



SWARM

Let's brainstorm strengths, weaknesses, opportunities and threats as part of our planning of actions for innovation in WRM for Western Balkans

CREATED BY ZAKHAR MALETSKYI 3 DAYS AGO

Process

Brainstorm

Let's brainstorm our strengths, weaknesses, opportunities and threats.

Everyone can add ideas

Brainstorming individually

You will only see your ideas in this step

Ideas sorted by **Position**



Rate

Now let's rate each item based on what level of impact you think it has.

Rate ideas on 1 dimension

Low ← *Impact* → High

Ideas sorted by **Position**



Results

Here is our completed and prioritized SWOT for discussion and strategy planning.


Ideas sorted by **Rating (Impact)**

Ideas sized by **Rating (Impact)**


Participants

Participants 27

	NAME ▲	EMAIL	ROLE	JOINED
BK	Barbara Karleusa	barbara.karleusa@uniri.hr	contributor	05/07/2019
B	Barbara Karleuša	barbara.karleusa@uniri.hr	contributor	05/08/2019
D	Dejanubavin	dejanubavin@uns.ac.rs	contributor	05/09/2019
DM	Djurica Markovic	djurica.markovic@pr.ac.rs	contributor	05/09/2019
ES	Edin Sunje	edin.sunje@unmo.ba	contributor	05/09/2019
ESH	Elisabeth Sundheim Hoff	elisabeth.sundheim.hoff@nmbu.no	facilitator	05/07/2019
G	Gvozdena	gvozdena2001@yahoo.com	contributor	05/09/2019
H	Hskoulik	hskoulik@civil.auth.gr	contributor	05/07/2019
IP	Igor Pesko	igor.pesko@gmail.com	contributor	05/09/2019
I	Ivanacipranic	ivanacipranic@yahoo.com	contributor	05/09/2019
JD	Jelena Djokic	jelena.djokic@pr.ac.rs	contributor	05/09/2019
KG	Kurt Glock	kurt.glock@boku.ac.at	contributor	05/09/2019
LR	Luis Ribeiro	luis.ribeiro@ist.utl.pt	contributor	05/09/2019
MMP	Maria Manuela Portela	maria.manuela.portela@tecnico.ulisboa.pt	contributor	05/09/2019
MM	maria mavrova	margir_fhe@abv.bg	contributor	05/09/2019
MS	Merima Salcin	merima.salcin@unmo.ba	contributor	05/09/2019
MT	Michael Tritthart	michael.tritthart@boku.ac.at	contributor	05/07/2019
MG	Milan Gocic	milan.gocic@gaf.ni.ac.rs	viewer	05/06/2019
ND	Nevena Dragicevic	nevena.dragicevic@uniri.hr	contributor	05/09/2019
O	Ogavrilovic	ogavrilovic@vodevojvodine.com	contributor	05/09/2019
P	Pifilkov	pifilkov@yahoo.com	contributor	05/07/2019
P	Prinosp	prinosp@civil.auth.gr	contributor	05/09/2019
R	Rodrigopoliveira	rodrigopoliveira@tecnico.ulisboa.pt	contributor	05/09/2019
SSO	Sandra Stankovic Op	sandra.stankovic.op@gmail.com	contributor	05/09/2019
S	Sgoran	sgoran2000@gmail.com	contributor	05/09/2019
S	Slavisa	slavisa@gaf.ni.ac.rs	contributor	05/09/2019

	Zakhar Maletskyi	zakhar.maletskyi@gmail.com	owner	05/06/2019
---	------------------	----------------------------	-------	------------

