



Joint Institute for Nuclear  
Research

SCIENCE BRINGING NATIONS TOGETHER



# System for planning and logging excursions at JINR

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**Anna Ilina<sup>1,a</sup>, Igor Pelevanyuk<sup>1</sup>**

<sup>1</sup>*MLIT, Joint Institute for Nuclear Research*

<sup>a</sup>*annailina@jinr.ru*

**Report 2018**  
**on the performance of work, that is funded by AYSS-grant under:**  
**"young scientist with a degree", "young scientist", "young specialist"**

**8. Participation in popularization of the Institute activities**  
*(guided tours, lectures, projects of the University Center,  
JINR Library and JINR Museum)*



# Related questions

- How to calculate the total number of all excursions?
- How to calculate the number of all excursions by the laboratories?
- How to store an information?
- ...



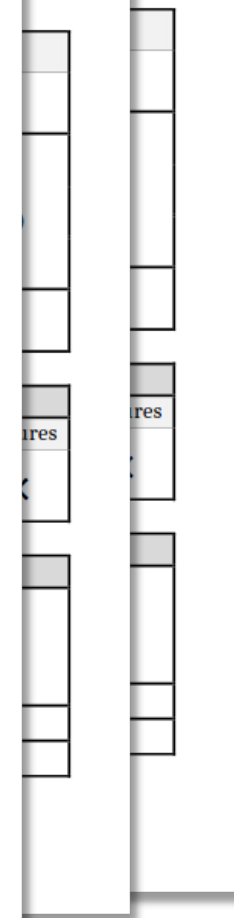
# 2019, MLIT

## LIT Guide Report Form

Date	Time	Guide	
06.02.19	10:15-11:00	Igor Pelevanyuk	
Language	Russian	Participants	15
Initiator	ICD		
Auditory	Delegation		
Age	25-60	Occasion	JEMS

Visit areas				
Photos	Museum	MICC	MICC CR	Lectures
×	×	✓	✓	×

Other information				

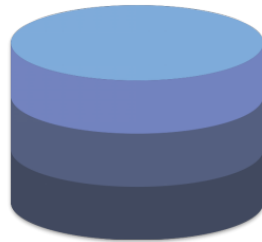


# What functions do we need to have?

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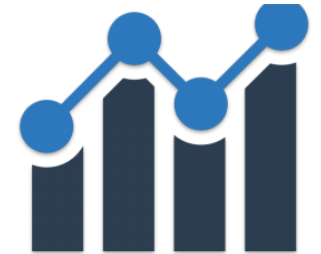
COORDINATE  
THE CONDUCT  
OF EXCURSIONS



