



# 00089307

ICT for Urban Resilience of the City of Skopje

**Substantive Project Revision #1** 

March 2017









### SUBSTANTIVE PROJECT REVISION

**Project Title: ICT for Urban Resilience** 

UNDAF Outcome(s): By 2020, individuals, the private sector and state institutions base their actions on the principles of sustainable development, and communities are more resilient to disasters and environmental risks

Expected CP Outcome(s): By 2020, individuals, the private sector and state institutions base their actions on the principles of sustainable development, and communities are more resilient to disasters and environmental risks

**Expected Output(s):** Output 4.4: Communities, supported by a strong framework of national policies and infrastructure, are better prepared to prevent and respond to disasters, including the human displacement they can cause

Executing Entity: UNDP Implementing Agencies: UNDP Expected Project Output:

 Increased capacities of the city administration for planning and provision of services with use of ICT solutions aimed at increased urban resilience of Skopje

### **Substantive Revision Justification**

The purpose of this revision is to reflect the continuation of the national level activities of the project. Therefore, the project revision envisages removal of Outputs 1, 2, 3 and 4 and formulating of a new Output 1 under the same project outcome. This shall better reflect the impact of the results to be achieved. In addition, the revision extends the project duration until the end of 2017. The funds for implementation of the activities is increased by 217,836 USD to meet the cost of the requirements under the new Output. Accordingly, the Results and Resources Framework (RRF) is updated to reflect the new project reality. Within the framework of that period the activities as per the AWP for 2017 shall be implemented.

Programme Period: 2014-2017

Key Result Area (Strategic Plan): Disaster Risk

Reduction

Atlas Award ID:

00089307

Start date:

03 December 2014

End Date

31 December 2017

Total resources required:

522,836 \$

Previous budget: Revised budget: 228,726 294,110

Parallel financing:

9,196\$

Unfunded budget:

In-kind Contributions:

15,000\$

Management Arrangements: Support to NIM

Agreed by (City of Skopje): Mr. Koce Trajanovski, Mayor

Agreed by (UNDP): Mrs. Louisa Vinton, Resident Representative

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#### 1. BACKGROUND

The project "Enhancing Capacity, Knowledge and Technology Support to Build Urban Disaster and Climate Resilience in ARM, MKD and MDA (ICT for Urban Resilience)" was implemented regionally by the UNDP Istanbul Regional Hub and three national components in three countries. The main project objective was to build disaster and climate resilience by increasing institutional capacity, mobilizing knowledge and transferring appropriate best-practice innovation technologies. The project was focused on piloting/testing a number of innovative techniques and methodologies. Accordingly, there were three original project outputs of the national component:

- Capacities of the City of Skopje to develop and implement integrated disaster and climate risk reduction plans and programmes strengthened.
- Concept of Smart City solution for the rapid urbanization and climate change challenges developed.
- Improved availability of information and increased public awareness on disaster and climate risk in urban areas by implementation of regional and country level ICT solutions/mobile application.

The regional project was finalized in December 2016, as well as the national project components in Moldova and Armenia. However, the City of Skopje expressed interest to continue the collaboration with UNDP to further advance the city urban resilience agenda, and committed additional funding in their annual budget for 2017.

Therefore, it is necessary to revise the project outputs with removal of existing three and formulation of a new output, as well as update the Results and Resources Framework (RRF) to reflect the new realities of the project implementation. The duration of the project should be extended till the end of 2017.

### 2. PROGRESS UPDATE

In 2016 the project achieved the following results:

- Draft version of the Integrated Urban Resilience Action Plan of the City of Skopje was developed through participation of representatives of the City of Skopje and municipalities on the territory of the city. It lays ground for strengthening the capacities of the local government to design and implement integrated disaster and climate risk reduction plans and programmes.
- First ever Skopje Green Cadaster framework established for better management with the public greenery enhancing the urban resilience of the city. In total 650 ha of urban greenery were geodetically surveyed, mobile app for trees inventorization developed and foundations of GIS platforms for improved management of the public greenery established, including mobile solution for citizens crowdsourcing of data on trees and shrubs.
- The first ever Climate Change Strategy Resilient Skopje developed. The strategy includes an Action Plan with defined timeframe for implementation of mitigation and adaptation measures and actions.





