Distr.: General 23 April 2012

English only

Economic Commission for Europe

Inland Transport Committee

Working Party on Transport Trends and Economics

Group of Experts on Climate Change impacts and adaptation for international transport networks

Third session

Geneva, 24 April 2012 Item 6 of the provisional agenda

Questionnaire for collection of information on existing and potential climate change impacts on transport, as well as degree of preparedness and relevant policies for adaptation



CLIMATE CHANGE IMPACTS AND ADAPTATION IN INTERNATIONAL TRANSPORT NETWORKS

Questionnaire

2012 UNECE Transport Division Experts Group

										Date		
Name							Position					
Address							Organiza	tion				
City		State		Zip Code			Phone Nu	umber				
Country							Email [
	I. Level of avon transport		ess, ava	ailabili	ty of i	nforma	ation ar	nd dat	a on c	climate o	change	
	. On a scale of blem for trans	-		-	-	nuch) to	o which e	extent	do you	consider	climate	change
	Not at all 1	2	3	4	5	6	7	8	9	Very	Much	
QUESTIO	N 2. Please spe	cify ove	er which	n time-s Please s	cale yo	u consid	der clima	ite cha	nge to	be a prob	olem.	
QUESTION 3. On a scale of 1-10 (1= no knowledge at all, 10= very good knowledge on all topics) how would you rate knowledge and level of awareness about the impacts of climate change on transport in your country region												
	knowledge at all	2	3	4	5	6	7	8	9	1 1 '	good vledge on pics	
QUESTION 4. In your view, who should be the main target audience when raising awareness about climate change impacts on transport (e.g. transport ministry, industry managers, operators, investors, etc.)												
Please exp	ain											

	climate facto	•	•		es, extr	eme ev	ents, dr	oughts,	floods	, sea le	evel ris	e and
storm surge	es, melting po	ermajro	st etc.)	•								
	Not at all 1	2	3	4	5	6	7	8	9	10	Very Much	า
Please add details												
actans												
OUESTION	<u>6</u> . As applica	hla nla	aso indi	icate w	hothor	the imn	acts rol	late to a	cnocif	ic mod	le or sn	ocific
	ansport, or a					-					-	ecijic
,	. ,			5		•			,	, ,		
Please explain	n											
QUESTION	7. Has your	country	undert	aken a	ny spec	ific asse	essment	t of the	vulnerd	bilitie	s of tro	insport
(segments,	modes, netv	vorks, c	peratio	ons, inf	rastruct	ture, etc	c.) to va	rious w	eather	and/o	r clima	ite change
-	ing tempera	tures, e	xtreme	events	, droug	hts, floc	ods, sea	level ris	se and	storm	surges	, melting
permafros	t etc.))?			VFS	\Box	NI	0 🗆					
				1 2	<i>,</i> ⊔	141						
Please explain	n											
OUESTION	O Harawayaya	ootw.		tod otu	dias aus		. tha ina	nlicatio	na of al	imanta	i 100 10 01 01	ta an
	<u>8</u> . Has your c r estimated t	-				_		-	-		•	
cransport o	· commuted t	<i></i> 0030.	o o grade	•				anspor	c, pc		j. u	istractare.
				YES	\	N	0 🗆					
	applicable, ple <u>tructure</u> have			-	-	ither or (climate	change i	mpacts	on trai	nsport	
<u>iiiji us</u>	tractare nave	been, ai	c being	Studieu	•							
	1.		Impa	acts of ri	sing tem	peratures	;	Yes		No		
	2.				ts of floo			Yes		No		
	3.			-	s of droug			Yes		No		
	4.		Impad	-		eme wind	ds	Yes		No		
	5.		•		of heat w			Yes		No		
	6.	ı		-		d storm si	urges	Yes		No		
	7.		Imp	act of m	elting pe	rmafrost		Yes		No		
	8.		Ot	her impa	ct (please	explain)						

QUESTION 5. As applicable, please indicate whether transport in your country has been impacted by any

