

Annex 2-1. Lists of institutions and experts related to the marine pollution preparedness and response in the NOWPAP region submitted by People's Republic of China (Updated in April 2013).

Type	Organization	Main Business	Address, Tel, Fax, Website	Experts		
				Name	Field (or Major)	E-mail
Research	National Marine Environmental Monitoring Center	Research Institute	No.42 Linghe Street, Dalian , Liaoning Province, China Tel: 86-411-84782583 http://www.nmemc.gov.cn	Mr. Zhang Chunzhi	Oil Spill Modeling	czizhang@hotmail.com
	Ocean University of China	University	No.238 Songling Road, Qingdao , Shandong Province, China Tel: 86-532-82032560 http://www.ouc.edu.cn	Mr. Lou Angang	Oil Spill Modeling	aglou@ouc.edu.cn
	Yellow Sea Fisheries Research Institute, China Academy of Fishery Science	Research Institute	No.106 Nanjing Road, Qingdao, Shandong Province, China Tel: 86-532- 85822957 Mobile: 13687681699 http://www.ysfri.ac.cn	Mr. Ma Shaosai	Marine Environment Monitoring and Pollution Damage Evaluation	mass@ysfri.ac.cn
	Environmental Academy of Dalian Maritime University	University	No.1 Linghai Road, Dalian, Liaoning Province, China Tel: 86-411-81135269 Mobile: 13624097003 http://www.dlmu.edu.cn	Ms. Zhang Shuhui	Research on Oil spill Pollution	
	Shandong Maritime Safety Administration	Administration	No. 21 Wuxia Road, Qingdao, Shandong Province, China Tel: 86-532-86671126 Fax: 86-532-86671125 http://www.sdmsa.gov.cn	Dr. Zhang Xiangshang	Marine Chemistry	zhangxs@sdmsa.gov.cn

	Yantai Oil Spill Response Technical Center of China MSA	Oil Spill Response, Training and Consultancy	No. 8 Huanhai Road, Yantai, Shandong Province, China Tel: 86-535-6683654 Fax: 86-535-6687302	Mr. Qin Zhijiang	Oil Spill Monitoring and Identification	msalab@ytmsa.gov.cn
Response	Shandong Maritime Safety Administration	Administration	No. 21 Wuxia Road, Qingdao, Shandong Province, China Tel: 86-532-86671160 Fax: 86-532-86671125	Mr. Zhao Ruxiang	Commanding of Oil Spill Response	rxhapzhao@hotmail.com
	Shandong Maritime Safety Administration	Administration	No.21 Wuxia Road, Qingdao, Shandong Province, China Tel: 86-532-86671129 Fax: 86-532-86671125	Mr. Li Jijun	Commanding of Oil Spill Response	wfc@sdmsa.gov.cn
	Yantai Oil Spill Response Technical Center of China MSA	Oil Spill Response, Training and Consultancy	No.8 Huanhai Road, Yantai , Shandong Province, China Tel: 86-535-6683685 Fax: 86-535-6687302	Mr. Zhang Chunchang	Oil Spill Response, Pollution Damage Compensation	zcczn@hotmail.com
	Yantai Maritime Safety Administration	Administration	No.8 Huanhai Road, Yantai, Shandong Province, China Tel: 86-535-6683637 Fax: 86-535-6683632	Mr. Cong Xudong	Oil Spill Response	congxudong@hotmail.com
	Rizhao Maritime Safety Administration	Administration	Bejing Road, Rizhao, Shandong Province, China Tel: 86-633-8385409	Mr. Cui Haomin	Oil Spill Response	cuihaomin@rzmsa.gov.cn