- Floods hazards and risks for the City of Skopje identified and modelled for better prevention and response including the preliminary estimation of damages and losses. This type of GIS modelling supports the flood risk assessment process through improved preparation of scenarios and plans for floods on the territory of the City of Skopje. In addition, the activities for establishment of the registry of underground wells on the territory of the City of Skopje were initiated.
- Furthermore, the interconnectivity with the Crisis Management Centre was improved through development of spatial services (wells, water supply systems, reservoirs, water treatment facilities, as well as temporary facilities). This approach shall be replicated with data collection in all other municipalities in the country strengthening the analysis of the exposure and vulnerability of additional critical infrastructure facilities.
- In partnership with USAID, Swedish Embassy, the Ministry of Environment and Physical Planning, MilieuKontakt Macedonia, the Social Innovation Hub and FINKI, the "It Depends on You" challenge was organized for second year in row. The challenge engaged citizens and broader public to propose solutions for climate change adaptation and increasing the urban resilience. The winning solution was ReBoot smart recycling. In addition, several other ideas were awarded and possible support: Treebook crowdsourcing of trees and better public greenery management and air purifying billboards.
- Draft version of the National Integrated Risk and Hazard Assessment was updated with the data and information from recent disastrous events, including the Skopje torrential flooding from 06 August 2016. This can support better understanding of the hazards and exposure and vulnerability of critical infrastructure and population on the territory of the City of Skopje and the country.

## 3. DESCRIPTION OF REVISION

In the view of the above mentioned, the Project has been revised in order to envisage the new activities to be implemented within the new Output framework, to extend the necessary period for implementation, as well as to increase the project budget and adjust the RRF and the AWP to the new project reality.

Reset of the project outputs is recommended with removal of existing project outputs and formulating of a new Output under the same Outcome. This shall better reflect the impact of the results to be achieved. Accordingly, the new Output 1 is formulated as following: *Increased capacities of the city administration for planning and provision of services with use of ICT solutions aimed at increased urban resilience of Skopje.* Consequently, the Results and Resources Framework of the project is updated and it is enclosed as Annex I.1.

Within this project framework following results shall be achieved:

- Integrated Urban Resilience Action Plan for the City of Skopje finalized;
- Climate Change Strategy for the City of Skopje Resilient Skopje promoted;
- Priority measures and activities for adaptation and mitigation to climate change in accordance with the Action Plan of the Strategy on Climate Change of the City of Skopje implemented;





- Sustainability Module of the Skopje Smart City Strategy and roadmap for its implementation developed;
- Vision and goals of the Skopje Smart City Strategy defined;
- Skopje Green Cadaster upgraded through inventorization of additional trees and shrubs;
- Registry of underground wells on the territory of the GUP of Skopje established;
- Review of existing legislative and institutional framework for preparation of internal and external plans for emergency management of dangerous substances completed and a roadmap for development of the external plan for the City developed;
- Skopje GHG Inventory with data for 2013, 2014 and 2015 updated;
- Heating study for the specific planning needs of the City of Skopje adjusted;
- Erosion study for the City of Skopje including an Action Plan prepared.

In order to implement these modifications, extension of the project time-framework is necessary until 31 December 2017.

The project will continue to be implemented under the Support to NIM Modality implementation arrangements.

Annual Work Plans for each individual year for the period 2015 – 2017 shall be considered as a part of this project document and the Results and Resources Framework. The Annual Work Plans for 2015 and 2016 are part of the Project Document, whether the Annual Work Plan for 2017 is integral part of this revision as Annex I. II.

All other terms and conditions of the Project Document, except as mentioned herein, shall remain unchanged and shall continue in full force and effect.

Intended Outcome as stated in the UNDAF/Country [or Global/Regional] Programme Results and Resource Framework: By 2020, individuals, the private sector and state institutions base their actions on the principles of sustainable development, and communities are more resilient to disasters and environmental risks.