	1.	Impacts of rising ter	nperatures	Yes		No		
	2. Impacts of floods					No		
	3.	Impacts of dro	Impacts of droughts					
	4.	Impacts of storms/ex	Yes		No			
	5.	Impacts of heat	waves	Yes		No		
	6.	Impact of sea level rise a	nd storm surges	Yes		No		
	7.	Impact of melting p		Yes		No		
	8.	Other impact (plea	se explain)					
	_	nere has been little or no study of hich, in your view, are the main r	_	npacts	on tra	nsport	in your	country,
	1.	Lack of f	inancing					
	2.	Lack of interest from the	responsible institut	ions				
	3.	Lack of awareness amo	ong the general pub	lic				
	4.	Lack of scientific expertis	se and human resou	rces				
	5.	Though interest in the topic existed precedure.		eds hav	e taker	, <u> </u>		
	6.	Other impact	(please explain)					
consider is a	involve	ma scale of 1 - 10 (1 = least importement of the following actors/encodimate change impacts on transfer climate change impacts on transfer climates and climates companies are companies. Technical Engineering Institutions are companies of the companies of t	1 2 3 4	5 6	7	8 9	10	mination
	connec	your view, what, if any, are the o tion with climate change? (Exam uction)		-	-	-	-	
Please explain								

 $b.\ As\ applicable,\ please\ indicate\ which\ specific\ weather\ or\ climate\ change\ impacts\ on\ transport$

operations/services have been/are being studied?

SUBJECT II. Level of preparedness and existing and planned transport adaptation policies, measures and initiatives.

QUESTION 12. Has your country of change impacts (not sector specific	-	or is planning to adopt a gei	neral adaptation strategy to climate
	1.	Not at all	П
	2.	Planned	
	3.	Already adopted	
	4.	Adopted and implemented	
	5.	Not applicable/Do not know	
Please explain			
QUESTION 13. Has a cost-beneficadaptation plans/strategy in you	_	_	d to any climate change
	1.	Not at all	
	2.	Planned	
	3.	Already conducted	n in
	4.	Not applicable/Do not know	
Please explain			
QUESTION 14. Has your country adapting to climate impacts?	adopte	d or is planning to adopt a tro	ansport specific strategy for
	1.	Not at all	
	2.	Planned	
	3.	Already adopted	
	4.	Adopted and implemented	
	5.	Not applicable/Do not know	
Please explain			

QUESTION 15. If yes, pleas adaptation strategy.	se provide further o	letails about the o	bjectives and mod	dalities of such
Please explain				
QUESTION 16. On a scale o would rate the results/effe				-
	Strategy (<i>ple</i>	ase indicate)	1 2 3 4	
QUESTION 17. How is (or monitored/ evaluated?	will) the effectiven	ess of adaptation	measures taken cı	urrently or in future be
Please explain				
QUESTION 18. What concibuilding resilience of transorganization is responsible	sport networks to c		-	
Please explain				
QUESTION 19. Please explinivestment, design, consti	= =			to transport planning,
	1 (Not at all related)	2 (To some extent)	3 (To a great extent)	4 (Not applicable / do not Know)
Planning				
Investment				
Design Construction				
Operation				
Management				
Maintenance				
All of the above				
None of the above				

Other, please explain				
		-	-	g undertaken/planned, do relevant ncreased rainfall, rising sea levels,
•		1.	Not at all	
		2.	To some extend	
		3.	To a great extend	
	ı	4.	Not applicable/Do not know	
Please explain				
	=			n/company] what are, in your view, h respect to adaptation action in
Please explain				
			ization/company] developed iness sectors, the transport se	or is planning to develop ector or transport sub-sectors?
		1.	Not at all	
		2.	Planned	
		3.	Already adopted	iπ
		4.	Adopted and implemented	
		5.	Not applicable/Do not know	
Please explain				
-	Has the insurance			climate change considerations into
		1.	Not at all	
		2.	To some extend	
		3.	To a great extend	ī
		4.	Not applicable/Do not know	