Participant Activity 27

	NAME	LAST ACTIVITY	# COMMENTS ▼	# CHAT MESSAGES	# IDEAS CREATED	# RATED IDEAS
R	Rodrigopoliveira	05/09/2019	2			78
B	Barbara Karleuša	05/09/2019	1		31	79
DM	Djurica Markovic	05/09/2019				79
D	Dejanubavin	05/09/2019				79
S	Sgoran	05/09/2019				79
JD	Jelena Djokic	05/09/2019				79
LR	Luis Ribeiro	05/09/2019				79
O	Ogavrilovic	05/09/2019				79
MMP	Maria Manuela Portela	05/09/2019				79
G	Gvozdena	05/09/2019				79
P	Prinosp	05/09/2019				67
MM	maria mavrova	05/09/2019				77
SSO	Sandra Stankovic Op	05/09/2019				79
KG	Kurt Glock	05/09/2019				79
S	Slavisa	05/09/2019				78
IP	Igor Pesko	05/09/2019				79
MS	Merima Salcin	05/09/2019				79
ES	Edin Sunje	05/09/2019				79
ND	Nevena Dragicevic	05/09/2019				79
I	Ivanacipranic	05/09/2019				79
	Zakhar Maletskyi	05/09/2019				79
P	Pifilkov	05/09/2019			16	74
ESH	Elisabeth Sundheim Hoff	05/09/2019				
MT	Michael Tritthart	05/09/2019			16	79
H	Hskoulik	05/09/2019			16	79

BK	Barbara Karleusa	05/07/2019				
MG	Milan Gocic	05/06/2019				

Ideas

Ideas 79

TITLE ▲	DESCRIPTION	CREATED BY	CREATED DATE
All identified weaknesses provide the opportunity to be turned into strengths		Michael Tritthart	05/09/2019
Awareness of the need to do something due to recent events		Michael Tritthart	05/09/2019
Citizen science		Barbara Karleuša	05/09/2019
Climate change (growing population in cities, increased heat waves during summer)		Hskoulik	05/09/2019
Climate conditions (WB), availability of water resources		Barbara Karleuša	05/09/2019
Corruption		Pifilkov	05/09/2019
Corruption		Hskoulik	05/09/2019
Creativeness and resilience		Michael Tritthart	05/09/2019
Decrease and aging of population		Hskoulik	05/09/2019
Define sanitary protection zones		Barbara Karleuša	05/09/2019
Digitalization		Michael Tritthart	05/09/2019
Ecological hazard		Hskoulik	05/09/2019
Efficiently and in time data preparation (information systems, platforms, ...)		Barbara Karleuša	05/09/2019
Flexibility due to decentralization		Michael Tritthart	05/09/2019
Good education (particularly in water-related issues)		Michael Tritthart	05/09/2019
Good geographical location, good climate, topography, high water resources potential		Michael Tritthart	05/09/2019
Good media coverage (related to different types of media)		Michael Tritthart	05/09/2019
Green infrastructure		Barbara Karleuša	05/09/2019
Human potential in IT sector to develop smart systems		Michael Tritthart	05/09/2019
Human resources (professionals and academics)		Michael Tritthart	05/09/2019
Immigration (threat or opportunity?)		Barbara Karleuša	05/09/2019

Increased touristic industry in coastal areas		Hskoulik	05/09/2019
Increasing human capacities using projects, funds		Barbara Karleuša	05/09/2019
Information systems & digitalization - abundance of data		Barbara Karleuša	05/09/2019
Innovative methods for payments of penalties		Pifilkov	05/09/2019
Integrated management, interdisciplinary		Barbara Karleuša	05/09/2019
Introduce economic price of water (value)		Barbara Karleuša	05/09/2019
introduction of public-private partnerships		Barbara Karleuša	05/09/2019
IT sector, artificial intelligence		Barbara Karleuša	05/09/2019
IT security threats (cybersecurity)		Hskoulik	05/09/2019
Keep traditional systems for collecting and using water (rain harvesting for water supply of households)		Barbara Karleuša	05/09/2019
Know-how practices		Barbara Karleuša	05/09/2019
laboratory and field measurement equipment		Barbara Karleuša	05/09/2019
Lack of cooperation and communication between Ministries and authorities		Pifilkov	05/09/2019
Lack of educated people in decision-making positions		Hskoulik	05/09/2019
Lack of finances		Pifilkov	05/09/2019
Lack of good public data - inaccuracy		Hskoulik	05/09/2019
Lack of political willingness for implementation of WRM		Hskoulik	05/09/2019
Lack of public awareness		Hskoulik	05/09/2019
Lack of transboundary cooperation		Hskoulik	05/09/2019
Lack of understanding (ignorance) of political class about Water Resource Management		Pifilkov	05/09/2019
Lack of water related laws implementation on all levels		Pifilkov	05/09/2019
Lack of hydrological/climate, etc. data		Pifilkov	05/09/2019
Lessons learned - WB countries will not repeat the mistakes done in EU countries		Barbara Karleuša	05/09/2019
link between different planes (spatial planes, water management plans)		Barbara Karleuša	05/09/2019
LLL courses		Barbara Karleuša	05/09/2019
Master courses		Barbara Karleuša	05/09/2019