Outcome indicators as stated in the Country Programme Results and Resources Framework, including baseline and targets: Economic loss from natural hazards and disaster as share

Baseline: 0,68% (2015)

Target: 0.20% (2020)

management measures at national and sub-national levels Applicable Output(s) from the UNDP Strategic Plan: 5.2 Effective institutional, legislative and policy frameworks in place to enhance the implementation of disaster and climate risk

Project title and Atlas Project Number: ICT for Urban Resilience 00089307

		aimed at increased urban resilience of Skopje	for planning and provision of services with use of ICT solutions	Increased capacities of the city administration	Output 1			COUPUIS	EXPECTED
	1.3 City of Skopje budget for urban resilience activities as share of total annual budget	2017	1.2 Number of measures from the Climate Change Strategy - Resilient Skopje prioritized and implemented in	Action Plan of the City of Skopje finalized as a practical tool for improved resilient planning and programming	1.1 First Integrated Urban Resilience				OUTPUT INDICATORS
	City of Skopje budget	Action Plan City of Skopje budget	CC Strategy Resilient Skopje	Skopje document acceptance letter	City of			SOURCE	DATA
			0	C	0			Value	BASELINE
			2014	P .	2014			Year	LINE
				ŀ	7			01	TARG
			2					02	TARGETS (by frequency of data collection)
			<b>⊢</b> 2					03	equency o
			W					04	f data coll
			6	ŀ	-3	FINAL	2017	Year	ection)
No risk.	Reporting/City of Skopje budget review	Risks: Financial — some contracts may accede the available budget.	Reporting/Project records/City oj Skopje documents/Evaluations	No risks.	Penorting / Project records			RISKS	DATA COLLECTION METHODS &

1.8 Erosion Study of the City of Skopje with Action Plan developed	1.7 Smart City Concept including visions and objectives and the Sustainability chapter from the Strategy developed laying a ground for finalization of the first ever Skopje Smart City strategy	legal entities on the territory of the GUP of the City of Skopje established for better management and affordability of water resources	strengthened coordination and communication of key entities and resources	1.5 Simulation exercise for testing of the	1.4 Capacities of the employees in the relevant departments increased by better programming and planning of activities for urban resilience
Erosion Study	Smart City Concept with Sustainabilit y Chapter document	e for inventorizati on GIS Registry	form	Exercise	Survey
0	0	(36 wells invent oried)		0	TBD
2016	2014	2010	2016	2014	
	1	C	>		
		(150 new wells invent oried)		1	
1					TBD
1	<i>⊢</i> ∠	(186 wells inventori ed)		F-3	
Reporting/Project reports/City of Skopje acceptance	Reporting/Acceptance by the City of Skopje	records/Verification of the GIS Registry by the City of Skopje Risk: Accessibility for inventorization of underground wells operated or owned by legal entities.	Risk: Possible delay in executions due to the upcoming local elections.	Reporting/Interviews/Project	Reporting/Survey  No risks.

ANNEX 1.2 - ANNUAL WORK PLAN FOR FY 2017 - 00089307 ICT FOR URBAN RESILIENCE

										Gender marker: 2	Skopje	use of ICT solutions aimed at increased urban resilience of	and provision of services with	Increased capacities of the city	Output 1:		EXPECTED OUTPUT
	Strategy and roadmap for its implementation	1.4 Preparation of the Sustainability  Module of the Skopje Smart City		establishment of a Registry	of GUP of the City of Skopie and	1.3 Finalization of the inventorization				exercise for testing the plan	1.2 Implementation of a simulation		City of Skopje	Action	1.1 Finalization of the Integrated		PLANNED ACTIVITIES
×	×				×									×		Q1	Plann
	×				×					×						02	ed Budge
																Q3	Planned Budget by Year 2017
																Q4	2017
	മാമ	UNDP, City of Skopje, Microsoft,	contractor	enterprises, private		MoEPP, relevant ministries and	CN	UNDP, City of	Cross, private sector	and agencies, local authorities, Red	relevant ministries	UNDP, City of Skopie CMC PRD	consultant	Skopje, CMC, PRD,	UNDP, City of	PARTY	RESPONSIBLE
04000		30071					30071	30071				30071		30072	04000	Funding Source	P
71300		72100					72100	72100				71200		72100	71300	Budget Description	PLANNED BUDGET
3,965		6,500					12,000	6,500				1,500		47	4,077	Amount	ET