	Qingdao Maritime Safety Administration	Administration	No.6 Gangqing Road, Qingdao, Shandong Province, China Tel: 86-532-86671299 Fax: 86-532-86671212	Mr. Lv Anqin	Shoreline Clean-up	qdmsa@163.com
	Shandong Shengli Oil Field	Oil Company	Jannan Road, Dongying, Shandong Province, China Tel: 86-546-8551583 Mobile: 13705465518	Mr. Yang Hongxu	Oil Spill Response	yhxu@slof.com
	Fire Fighting Branch of Qingdao Port Co. Ltd.	Fire Fighting Department	No.6 Gangqing Road, Qingdao, Shandong Province, China Tel: 86-532-82988339 Mobile: 13625425896	Mr. Ren Dunzhen	Fire Fighting	
	Qingdao Guangming Oil Spill Response Center	Oil Spill Response Company	No.10 Jia Shantou Road, Qingdao, Shandong Province, China Tel: 86-532-85896353 Fax: 86-532-85896354	Mr. Xu Shuduo	Oil Spill Containment and Recovery	gmi@public.qd.sd.cn
Training	Yantai Oil Spill Response Technical Center of China MSA	Oil Spill Response, Training and Consultancy	No. 8 Huanhai Road, Yantai , Shandong Province, China Tel: 86-535-6683070 Fax: 86-535-6683070	Mr. Song Shoukui	Research and Training on Oil spill Response Technique	sksong788@163.com
HNS	State Administration of Work Safety Chemical Registration Center	Chemical Registration	No 218, Yan'an 3rd Road, Qingdao, Shandong Province, China Tel: 86-532-83786202	Mr. Zhang Haifeng	Chemical Accident Response and Consultancy	hfzhang@nrcc.com.cn

Annex 2-2. Lists of institutions and experts related to the marine pollution preparedness and response in the NOWPAP region submitted by Japan (Updated in April 2011).

Type	Div. / Organization	Main Business	Address, Tel, Fax, Website	Experts		
				Name	Field (or Major)	E-mail
Research	Hydrographic and Oceanographic Dept. / JCG	Marine Surveys and Provision of Marine Data	2-5-18 Aomi, Koto-ku, Tokyo 135-0064, Japan Tel:+81-3-5500-7128 Fax:+81-3-5500-7154 http://www1.kaiho.mlit.go.jp/jhd-E.html	Mr. Akihiro MASUYAMA	Oil Spill Prediction Model	masuyama-s9c5d@kaiho.mlit.go.jp
			Tel:+81-3-5500-7132 Fax:+81-3-5500-7156	Mr. Osamu ISHIKAWA	Sensitivity Mapping	ishikawa-c7wzh@kaiho.mlit.go.jp
	National Strike Team / JCG	Research and Study on maritime accidents and combating method	1-2-1 Shinko, Naka-ku, Yokohama-shi Kanagawa 231-0001, Japan Tel:+81-45-226-0118 Fax:+81-45-226-0119	Mr. Hideyuki NAKAJIMA	Combating Oil/Noxious liquid substance	yokohamakidou-h79f@kaiho.mlit.go.jp
	Research & Study Office / MDPC	Research and Study on maritime disaster prevention	3-3-1, Minatomirai, Nishi-ku Yokohama-shi, Kanagawa 220-8401 Japan Tel:+81-45-224-4321 Fax:+81-45-224-4312 http://www.mdpc.or.jp/ Tel:+81-45-224-4322 Fax:+81-45-224-4312	Mr. Hiroyuki KIMOTO	Oil and Chemical spill response method	kimoto@mdpc.or.jp