No politics to save water and to prevent pollution		Pifilkov	05/09/2019
No public awareness and political will		Pifilkov	05/09/2019
No requirements for occupying a place in water administration or if there are, they are not met		Pifilkov	05/09/2019
Not clear responsibility role among the authorities		Hskoulik	05/09/2019
Not holistic vision of WRM		Hskoulik	05/09/2019
Not public access to hydrological/climate, etc. data		Pifilkov	05/09/2019
Not enough capacity		Pifilkov	05/09/2019
Old or lack of infrastructure (WWTPs, etc.)		Pifilkov	05/09/2019
Optimize and improve managing policies		Barbara Karleuša	05/09/2019
Organize cycle education for experts		Barbara Karleuša	05/09/2019
Political will		Michael Tritthart	05/09/2019
Possibilities to incorporate knowledge from Western Balkans knowledge, history and traditions		Michael Tritthart	05/09/2019
Possibilities to learn from good examples and practices e.g. in EU countries		Michael Tritthart	05/09/2019
Possibilities to learn from mistakes already made somewhere else		Michael Tritthart	05/09/2019
Possibilities to obtain European support and funding for implementation		Michael Tritthart	05/09/2019
Provide information to public		Barbara Karleuša	05/09/2019
Raise awareness from primary user to global/higher level (Kosovo) - how to properly use the water? education of people	using media (on-line, tv,...)	Barbara Karleuša	05/09/2019
Ready to apply for EU funds, with preparation of data and projects in time		Barbara Karleuša	05/09/2019
Reconstruction of existing hydraulic structures		Barbara Karleuša	05/09/2019
Smart cities		Barbara Karleuša	05/09/2019
Strategies are in place to move towards European policy framework		Michael Tritthart	05/09/2019
Strengthen collaboration between countries in region		Barbara Karleuša	05/09/2019
The penalties of polluters are not paid as nobody collects them		Pifilkov	05/09/2019
Uncontrolled use of fertilizers and pesticides (diffuse pollution)		Hskoulik	05/09/2019

Uncontrolled use of surface and ground water		Pifilkov	05/09/2019
Unstable political situation		Hskoulik	05/09/2019
Use EU legislation directly (adopt)		Barbara Karleuša	05/09/2019
Use international knowledge networks		Barbara Karleuša	05/09/2019
Use of nature-based solutions		Barbara Karleuša	05/09/2019
Use the existing knowledge, start directly to use top technologies, modelling based on remote sensing provided by European Space Agency		Barbara Karleuša	05/09/2019
Water is not valued (not fair water prices)		Pifilkov	05/09/2019
Weak economy		Hskoulik	05/09/2019

Comments

Comments by idea 3

	PARTICIPANT NAME	IDEA ▲	COMMENT	DATE
R	Rodrigopoliveira	Human resources (professionals and academics)	Do they exist in quantity?	05/09/2019
B	Barbara Karleuša	Master courses	REMOVED	05/09/2019
R	Rodrigopoliveira	Political will	I do not believe there is political will	05/09/2019

Chat

Chat messages

PARTICIPANT NAME	MESSAGE	DATE ▼
------------------	---------	--------

Nothing to show

Brainstorm

Let's brainstorm our strengths, weaknesses, opportunities and threats.

Ideas

TITLE ▲	CREATED BY	LIST
---------	------------	------

Nothing to show

Rate

Now let's rate each item based on what level of impact you think it has.

