





World Class Research Capacity Plan WORC

Databáze výzkumných institucí

Jaroslav Vašátko

Mstetice, 19.01.2017

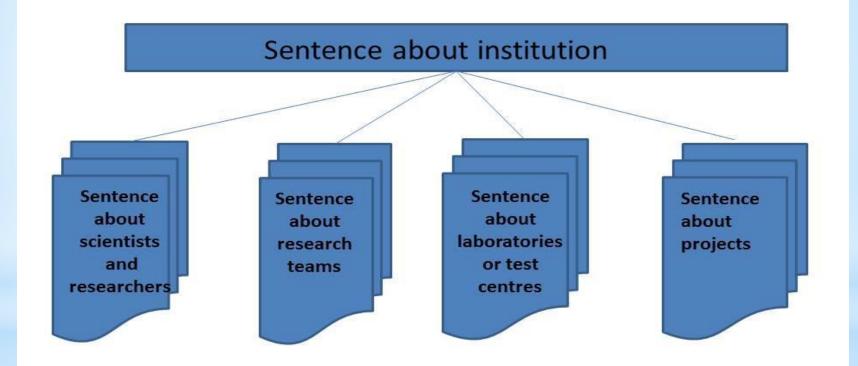




Základní informace

- IRRB International Railway Research Board Mezinárodní výbor UIC pro železniční výzkum ČR má svého vicepresidenta -TP na úkolech IRRB úzce spolupracuje.
- Jedním z cílů strategie IRRB je sjednocení světových výzkumných kapacit pro řešení globálních problémů na železnici - úkol českého vicepresidenta IRRB.
- Nástrojem pro tuto myšlenku je vytvořená databáze WORC.
- WORC umožní získat přehled o globálních výzkumných kapacitách se zaměřením na železnici a jejich profesní orientaci.
- WORC dále poskytuje přehled o klíčových osobnostech železničního výzkumu, přehled o laboratořích a testovacích centrech a přehled o výzkumných projektech.
- Databáze by měla podporovat spolupráci výzkumných světových kapacit.
- Databáze je dostupná na webové adrese <u>www.rworc.org/WORC4_test1</u> nebo na portálu UIC <u>www.railway-research.org</u>.

WORC database structure



Úvodní obrazovky



WORC (test 2.1)

Home

Input operations

Output operations

Home



Welcome

WORC is a database of the world's major research institutions providing information about their professional focus and about their most important results in the field of railway research. Part of the WORC database is also information about professionally oriented capacities of this institution (individuals or whole teams) and their laboratories and testing centres with the definition of their parameters, it means with description of the technical facilities, performed tests and provided certification.

The database provides not only an overview of the world's top research institutions, but also other information from the field of railway research with links to the world's major sources of information. At the same time the WORC is a marketing tool for the implementation of services capacity and research institutions in the market of railway research and testing.











































User login
Username *

Password *

Create new account
Request new password

Log in

Úvodní obrazovky



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Input operations

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Institution (I)

WORC Institution - Data input, edit, delete:

(To create, edit or delete data in WORC database, you have to start with Institution)

Acronym:	Institution (english name):	Edit:	Delete:
KRRI	Korea Railroad Research Institute	Edit	Delete
NewRail	NewRail Centre for Railway Research	Edit	Delete
TCDD DATEM	TCDD DATEM	Edit	Delete
VNIIZhT	Railway Research Insitute	Edit	Delete
VUZ	Railway Research Institute	Edit	Delete

Number of Institutions for selection in WORC Database: 5

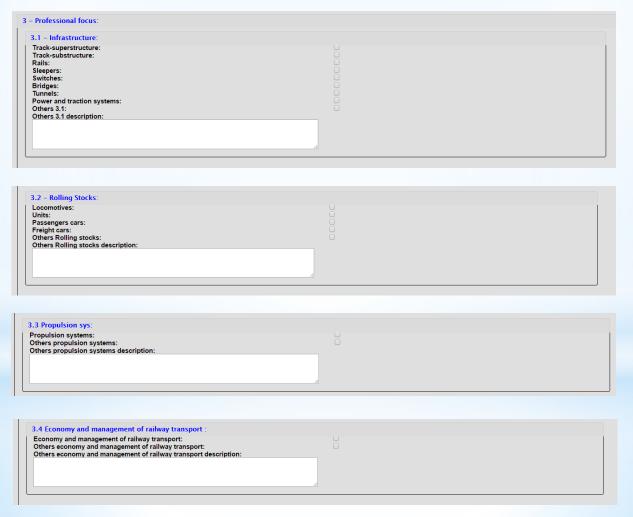
New Institution Data - Insert new Institution Acronym:



Identification data about institution

contact: Surname: Sirstname: Secondame: Schore: Surname: Schore: Surname: S	stitution:	
dress: dress: drest: druce: douse: douse: douse: douted: d	lame:	
Acronym: Legal form: dress: Street: Jountry: Jountry:		
dress: dress: drest: drest: drost code: drost code: drost code: drost code: drost code: drost code: drost code: drost	lame (english):	
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ontact: stranme: secondname: shone:		
ost code:	treet:	
Post code: Sity: Sountry: Sountact: Surname: Firstname: Secondname: Phone:		
ontact: Surname: Gristname: Grist		
ontact: surname: secondname: shone:	ost code:	
iontact: Surname: Firstname: Secondname:	ity:	
iontact: Surname: Firstname: Secondname:	country:	
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Surname: Firstname: Secondname: Phone:		
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secondname:		
Phone:		
Phone:	Surname:	
	eurname: Firstname:	
-Mail:	surname: firstname: secondname:	
	iurname: iirstname: secondname: thone:	

Professional focus of institution



Other information about institution



	al and productivity:		
Scientific potential an Number of registered examples):	d productivity: patents of railway research for the last 3 y	ears (max. 3	
1.example (PAT):			
2.example (PAT):			
3.example (PAT):		.,	
Number of registered examples):	licences of railway research for the last 3	years (max. 3	
1.example (LIC):			
2.example (LIC):			
3.example (LIC):			
3.example (LIC):			



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General Outputs

Global Overview Tables

- · Institutions Outputs
- · Teams Outputs
- · Researchers Outputs
- · Laboratories Outputs
- · Projects Outputs

WORC Selective Outputs

· Selective Outputs



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Institution Outputs

Identification (I)

- Institution List
- Instrumon Contact List

Type of Activity (I)

· Institutions Activity Overview



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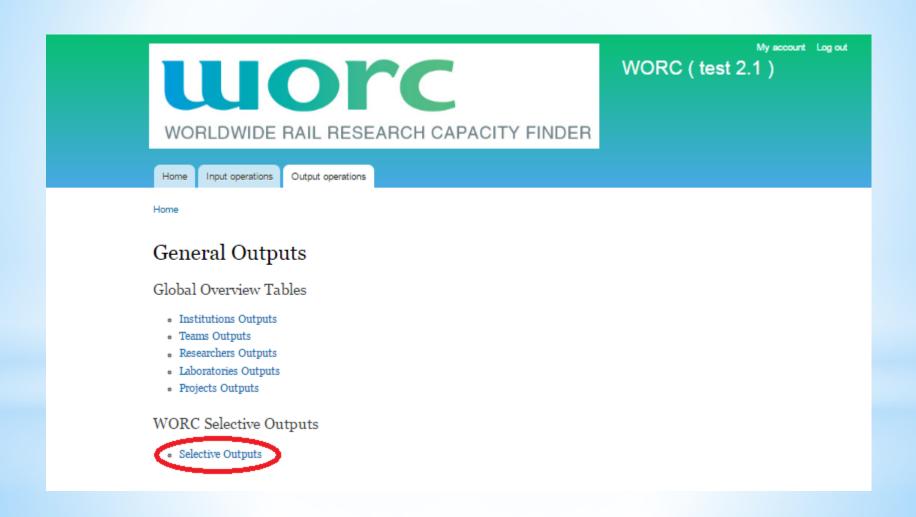
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Institution List

WORC Institution List:

Acronym:	Institution (english):	Institution (national):	Country:	Website:
KRRI	Korea Railroad Research Institute	Korea Railroad Research Institute	South Korea	www.krri.re.kr
NewRail	NewRail Centre for Railway Research	NewRail Centre for Railway Research	Great Britain	www.newrail.org
TCDD DATEM	TCDD DATEM	TCDD DATEM	Turkey	www.tcdd.gov.tr
VNIIZhT	Railway Research Insitute	Všeruskij Narodnyj Issledovatelnyj Institut Železnodorožnovo Transporta	Russia	www.vniizht.ru
VUZ	Railway Research Institute	Výzkumný Ústav Železniční	Czech Republic	www.cdvuz.cz

Number of Institutions for selection in WORC Database: 5





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- Laboratories Outputs
- Projects Outputs

WORC Selective Outputs

Selective Outputs Types

- Institution Card
- Team Card
- Researcher Card
- · Laboratory Card
- Project Card
- · Choice of Institutions by professional focus (Rolling Stock)
- · Choice of Teams by professional focus (Rolling Stock)
- · Choice of Teams by professional focus (Rolling Stock Parts, Systems, Components)
- · Choice of Scientists and Researchers by professional focus (Rolling Stock)
- Choice of Laboratories and Test centres (Technical equipment used for testing criteria)



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WORC (V 2.1) Output operations Input Operations Home Back to Output Laboratories - Select Laboratories - Technical Operations equipment used for testing criteria · Home WORC Selective Outputs View Track · Institution Outputs Teams Outputs Selection of Laboratories by Technical equipment used for testing Researcher Outputs Laboratories Outputs criteria: Track or circuit with GSM-R: Track or circuit with ETCS-1: | Track or circuit with ETCS-2: | Halls for preparation: GNSS technology: Dynamic test laboratories: @ Training centre: Counter of axles: Indicator of the flat wheels: Indicator of the hot axles: Special measuring sction for TSI masurement: Special test track for derailment safety measurement under high logitudial forces (UIC 530-2): Curve for measurement lateral and vertical forces between wheel and rail: | Special measuring section for EMC test: Other equipments: Supply power system - DC system 1,5 kV = Supply power system - DC system 3 kV = Supply power system - AC system 25 kV, 50 Hz

Select

Other power station systems:

Test tracks:

25 reads

Supply power system - AC system 15 kV, 16 2/3 Hz



WORC (V 2.1)

WORLDWIDE RA	AL RESEARCH CAPACITY FINDER
Input operations O	utput operations
forme	
Back to Output Operations	Selected Outputs - Laboratories 2.3
Home WORC Selective Outputs Institution Outputs Teams Outputs	View Trick Laboratories - Selected Testing Equipments parameters:
Researcher Outputs Laboratories Outputs	(OR selection)
	Testing halls number = . Value Dynamic test laboratories = 1. Value Special measuring section for EMC test = 1.

WORC Database: - Table #05 - Laboratories & Testing Equipments

Laboreatory name:	Laboratory Aeronym:	Institution Acronym:	Type Laboratory:	Type Testcenter:	City:	Country	Contact Surname:	Contact First name:	Contact Second name:	Phone:	e_Mail:	Website:	Using expert client
Design improvement of the pernament way	VSP	VNIIZhT	1		Moscow	Russia	Khvostik	Mikhail		+7(499)180- 3241	vsp311@yandex.ru	www.vnizht.ru	1
Test Centre Velim	TC Weim	VUZ		1	Cerhenice	Czech republic	Klofanda	Mioš		+420 602 712 139	klofandam@cdvuz.cz	www.odvuz.cz	1
VUZ Testing Laboratory No. 1482	VUZ ZL	VUZ	1		Prague	Czech republic	Šuk	Vatislav		+420 972 223 320	sukv@odvuz.cz	www.cdvuz.cz	
TCDD RAILWAY RESEARCH CENTER	TCDD DATEM	TCDD DATEM	10	1	YENIMAHALLE	Turkey	KANDEMIR	GUVEN		+9 (0312) 211 10 41 - 9003	guvenkandemir@todd.gov.tr	www.todd.gov.tr	

WORC contacts



Další plánované kroky

- Naplnit databázi WORC daty
- Zahájit naplňování databáze vybranými českými subjekty
- Ve spolupráci s UIC zhodnotit výsledky projektu a stanovit další postup rozvoje databáze







Děkuji za pozornost

Jaroslav Vašátko