Response	National Strike Team / JCG	Response to marine accidents including combating spilled oil, noxious substances, fire at sea	1-2-1 Shinko, Naka-ku, Yokohama-shi Kanagawa 231-0001, Japan Tel:+81-45-226-0118 Fax:+81-45-226-0119	Mr.Hitoshi NAKASATO	Oil spill response	yokohamakidou-h79f@kaiho.mlit.go.jp
	Disaster Prevention Dept. / MDPC	Marine disaster prevention	3-3-1, Minatomirai, Nishi-ku Yokohama-shi, Kanagawa 220-8401 Japan Tel:+81-45-224-4315 Fax:+81-45-224-4312 http://www.mdpc.or.jp/	Mr. Takahiro HAGIHARA	Fire-fighting, Oil and Chemical spill response	hagihara@mdpc.or.jp
Training	Disaster Prevention Training Dept. / MDPC	Training and Exercise for maritime disaster prevention	3-3-1, Minatomirai, Nishi-ku Yokohama-shi, Kanagawa 220-8401 Japan Tel:+81-45-224-4321 Fax:+81-45-224-4312 http://www.mdpc.or.jp/	Mr. Koji IKEDA	Fire-fighting exercise, Oil and Chemical spill response exercise	k-ikeda@mdpc.or.jp
Consultant	National Strike Team / JCG	Response to marine accidents including combating spilled oil, noxious substances, fire at sea	1-2-1 Shinko, Naka-ku, Yokohama-shi Kanagawa 231-0001, Japan Tel:+81-45-226-1118 Fax:+81-45-226-1119	Mr.Hitoshi NAKASATO	Oil spill response	yokohamakidou-h79f@kaiho.mlit.go.jp

Annex 2-3. Lists of institutions and experts related to the marine pollution preparedness and response in the NOWPAP region submitted by the Republic of Korea (Updated in May 2013)

1. Special organization

Type	Organization /Div	Main Business	Address, Tel, Fax, Website	HQ & branch
Response	KOEM (Korea Marine Environment Management corporation)	Oil spill Response	Haegong Bldg, 71 Samsung-dong, Kangnam-gu, Seoul, Korea Tel : +82-2-3498-8582 Fax : +82-2-3498-8687 www.koem.or.kr	- HQ : Seoul - Branches(12) : Incheon, Busan, Ulsan, Yeosu, Daesan, Masan, Donghae, Gunsan, Pohang, Pyeongtaek,, Mokpo, Jeju
Training	Marine Environment Research & Training Institute	Oil spill response training	1125, Dongsam-dong, Youngdo-gu, Pusan, 606-080, Seoul Korea Tel : +82-51-400-7700 Fax : +82-51-400-7777 www.merti.or.kr	-

2. Experts

Type	Organization /Div	Main Business	Address, Tel, Fax, Website	Experts		
				Name	Field(major)	E-mail
Research	MOERI(Maritime and Ocean Engineering Research Institute)	Marine pollution response	P.O Box 23, Jangdong Yuseong Daejeon, 305-343 Korea Tel :+82-42-868-7300 Fax:+82-42-868-7738 www.moeri.re.kr	Moon-Jin Lee	Prediction and prevention of Marine pollution	mjlee@moeri.re.kr
	KORDI (Korea Ocean Research & development Institute)		Sa 2 dong 1270, Sangrokgu, Ansan, Kyunggido, 426-744, Korea Tel : +82-31-400-7678 Fax : +82-31-406-7606 www.kordi.re.kr	Chan-Su Yang	Physical oceanography	yangcs@kordi.re.kr
University	Mokpo National Maritime University		571-2 Chukkyo-dong, Mokpo, Jeonnam 530-729, Korea Tel : +82-61-240-7165 Fax : +82-61-240-7151 www.mmu.ac.kr	Gwang-soo Kim	Marine Environment	kgs@mmu.ac.kr
University	Korea Maritime University		1 Donsan-dong, Youngdo-gu, Busan 606-791, Korea Tel : +82-51-410-4279 Fax : +82-51-404-3985 www.hhu.ac.kr	Jong-Hwui Yoon	Maritime Police Science	jhyun@mail.hhu.ac.kr