1.9 Preparation of the Erosion study for the City of Skopje including Action Plan	1.8 Review of existing legislative and institutional framework for internal and external plans for emergency management of dangerous substances and roadmap for development of the external plan for the City of Skopje	1.8 Finalization of the 1 <sup>st</sup> Phase of the Skopje Green Cadastre with census of at least 40,000 trees and shrubs and GIS platform established	1.7 Identification and implementation of priority measures from the Resilient Skopje strategy	1.6 Promotion of the Climate Change Strategy of the City of Skopje – Resilient Skopje	1.5 Definition of the vision and goals of the City of Skopje Smart City Strategy
tion	and rnal ency rous for	the sof x	tion the	rge ×	oals City
×	×	×	×		
×	×	×	×		
×	×	×	×		
UNDP, City of Skopje, CMC, consultants, MoEPP, MFWA, PRD, relevant	UNDP, City of Skopje, CMC, MoEPP, PRD, relevant ministries and agencies, local authorities, consultants, academia	UNDP, City of Skopje, local authorities, PE Parkovi I Zelenilo, consultants	UNDP, City of Skopje, relevant ministries and agencies, local authorities, consultants, academia	UNDP, City of Skopje, consultants, local authorities, academia	Skopje, consultant, local authorities, academia
30071 30071 30071	30071 30071 30071 30071 30071	30071 30071 30071	30071 30071 30071	30071	
71300 72100 74200	71300 71600 71200 74200	71600 72100 72800	71300 71600 72100	71200 74200	
8,000 39,090 2,500	12,000 3,000 18,500 2,000	3,000 59,172 4,000	8,000 2,000 43,992	1,000	

TOTAL	GMS 3%	Evaluation																					
		EVALUATION	Sub-Total for Output 1	MONITORING									1.12 Project Management Support	and at a scale of	for the specific planning needs of the City of Skonie	1.11 Adjustment of the heating study		מומ לסד?	Inventory with data for 2013, 2014	1.10 Update of the Skopje GHG			
				×					×														
				×					×					>	×			>	×				
				×					×														
				×					×														
				UNDP					UNDP					consultants, academia	Skopje, local	UNDP, City of	academia	consultants,	Skopje, local	City	academia	Š	ministries and agencies, local
	3071			30071	04000	04000	04000	04000	04000	04000	30071	30071	30071		30071	30071		30071	30071	30071			
	75100			72400	74500	73100	72400	71400	71300	64300	74500	72400	64300		72100	71300		72400	72100	71300			
294,110	4,275	n/a		500	924	1,500	1,200	16,000	2,000	334	730	1,212	1,670		5,000	3,000		1,000	6,000	10,000			

ANNEX I.1 - RESULTS RESOURCES FRAMEWORK — 00089307 ICT FOR URBAN RESILIENCE

Intended Outcome as stated in the UNDAF/Country [or Global/Regional] Programme Results and Resource Framework: By 2020, individuals, the private sector and state institutions base their actions on the principles of sustainable development, and communities are more resilient to disasters and environmental risks. Outcome indicators as stated in the Country Programme Results and Resources Framework, including baseline and targets: Economic loss from natural hazards and disaster as share of GDP

Baseline: 0,68% (2015)

Target:0.20% (2020)

Applicable Output(s) from the UNDP Strategic Plan:5.2 Effective institutional, legislative and policy frameworks in place to enhance the implementation of disaster and climate risk management measures at national and sub-national levels