Idea Ratings 79

TITLE	IMPACT < LOW HIGH > ▼
Corruption	
Lack of water related laws implementation on all levels	
Corruption	
Lessons learned - WB countries will not repeat the mistakes done in EU countries	
Lack of educated people in decision-making positions	
Unstable political situation	
Lack of political willingness for implementation of WRM	
Information systems & digitalization - abundance of data	
Strengthen collaboration between countries in region	
Creativeness and resilience	
Human resources (professionals and academics)	
Ready to apply for EU funds, with preparation of data and projects in time	
Possibilities to obtain European support and funding for implementation	
No politics to save water and to prevent pollution	
Use international knowledge networks	
IT sector, artificial intelligence	
Increasing human capacities using projects, funds	
Lack of understanding (ignorance) of political class about Water Resource Management	
Good education (particularly in water-related issues)	
Lack of cooperation and communication between Ministries and authorities	

Master courses	
Not holistic vision of WRM	
Lack of transboundary cooperation	
The penalties of polluters are not paid as nobody collects them	
Possibilities to learn from good examples and practices e.g. in EU countries	
Lack of public awareness	
Lack of hydrological/climate, etc. data	
Uncontrolled use of surface and ground water	
Weak economy	
No public awareness and political will	
Human potential in IT sector to develop smart systems	
Digitalization	
Lack of good public data - inaccuracy	
Organize cycle education for experts	
Know-how practices	
Efficiently and in time data preparation (information systems, platforms, ...)	
Old or lack of infrastructure (WWTPs, etc.)	
Integrated management, interdisciplinary	
Water is not valued (not fair water prices)	
Green infrastructure	
Possibilities to learn from mistakes already made somewhere else	
Use of nature-based solutions	
Ecological hazard	
laboratory and field measurement equipment	
Optimize and improve managing policies	
Not clear responsibility role among the authorities	
Lack of finances	
Use the existing knowledge, start directly to use top technologies, modelling based on remote sensing provided by European Space Agency	

Climate change (growing population in cities, increased heat waves during summer)	
Smart cities	
Reconstruction of existing hydraulic structures	
Raise awareness from primary user to global/higher level (Kosovo) - how to properly use the water? education of people	
Good geographical location, good climate, topography, high water resources potential	
Provide information to public	
All identified weaknesses provide the opportunity to be turned into strengths	
Climate conditions (WB), availability of water resources	
Not public access to hydrological/climate, etc. data	
Strategies are in place to move towards European policy framework	
Awareness of the need to do something due to recent events	
link between different planes (spatial planes, water management plans)	
Uncontrolled use of fertilizers and pesticides (diffuse pollution)	
LLL courses	
Innovative methods for payments of penalties	
Introduce economic price of water (value)	
Political will	
Possibilities to incorporate knowledge from Western Balkans knowledge, history and traditions	
introduction of public-private partnerships	
Not enough capacity	
Keep traditional systems for collecting and using water (rain harvesting for water supply of households)	
Citizen science	
Good media coverage (related to different types of media)	
Decrease and aging of population	

No requirements for occupying a place in water administration or if there are, they are not met	
Increased touristic industry in coastal areas	
Define sanitary protection zones	
Flexibility due to decentralization	
Use EU legislation directly (adopt)	
Immigration (threat or opportunity?)	
IT security threats (cybersecurity)	

Results

Here is our completed and prioritized SWOT for discussion and strategy planning.


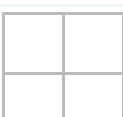
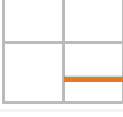
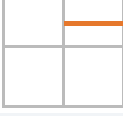
Ideas 79


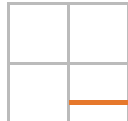
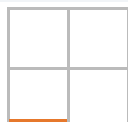


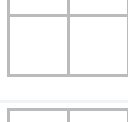
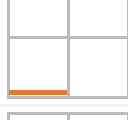

