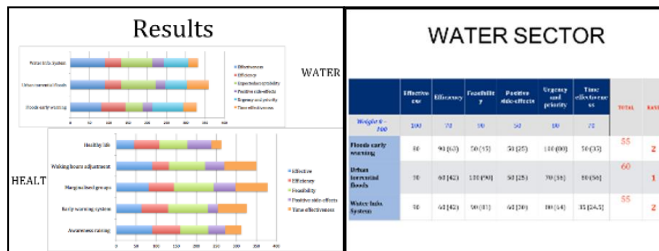
CRITERION		Urgency – already existing threats	Cost Effectiveness	Socio-economic benefits	Availability of finance	TOTAL	
OPTION							
Weight 0 – 100							
Reforestation (droughts and floods)	3	3	2	5	13		Adapt C
Improve/restore discharge capacity (floods)	8	6	5	4	22		Adapt C
Flood maps	10	7	1	8	26		Adapt C
Multipurpose reservoirs (floods and droughts)	5	8	8	5	26		Adapt C
National reaction plan for DRR (EW, Shelters, evacuation)	8	7	5	6	26	1	
Water saving technologies (drought)	5	7	5	6	23	2	

Options	Long term	Feasibility (funding)	Co-benefit to other sectors	Urgency-already existing threats	Cost-benefit ratio	Covering multiple risks	Political and cultural acceptability	Trans-boundary cooperation	Total	Ranking
Weight 0-100	65	100	70	100	90	70	100	50		
Water management										
1 Improvement of water quality	95	20	100	75	75	90	100	75	409.5	3
2 Improvement of EWS (droughts/floods)	100	75	85	60	90	100	100	100	461.5	2
3 Water supply losses reduction	90	30	70	100	90	80	100	30	383.5	4
4 Develop flood protection plans	100	70	80	100	70	95	100	100	464.75	1

CRITERION		Urgency – already existing threats	Cost-benefit ratio	Covering multiple risks	Political and cultural acceptability	TOTAL	RANKING
OPTION	Weight 0 - 100	60	90	20	70		
Adapt Option 1-Improvement of the existing and construction of additional infrastructure for irrigation	60 (36)	70 (63)	80 (16)	80 (56)	171 - 43	5	
Adapt Option 2-Water saving measures	80 (48)	90 (81)	70 (14)	80 (56)	199 - 50	3	
Adapt Option 3-Maintaining and cleaning of riverbeds	100 (60)	70 (63)	60 (12)	70 (49)	184 - 46	4	
Adapt Option 4-Improvement of the institutional and legal framework	100 (60)	100 (90)	100 (20)	80 (56)	226 - 57	1	
Adapt Option 5-Improvement of risk management systems	90 (54)	80 (72)	100 (20)	90 (63)	209 - 52	2	
Adapt Option 6-Energy sector measures	60 (36)	70 (63)	70 (14)	80 (56)	169 - 42	6	
Adapt Option 7-Urban planning measures	60 (36)	70 (63)	50 (10)	80 (56)	165 - 41	7	

weight	costs	benefits	time period for realisation	public acceptance	energy with other measures for different independence of external support	existing risk	flexibility for changes in CC projections	TOTAL
20	20	10	10	5	10	20	5	100
5	5	1	2	3	5	3	5	1
2	5	3	5	3	2	5	5	1
4	3	4	3	4	3	3	5	3
2	3	5	4	2	4	4	4	4
5	2	5	1	2	5	2	3	5
3	4	4	3	3	3	4	3	2
100	100	10	20	15	50	60	25	48
40	100	30	50	15	20	100	25	48
80	60	40	30	20	30	60	25	43
40	60	50	40	20	20	80	20	41
100	40	50	10	10	50	40	15	39
60	80	40	30	15	30	80	15	44

60 (36)	70 (63)	50 (10)	80 (56)	165 - 41							TOTAL	RANKING
						Legislation	Availability of Financial Resources	Practicability	Cost efficiency	Equity (benefits for vulnerable groups)		
OPTION	Feasibility of objectives	Covering range of effects	Political acceptability	Financial acceptability								
Weight 0 – 100	90	70	100	80	90	100	100	100	80	90		
Public awareness	54	54	90	77	77	90	80	80	77	77	658	4
Develop financial incentives to promote behaviour change	54	63	90	48	77	50	50	40	81	81	548	5
Early warning systems for extreme weather events	90	63	80	72	72	90	90	90	80	72	709	1
Urban flood management planning to consider adaptation measures and integrate water management policies more systematically	90	70	100	64	72	90	70	48	72	72	676	3
Flood and drought management planning for catchment basin	81	62	90	80	63	90	80	72	81	81	699	2
Improve the technical capacity of the industry sector to increase sector and efficiency	54	49	60	48	54	50	60	72	45	45	492	7
Provide incentives for water pollution	72	63	70	48	63	50	50	56	63	63	535	6



Thank you for your attention



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