Project title and Atlas Project Number: ICT for Urban Resilience 00089307

	DATA COLLECTION METHODS &	RISKS		Reporting/Project records	- 1 v	NO TISKS.		Reporting/Project records/City of	Skopje documents/Evaluations		Risks: Financial – some contracts	may accede the available	budaet.	
	lection)	Year 2017	FINAL	1				9						
	if data col	Q4						3						
	eduency o	03						1						
	TARGETS (by frequency of data collection)	02						2						
	TARG	01		1										
	LINE	Year		2014				2014						
	BASELINE	Value		0				0						
10000000 a	DATA	SOURCE		City of	document	acceptance	letter	CC Strategy	Resilient	Skopje	Action Plan	City of	Skopje	budget
righter that and Adias righter Mulliberated for Orban neshierite 00005507	OUTPUT INDICATORS			1.1 First Integrated Urban Resilience	Action Figure 5 to 3 shoppe finalized as a practical tool for improved	resilient planning and programming	_	1.2 Number of measures from the	Climate Change Strategy - Resilient	Skopje prioritized and implemented in	2017			
נוספר חוופ מוות שו	EXPECTED	OUTPUTS		Output 1	Increased capacities of the	city	administration	for planning and	provision of	services with use	gimod at	increased urhan	recilience of	יבאוובוובר ס