Research	National Institute of Meteorological Research	Marine pollution response	45 Gysangchung-gil, Donjackgu, Seoul, 156-720, Korea Tel : +82-2-2181-0742 Fax : +82-2-2181-0739 www.hhu.ac.kr	JangWon Seo	Meteorology	jwseo@kma.go.kr
Research	KIOST (Korea Institute of Ocean Science and Technology)	Measure of Response	391,Jangmokri Jangmokmeon Geojesi Gyeongnamdo, 656-830 Korea Tel : +82-55-639-8671 Fax : +82-55-639-8689 www.kordi.re.kr	WonJoon Shim	Marine biology (Environment Assessment)	wjshim@kordi.re.kr
			Sa 2 dong 1270, Sangrokgu, Ansan, Kyunggido, 426-744, Korea Tel : +82-31-400-6240 Fax : +82-31-406-2495 www.kordi.re.kr	Sangjin Kim	Marine biology	s-jkim@kordi.re.kr
	KIMFT (Korea institute of Maritime and fisheries technology)		123 Yongdang-dong, Nam-gu,Busan, Korea Tel : +82-51-620-5823 www.seaman.or.kr	Donggun Kim	Environmental Engineering	dgkim@seaman.or.kr

Type	Organization /Div	Main Business	Address, Tel, Fax, Website	Experts		
				Name	Field(major)	E-mail
University	Bu-kyong National University	Measure of Response	599-1, Daeyeon 3-Dong, Nam-Gu. Busan, 608-737, Korea Tel: +82-51-629-6541 Fax: +82-51-629-6538 www.pknu.ac.kr	SukMo Lee	Ecological Engineering	leesm@pknu.ac.kr
University	Seoul National University	Ocean Pollutants	San 56-1, Sillim-dong, gwanak-gu, Seoul 151-742, Korea Tel : +82-2-880-6753 Fax : +82-2-872-0311 www.snu.ac.kr	Chang-Bok Lee	Marine Geology	cblee@snu.ac.kr
Research & Training	KIMFT (Korea institute of Maritime and fisheries technology)		184, 3th, Heysoung Bild., Jung-gu, Incheon, 400-180 Korea Tel : +82-32-765-2335 Fax : +82-32-765-4565 www.seaman.or.kr	Sung-Jung Ko	Environmental Engineering	sjko@seaman.or.kr
Research	MPTRI (Meter and Petrochemical Testing and Research Institute)		587-10, SinsaDong KangnamGu, Seoul, 135-892, Korea Tel : +82-2-2056-4730 Fax : +82-2-543-3934 www.mpi.or.kr	Jung-Chan Kim	Chemical Engineering	petervil@hanmail.net

Type	Organization /Div	Main Business	Address, Tel, Fax, Website	Experts		
				Name	Field(major)	E-mail
University	Chon-nam University	Ocean Pollutants	77 Yongbongro, Bukgu, Gwangju 500-757, Korea Tel : +82-61-659-3146 Fax : +82-61-659-3149 www.jnu.ac.kr	Hyun-Seo Cho	Marine Environments	hscho@chonnam.ac.kr
Research & Training	KIMFT (Korea institute of Maritime and fisheries technology)	Salvage	123 Yongdang-dong, Nam-gu, Busan, Korea Tel : +82-51-620-5823 www.seaman.or.kr	Ki-Seng Kwon	Marine Environmental Engineering	kstec@seaman.or.kr
Research	KORDI (Korea Ocean Research & development Institute)		P.O Box 23, 171 Yuseong Daejeon, 305-343 Korea Tel :+82-42-868-7218 Fax:+82-42-868-7738 www.moeri.re.kr	Hyuek-Jin Choi	Marine Engineering	hjchoi@moeri.re.kr
Response	Korean Register Shipping		60 Singseongno, 23-7 JangDong, YuseongGu Daejeon 350-343 Korea Tel :+82-42-869-9041 www.krs.co.kr	Sung-chul Kim	Main engine	sckim@krs.co.kr