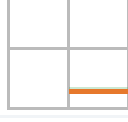
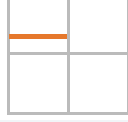
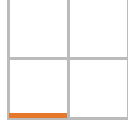
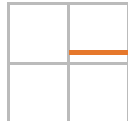
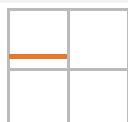

title	description	created by	created date	comments	# comments		list
Master courses		Barbara Karleuša	05/09/2019	<div><div>B</div>REMOVED</div>	1	<div><div></div><div></div><div></div><div></div></div>	Opportunities
Political will		Michael Tritthart	05/09/2019	<div><div>R</div>I do not believe there is political will</div>	1	<div><div></div><div></div><div></div><div></div></div>	Strengths
Human resources (professionals and academics)		Michael Tritthart	05/09/2019	<div><div>R</div>Do they exist in quantity?</div>	1	<div><div></div><div></div><div></div><div></div></div>	Strengths
Creativeness and resilience		Michael Tritthart	05/09/2019			<div><div></div><div></div><div></div><div></div></div>	Strengths
Immigration (threat or opportunity?)		Barbara Karleuša	05/09/2019			<div><div></div><div></div><div></div><div></div></div>	Opportunities
Use of nature-based solutions		Barbara Karleuša	05/09/2019			<div><div></div><div></div><div></div><div></div></div>	Opportunities
Keep traditional systems for collecting and using water (rain harvesting for water supply of households)		Barbara Karleuša	05/09/2019			<div><div></div><div></div><div></div><div></div></div>	Opportunities



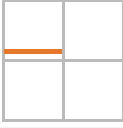
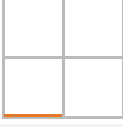
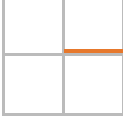
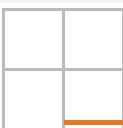

Increasing human capacities using projects, funds		Barbara Karleuša	05/09/2019				Opportunities
link between different planes (spatial planes, water management plans)		Barbara Karleuša	05/09/2019				Opportunities
Smart cities		Barbara Karleuša	05/09/2019				Opportunities
Green infrastructure		Barbara Karleuša	05/09/2019				Opportunities
Climate conditions (WB), availability of water resources		Barbara Karleuša	05/09/2019				Opportunities
Reconstruction of existing hydraulic structures		Barbara Karleuša	05/09/2019				Opportunities
Information systems & digitalization - abundance of data		Barbara Karleuša	05/09/2019				Opportunities
Citizen science		Barbara Karleuša	05/09/2019				Opportunities
Organize cycle education for experts		Barbara Karleuša	05/09/2019				Opportunities
Digitalization		Michael Tritthart	05/09/2019				Opportunities
Optimize and improve managing policies		Barbara Karleuša	05/09/2019				Opportunities
Provide information to public		Barbara Karleuša	05/09/2019				Opportunities
Strengthen collaboration between countries in region		Barbara Karleuša	05/09/2019				Opportunities
Introduce economic		Barbara Karleuša	05/09/2019				Opportunities

price of water (value)			9				tun s
Integrated management, interdisciplinary		Barbara Karleuša	05/09/2019				Opj tun s
Know-how practices		Barbara Karleuša	05/09/2019				Opj tun s
All identified weaknesses provide the opportunity to be turned into strengths		Michael Tritthart	05/09/2019				Opj tun s
Human potential in IT sector to develop smart systems		Michael Tritthart	05/09/2019				Stre ths
Use international knowledge networks		Barbara Karleuša	05/09/2019				Opj tun s
Innovative methods for payments of penalties		Pifilkov	05/09/2019				Opj tun s
Lack of water related laws implementation on all levels		Pifilkov	05/09/2019				We. ess
Possibilities to obtain European support and funding for implementation		Michael Tritthart	05/09/2019				Opj tun s
Not public access to hydrological/climate, etc. data		Pifilkov	05/09/2019				We. ess
LLL courses		Barbara Karleuša	05/09/2019				Opj tun s
Uncontrolled use of surface and ground water		Pifilkov	05/09/2019				We. ess
Good media coverage (related to different types of media)		Michael Tritthart	05/09/2019				Stre ths
laboratory and filed measurement equipment		Barbara Karleuša	05/09/2019				Opj tun s