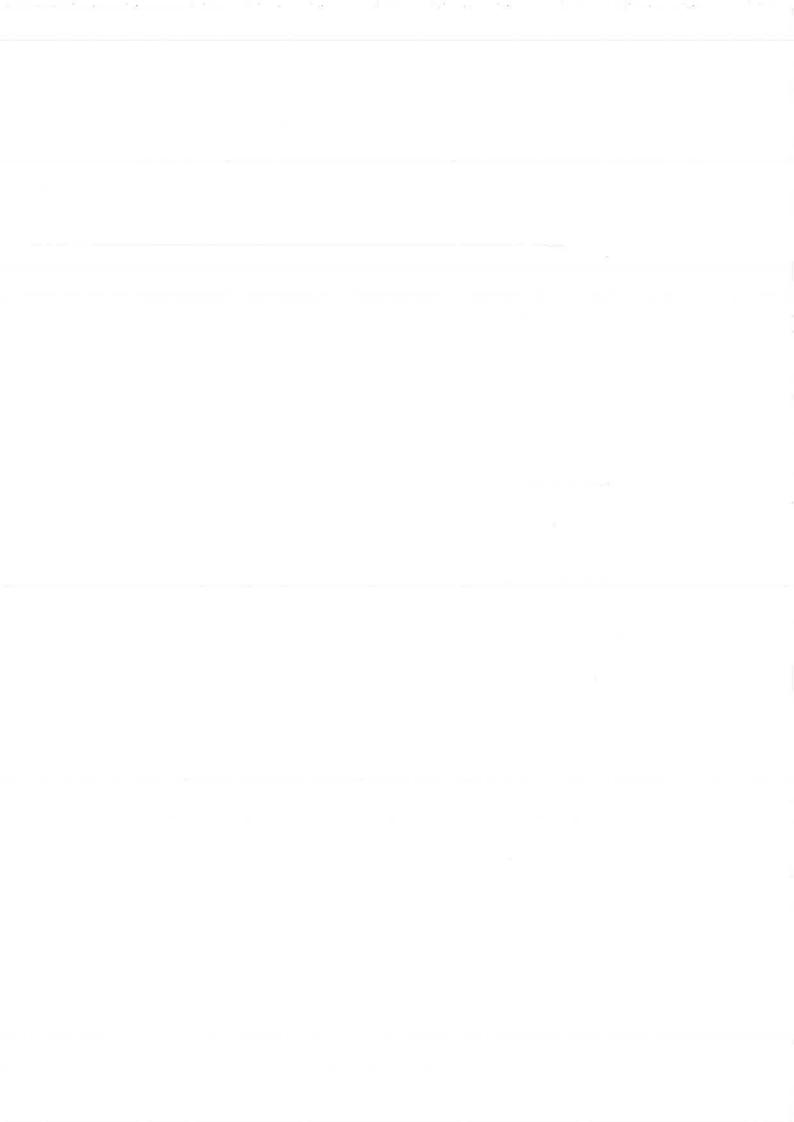


Skopje	1.3 City of Skopje budget for urban resilience activities as share of total annual budget	City of Skopje budget							Reporting/City of Skopje budget review
									No risk.
	1.4 Capacities of theemployees in the relevant departments increased by better programming and planning of activities for urban resilience	Survey	TBD				TBD		Reporting/Survey No risks.
	1.5Simulation exercise for testing of the Plan successfully implemented and strengthened coordination and communication of key entities and resources	Exercise evaluation form	0	2014		1		1	Reporting/Interviews/Project records Risk: Possible delay in executions due to the upcoming local elections.
	1.6Registry of underground wells of legal entities on the territory of the GUP of the City of Skopje established for better management and affordability of water resources	Questionnair e for inventorizati on GIS Registry	0 (36 wells invent oried)	2016	0	1 (150 new wells invent oried)		1 (186 wells inventori ed)	Survey/Reporting/Project records/Verification of the GIS Registry by the City of Skopje Risk: Accessibility for inventorization of underground wells operated or owned by legal entities.
	1.7Smart City Concept including visions and objectives and the Sustainability chapter from the Strategy developed laying a ground for finalization of the first ever Skopje Smart City strategy	Smart City Concept with Sustainabilit y Chapter document	0	2014	1			1	Reporting/Acceptance by the City of Skopje
2	1.8Erosion Study of the City of Skopje with Action Plan developed	Erosion Study	0	2016		÷	1	1	Reporting/Project reports/City of Skopje acceptance

ANNEX I.2 - ANNUAL WORK PLAN FOR FY 2017 - 00089307 ICT FOR URBAN RESILIENCE

	realined Activities	Planne	d Budge	Planned Budget by Year 2017	2017	RESPONSIBLE	Q.	PLANNED BUDGET	ь
	J.	0,1	02	03	0,4	PARTY	Funding Source	Budget Description	Amount
Output 1:						UNDP, City of	04000	71300	4,077
Increased capacities of the city Urbar	1.1 Finalization of the Integrated Urban Resilience Action Plan of the	×				Skopje, CMC, PRD,	30072	72100	47
						municipalities, consultant			
use of ICT solutions aimed at						UNDP, City of	30071	71200	1,500
increased urban resilience of						Skopje, CMC, PRD,			
Skopje						relevant ministries			
1.2	1.2 Implementation of a simulation		×			and agencies, local			
	מזכ וסו לכזנוון פינוכ אומון					authorities, Red			
ספוומפן זוומואפן: 2						Cross, private			
						sector			
							30071	72100	9,500
						Cit	30071	72100	12,000
						Skopje, CMC,			
•						MoEPP, relevant			
1.3 F	1.3 Finalization of the inventorization					ministries and			
of un	of underground wells on the territory	×	×			agencies, local			
of G	of GUP of the City of Skopje and					S,			
estab	establishment of a Registry					enterprises, private			
						companies,			
						contractor			