Please explain						
SUBJECT III. I financing.	nformation data	a and re	esearch needs and other	requir	ements, including	
valuable for a	chieving effective	prepare	he type of information, data dness to climate change imp Itiple answers possible)	-		ost
			Temperature-related			
	Precipitati		I (e.g. rain, snow, fog, humidity, floo	ods, etc.)		
			nd strong wind and storms			
		Coastal	storms/surges and sea level rise			
			Other			
Diago ovalaja						
Please explain						
		_	information sources that are oping adaptation measures in			es of
Please explain						
	. How do you rate e 1 is poor and 5 is	s excelle		ormatio	n in your country on a so	cale
		1.	Poor			
		2.	Bad			
		3. 4.	Good Very Good			
		5.	Excellent			
		6.	Not applicable/Do not know			
	•	the suit	ability/ relevance/quality of Poor and 5 is excellent):	□ relevan	nt data/ information in y	our
		1.	Poor			
		2.	Bad			
		3.	Good			
		4.	Very Good			
		5.	Excellent			
		6.	Not applicable/Do not know			

•	of weather-related od plain inundatior		transport inj	frastructure (e.g. forecasting storm surge impacts
	YES		NO 🗆	I do not know □
(Tier 1, 2 or 3 activity data availate	according to the	Intergove technology	ernmental P -specific emission	tools, indicating for each the level of aggregation anel on Climate Change - IPCC tier 1, simplest method, in factor; tier 3, more detailed or country-specific methods. For more ce_guidance.ppt)
Please explain				
	Please identify an tion in transport (in	-		al funding mechanisms that could support further acts)?
Please explain				
				ority areas that require further attention to enable are tailored for your local conditions?
Please explain				
SUBJECT IV. C	ollaboration me	chanism	ns at nation	nal / local, regional and international levels.
in addressing t Please also sta	the issue of climate tte briefly your reas	change of the	adaptation f type of coop	n(s) for cooperation do you consider most useful for transport? peration/partners involved and the mode or type you are referring to?
Please explain				

QUESTION 28. To your knowledge, are there any operational models/software tools that are used for

sufficient?			
	1.	Not at all	
	2.	Somewhat	
	3.	Adequate / Sufficient	
	4.	Very Good	
As appropriate, please in cooperation:	ndicate ai	ny specific suggestions for im	provements/enhanced
Please explain			
QUESTION 34. Are regional or so part of existing practice and polytransport in particular and in which is particular and in which	licy in yo	ur country? If so, how muc	nation exchange on climate change h of this cooperation addresses
Please explain			
QUESTION 35. Do you consider level adequate/sufficient?	the relev	vant current level of cooper	ation at the regional/sub-regional
	1.	Not at all	
	2.	Somewhat	
	3.	Adequate / Sufficient	
	4.	Very Good	
As appropriate, please ind	licate any	specific suggestions for impr	ovements/enhanced cooperation
Please explain			

QUESTION 33. Do you consider the current level of cooperation at the national or local level adequate/

QUESTION 36. Do you think that possibility of amendments to existing UNECE infrastructure agreements (European Agreement on Main International Traffic Arteries (AGR), European Agreement on Main International Railway Lines (AGC), European Agreement on Main Inland Waterways of International Importance (AGN), European Agreement on Important International Combined Transport Lines and Related Installations (AGTC)) merits serious consideration with a view to promoting/facilitating climate change adaptation of transport networks?

Please explain				
QUESTION 37. sufficient?	Do you consider the c	urrent level of coop	peration at the in	nternational level adequate/
	<u>:</u>	. Not	at all	
	2	2. Some	ewhat	
	3	3. Adequate	/ Sufficient	
	4	ı. Very	Good	
As app	ropriate, please indicat	e any specific sugges	tions for improver	ments/enhanced cooperation
Please explain				
	. In your view, which t mate change impacts		=	ation would be of value in
Please explain				
	QUESTION 39. Pleas	e provide any addi	tional comments	s/suggestions
	<u>Send</u> (us your reply ea	sily and quic	kly!

press the "print form" button, print your answers and send them by fax to +41 22 917 00 39 (secretariat's fax).

or press the "submit by email" button and your answers are sent automatically to the email of the secretariat.

Print Form

Submit by Email



UNECE Transport Division
Transport Facilitation and Economics Section
Tel: +41 22 917 24 01
Fax: +41 22 917 00 39