Type	Organization /Div	Main Business	Address, Tel, Fax, Website	Experts		
				Name	Field(major)	E-mail
Research	KMI (Korea Maritime Institute)	Insurance & Law	1652, Sangam dong, Mapo-gu, Seoul, 121-270, Korea Tel: +82-2-2105-2769 Fax: +82-2-2105-2779 www.kmi.re.kr	Jin-Yong Mok	Maritime Law	jymok@kmi.re.kr
University	Korea Maritime University		1 Donsan-dong, Youngdo-gu, Busan 606-791, Korea Tel : +82-51-410-4391 Fax : +82-51-404-3987 www.hhu.ac.kr	Yeong-Seok Jung	Maritime law	chys1962@hanmail.net
Research	KEI (Korea Environment Institute)		290 Jinheung-no, Eunpyeong-gu, Seoul, Korea Tel : +82-2-380-7777 Fax : +82-2-380-7799	Sang-un Han	Law	swhan@kei.re.kr
Marine Survey	Taepyeongyang (Inc)		36, Jungangdong 4 ga, JungGu, Busan, 600-815 Tel : +82-51-469-0330 Fax : +82-51-469-0328	Gab-Hyun Lee	Fishery Science	khlee277@naver.com

Type	Organization /Div	Main Business	Address, Tel, Fax, Website	Experts		
				Name	Field(major)	E-mail
Research	National Environment Research Institute	HNS	194 Nangi-ro, Seo-gu, Incheon, 404-708, Korea Tel : +82-32-560-7230 Fax : +82-32-568-2046 www.nier.go.kr	Mansik Whang	Public health	summus99@korea.kr
University	Inje University		607, Uobang-dong, kimhae, Gyongnam, 621-749, Korea Tel : +82-55-320-3309 Fax : +82-55-325-2471 www.inje.ac.kr	Sang-tae Jung	Chemical Science	hsstc@inje.ac.kr
Research	Korea Ship Safety Technology Authority		1-17, 7-ga, Hang--dong, choongu, Incheon,400-800 , Korea Tel : +82-32-764-6181 Fax : +82-32-764-6184 www.kst.or.kr	Jong- Hae Choi	Marine Navigation	choijonghae@korea.com
Research	Korea Maritime Dangerous goods inspection center		Annex304, Oongjin bldg, inyi-dong, chongro-gu, Seoul, Korea Tel : +82-2-766-1731 Fax : +82-2-743-7017 www.komdic.or.kr	Jeong- Yun Choi	Oceanography	jychoi@komdic.or.kr

Response	National Emergency Management Agency		Central Government complex, 55 Sejong-ro, Jongro-gu, Seoul 110-760 Korea Tel : +82-2-2100-2114 Fax : +82-2-2100-5599 www.nema.go.kr	Woongjae Whang	Disaster Response Engineering	Summus99@korea. kr
Research	KIMFT (Korea institute of Maritime and fisheries technology)		123 Yongdang-dong, Nam-gu, Busan, Korea Tel : +82-51-620-5402 www.seaman.or.kr	Sang-yeup Jeon	Marine Navigation	syjun@seaman.or.k r

Annex 2-4. Lists of institutions and experts related to the marine pollution preparedness and response in the NOWPAP region submitted by the Russian Federation (Updated on 20 May 2013)

Type	Organization/Div.	Main Business	Address, Tel, Fax, Website	Experts		
				Name	Field (or Major)	E-mail
Research	Maritime State University,	Higher education. Research	Vladivostok, Russia Tel: 7 4232 515270 Fax: 7 4232 517639 http://www.msun.ru/en/	Sergey Moninets,	Information System Oil Spill Prediction Model associated with Sensitivity Mapping	moninets@msun.ru
	Central Marine Research and Design Institute Ltd (CNIIMF)	Research, Consultant	6, Ul.Kavalergardskaya, St-Petersburg, 191015, Russia Tel: +7 812 271 10 15 Fax: +7 812 274 38 67	Gennady Semanov	Oil spill risk assessment, sensitivity mapping, fate of spilled oil, oil spill behavior modeling, legislation, contingency planning, oil spill response technique, dispersants, sorbents, in situ burning	semanov@cniimf.ru
Response	Sakhalin Salvage Department	Oil Spill Preparedness and Response	16, Ul. Portovaya, Korsakov, Sakhalinskaya oblast, 694020, Russia Tel: +7 42435 2 23 22 Fax: + 7 42435 4 04 07	Victor Shamin	Oil spill response, Oil spill response technique	Sakhalin@sakhbasu.ru