No politics to save water and to prevent pollution		Pifilkov	05/09/2019				We. ess
Good geographical location, good climate, topography, high water resources potential		Michael Tritthart	05/09/2019				Streths
Lack of political willingness for implementation of WRM		Hskoulik	05/09/2019				Thrs
Lack of educated people in decision-making positions		Hskoulik	05/09/2019				Thrs
Water is not valued (not fair water prices)		Pifilkov	05/09/2019				We. ess
The penalties of polluters are not paid as nobody collects them		Pifilkov	05/09/2019				We. ess
Corruption		Hskoulik	05/09/2019				Thrs
Good education (particularly in water-related issues)		Michael Tritthart	05/09/2019				Streths
IT sector, artificial intelligence		Barbara Karleuša	05/09/2019				Opptunss
Not clear responsibility role among the authorities		Hskoulik	05/09/2019				Thrs
Lack of cooperation and communication between Ministries and authorities		Pifilkov	05/09/2019				We. ess
Increased touristic industry in coastal areas		Hskoulik	05/09/2019				Thrs
Use EU legislation directly (adopt)		Barbara Karleuša	05/09/2019				Thrs

Possibilities to learn from good examples and practices e.g. in EU countries		Michael Tritthart	05/09/2019				Stre ths
Old or lack of infrastructure (WWTPs, etc.)		Pifilkov	05/09/2019				We. ess
introduction of public-private partnerships		Barbara Karleuša	05/09/2019				Op tun s
Not holistic vision of WRM		Hskoulik	05/09/2019				Thr s
IT security threats (cybersecurity)		Hskoulik	05/09/2019				Thr s
Use the existing knowledge, start directly to use top technologies, modelling based on remote sensing provided by European Space Agency		Barbara Karleuša	05/09/2019				Op tun s
Lack of understanding (ignorance) of political class about Water Resource Management		Pifilkov	05/09/2019				We. ess
Uncontrolled use of fertilizers and pesticides (diffuse pollution)		Hskoulik	05/09/2019				Thr s
Decrease and aging of population		Hskoulik	05/09/2019				Thr s
Ecological hazard		Hskoulik	05/09/2019				Thr s
Corruption		Pifilkov	05/09/2019				We. ess
Awareness of the need to do something due to recent events		Michael Tritthart	05/09/2019				Stre ths
Define sanitary protection zones		Barbara Karleuša	05/09/2019				Op tun

							s
Lack of transboundary cooperation		Hskoulik	05/09/2019				Thrs
Raise awareness from primary user to global/higher level (Kosovo) - how to properly use the water? education of people	using media (on-line, tv,...)	Barbara Karleuša	05/09/2019				Opptuns
Lack of hydrological/climate, etc. data		Pifilkov	05/09/2019				We.ess
Possibilities to incorporate knowledge from Western Balkans knowledge, history and traditions		Michael Tritthart	05/09/2019				Streths
Efficiently and in time data preparation (information systems, platforms, ...)		Barbara Karleuša	05/09/2019				Opptuns
No public awareness and political will		Pifilkov	05/09/2019				We.ess
Lack of good public data - inaccuracy		Hskoulik	05/09/2019				Thrs
Possibilities to learn from mistakes already made somewhere else		Michael Tritthart	05/09/2019				Streths
Ready to apply for EU funds, with preparation of data and projects in time		Barbara Karleuša	05/09/2019				Opptuns
Not enough capacity		Pifilkov	05/09/2019				We.ess
Strategies are in place to move towards European policy framework		Michael Tritthart	05/09/2019				Streths
Lack of public awareness		Hskoulik	05/09/2019				Thrs
Lack of finances		Pifilkov	05/09/2019				We.

			9				ess
Weak economy		Hskoulik	05/09/2019				Thrs
Flexibility due to decentralization		Michael Tritthart	05/09/2019				Streths
Lessons learned - WB countries will not repeat the mistakes done in EU countries		Barbara Karleuša	05/09/2019				Optunss
No requirements for occupying a place in water administration or if there are, they are not met		Pifilkov	05/09/2019				We.ess
Unstable political situation		Hskoulik	05/09/2019				Thrs
Climate change (growing population in cities, increased heat waves during summer)		Hskoulik	05/09/2019				Thrs