its x x x local authorities, academia  Skopje, consultant, local authorities, academia  WNDP, City of Skopje, consultants, local authorities, academia  WNDP, City of Skopje, relevant ministries and authorities, local local skopje, city of Skopje, local send	I <sup>n</sup>	1.4 Preparation of the Sustainability Module of the Skonie Smart City			;=		UNDP, City of Skopje, Microsoft,	30071	72100	6,500
x Skopje, consultant, local authorities, academia  NNDP, City of Skopje, consultants, local authorities, academia  UNDP, City of Skopje, relevant ministries and agencies, local authorities, consultants, academia  NNDP, City of Skopje, relevant ministries and agencies, local authorities, consultants, academia  NNDP, City of Skopje, local authorities, PE Parkovi I Zelenilo, consultants  UNDP, City of Skopje, CMC, x x x x x x NOEPP, PRD, relevant ministries and agencies, local and agencies, local		Strategy and roadmap for its implementation	×	×			emia			
x Skopje, consultant, local authorities, academia  WNDP, City of Skopje, consultants, local authorities, academia  WNDP, City of Skopje, relevant ministries and authorities, academia  X X X agencies, local authorities, local authorities, academia  WNDP, City of Skopje, relevant ministries and academia  UNDP, City of Skopje, local Skopje, City of Skopje, City of Skopje, CMC, relevant ministries and agencies, local and agencies, local		11 11 11 11 11 11 11 11 11 11 11 11 11					City	04000	71300	3,965
hange		L.S Definition of the vision and goals of the City of Skopje Smart City Strategy	×							
x Skopje, consultants, local authorities, academia ntation n the x x x x agencies, local authorities, consultants, academia uNDP, City of Skopje, relevant notes of x x x x authorities, per parkovi 1 Zelenilo, consultants ive and x x x x authorities, per parkovi 1 Zelenilo, consultants ive and x x x x x authorities, per parkovi 1 Zelenilo, consultants ive and x x x x x authorities, per parkovi 1 Zelenilo, consultants ive and x x x x x authorities, per parkovi 1 Zelenilo, consultants ive and x x x x x x authorities, per parkovi 1 Zelenilo, consultants ive and x x x x x x authorities, per parkovi 1 Zelenilo, consultants ive and x x x x x x x x x x x x x x x x x x x		1.6 Promotion of the Climate Change					City	30071	71200	1,000
plementation the trom trom trom trom trom trom trom trom		Strategy of the City of Skopje –	×				Skopje, consultants,	30071	74200	1,500
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from the x x x agencies, local authorities, consultants, academia academia  Phase of the the shrubs and x x x authorities, PE shrubs and for internal for internal consultants and dangerous admap for a from the form of the		1.7 Identification and implementation					ele ele	30071	71600	2,000
x x x authorities,    UNDP, City of Skopje, local Parkovi I Zelenilo, consultants   UNDP, City of Skopje, local Parkovi I Zelenilo, consultants   UNDP, City of Skopje, CMC, x x x x MoEPP, PRD, relevant ministries and agencies, local pagencies, local		from		×	×	×	ļ	30071	72100	43,992
x x x authorities, local skopje, local suthorities, PE parkovi I Zelenilo, consultants  UNDP, City of consultants  UNDP, City of Skopje, CMC, x x x MoEPP, PRD, relevant ministries and agencies, local supplementations		Kesillent Skopje strategy					autionities, consultants, academia			
X X X authorities, PE Parkovi I Zelenilo, consultants  UNDP, City of Skopje, CMC, X X X MoEPP, PRD, relevant ministries and agencies, local		1 & Finalization of the 1st Dhace of the					City	30071	71600	3,000
Parkovi I Zelenilo, consultants UNDP, City of Skopje, CMC, x x x MoEPP, PRD, relevant ministries and agencies, local		Skopje Green Cadastre with census of	×	×	×	×	ol sei	30071	72100	59,172
consultants  UNDP, City of Skopje, CMC, X X MoEPP, PRD, relevant ministries and agencies, local		at least 40,000 trees and shrubs and		<	<	ς.	Zelen	30071	72800	4,000
UNDP, City of Skopje, CMC, X X X MoEPP, PRD, relevant ministries and agencies, local		ols platiorni estabilsned					consultants			
Skopje, CMC,  x x X MoEPP, PRD,  relevant ministries and agencies, local		1.8 Review of existing legislative and					City	30071	71300	12,000
relevant ministries and agencies, local		institutional framework for internal		,	,	;		30071	71600	3,000
and roadmap for		and external plans for emergency management of dangerous		<	<	<		30071	71200	18,500
		and road					ĒΙ	30071	74200	2,000



	8,000	39,090	2,500					10,000	6,000	1,000		3,000	5,000		1,670	1,212	730	334	2,000	16,000	1,200	1,500	924
	71300	72100	74200					71300	72100	72400		71300	72100		64300	72400	74500	64300	71300	71400	72400	73100	74500
	30071	30071	30071					30071	30071	30071		30071	30071		30071	30071	30071	04000	04000	04000	04000	04000	04000
authorities, consultants, academia	UNDP. City of	S	nts,	Moepp, Mrwa, PRD. relevant	tries	agencies, local	academia	UNDP, City of	Skopje, local	authorities,	academia	UNDP, City of	Skopje, local	authorities, consultants, academia					UNDP				
				×															×				
				×															×				
				×						×				×					×				
																			×				
development of the external plan for the City of Skopje	1.9 Preparation of the Erosion study	for the City of Skopje including Action	Plan					1.10 Update of the Skopje GHG	Inventory with data for 2013, 2014	and 2015		1.11 Adjustment of the heating study	for the specific planning needs of the	City of Skopje	1.12 Project Management Support								

,	MONITORING	×	×	×	×	UNDP	30071	72400	200
	Sub-Total for Output 1								
Evaluation	EVALUATION								n/a
GMS 3%							3071	75100	4,275
TOTAL									294,110