Type	Organization/Div.	Main Business	Address, Tel, Fax, Website	Experts		
				Name	Field (or Major)	E-mail
Response	Far-East Salvage Department	Oil Spill Preparedness and Response	Berth 44, Vladivostok, 690035, Russia Tel: +7 4232 278 915/278 8914 Fax: + 7 4232 271 951	Yuriy Leliaev	Oil spill response, Oil spill response technique	ylelyayev@mail.ru
Training	Maritime State University	Higher education. Research	Vladivostok, Russia Tel: 7 4232 515270 Fax: 7 4232 517639 http://www.msun.ru/en/	Sergey Moninets	Oil spill prediction model associated with sensitivity mapping	moninets@msun.ru
	Central Marine Research and Design Institute Ltd (CNIIMF)	Research	6, Ul. Kavalergardskaya, St-Petersburg, 191015, Russia Tel: +7 812 271 10 15 Fax: +7 812 274 38 67	Gennadiy Semanov	Oil spill risk assessment, sensitivity mapping, oil spill behavior modeling, legislation, contingency planning, oil spill response technique, dispersants, sorbents, in situ burning	semanov@cniimf.ru
	State Marine Pollution Control, Salvage&Rescue Administration	State Marine authority	3/6, Ul. Petrovka, Moscow, 125993, Russia Tel: + 7 495 626 18 08 Fax: +7 495 626 19 09	Andrey Khaustov, Nikolay Tapantin, Evgeny Travin	Contingency planning, national legislation, oil spill response technique, salvage, oil spill response	khaustovav@smpcsar.ru tarantina@smpcsar.ru travinei@smpcsar.ru
				Natalia Kutaeva	Contingency planning national legislation, international maritime law in the field of prevention pollution from ships, marine pollution prevention	KutaevaNG@smpcsar.ru

Type	Organization/Div.	Main Business	Address, Tel, Fax, Website	Experts		
				Name	Field (or Major)	E-mail
Training	Makarov Training Center, Admiral Makarov Maritime State Academy, St. Petersburg	Higher education. Research Training	5, Zanevsky, saint-Petersburg, P.O.Box 22, 195112, Russia Tel: +7 812 444 00 04 Fax: +7 812 444 59 34 http://www.makarov.spb.ru/eng/index.html	Sergey Aysenov	Oil spill prediction model associated with sensitivity mapping, safety navigation, traffic control, safe management and pollution prevention	SAysenov@mtc.spb.su
	Southern Marine Research and Design Institute Ltd (SNIIMF)	Higher education. Research Training	18 Ul.Tverskay, Novorossiysk, Russia Tel/Fax: +7 8617 69 22 75	Sergey Matzenko	Training of OSR responder, Emergency planning	msv429@gmail.com
Consultant	Central Marine Research and Design Institute Ltd (CNIIMF)	Research, Consultant	6, Ul.Kavalegardskaya, St-Petersburg, 193015, Russia Tel: +7 812 271 10 15 Fax: +7 812 274 38 67	Gennadiy Semanov	Oil spill risk assessment, sensitivity mapping, oil spill behavior modeling, legislation, contingency planning, oil spill response technique, dispersants, sorbents, in situ burning	semanov@cniimf.ru
	State Marine Pollution Control, Salvage&Rescue Administration	State Marine authority	3/6, Ul.Petrovka, Moscow, 125993, Russia Tel: + 7 495 626 18 08 Fax: +7 495 626 19 09	Andrey Khaustov, Nikolay Tapantin, Evgeny Travin	Contingency planning, national legislation, oil spill response strategy, salvage, oil response technique	khaustovav@sm pcsa.ru travine i@sm pcsa.ru
				Natalia Kutaeva	Contingency planning National and International law in the field of prevention pollution from ships Marine Pollution prevention	KutaevaNG@sm pcsa.ru