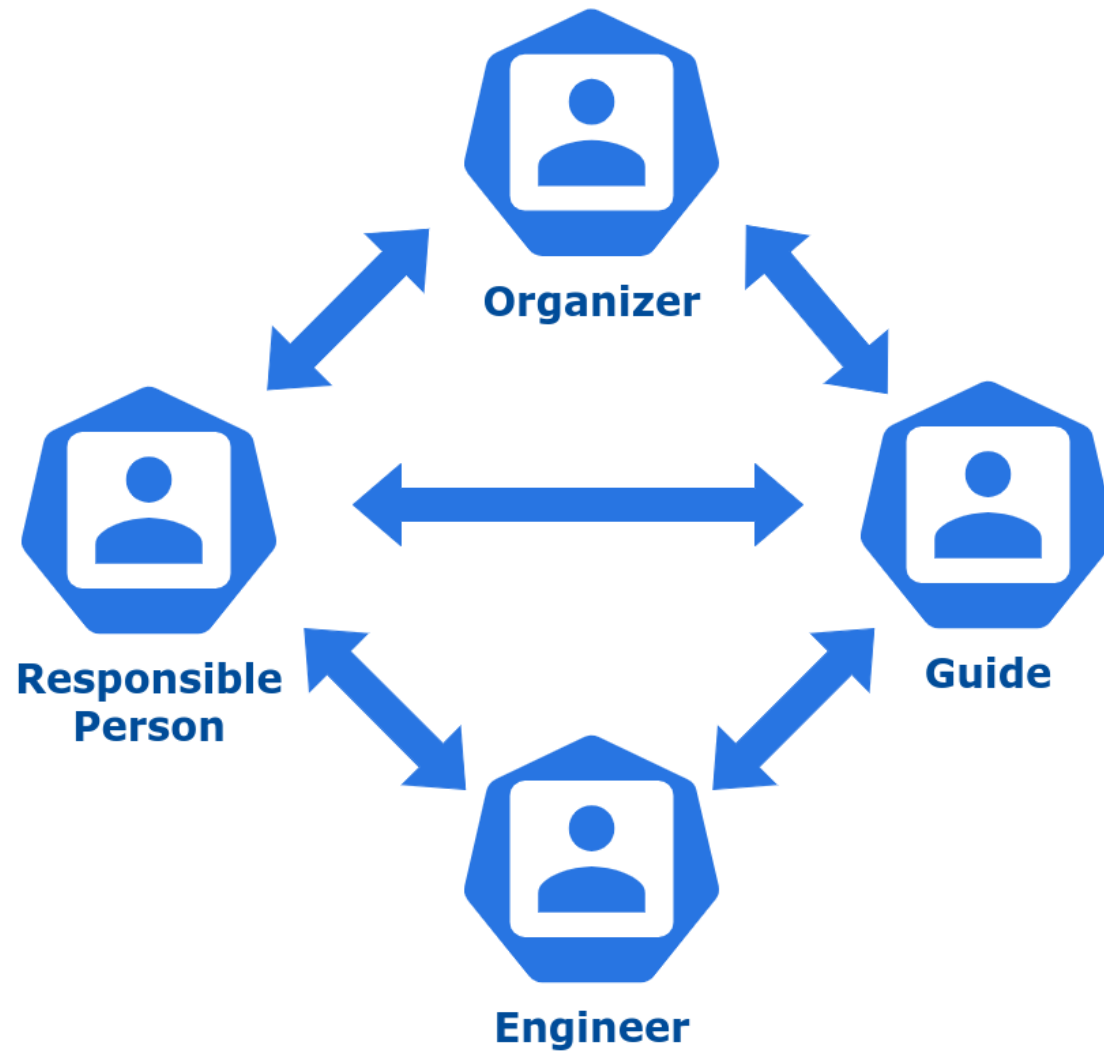
SAVE  
INFORMATION

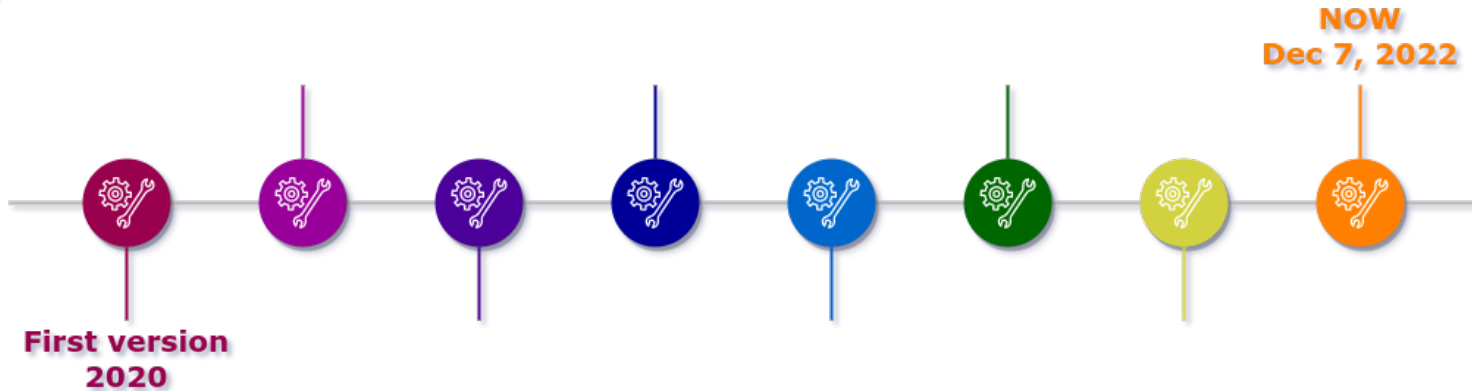


MONITOR THE  
WORKLOAD  
OF THE AREAS



RECEIVE  
STATISTICS





# HERE IS WHAT HAS BEEN DONE:

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&lt; &gt; today

# November 2022

month week day list

Mon	Tue	Wed	Thu	Fri	Sat	Sun
31 12:00 - 13:00 LHEP, MEPhI studi	1 14:30 - 15:30 MLIT, college stud	2 13:00 - 14:00 LHEP, MSU studer 14:00 - 15:00 FLNR, MSU studer 15:00 - 16:00 DLNP, MSU studer	3	4	5	6
7 0:00 -----, стажировка JEMS 10:00 - 11:30 LHEP, Иннопрактик 16:00 - 17:40 LHEP, JEMS	8 0:00 -----, стажировка JEMS 10:00 - 11:30 LHEP, MPD/NICA r	9 0:00 -----, стажировка JEMS 8:40 - 13:30 LHEP, specially invi 10:00 - 11:00 MLIT, JEMS	10 0:00 -----, стажировка JEMS	11 0:00 -----, стажировка JEMS	12	13
14	15	16 14:00 - 15:00 FLNP, Экскурсия 15:00 - 16:00 DLNP, Экскурсия	17	18 9:30 - 10:30 MLIT, JINR School c	19	20
21	22	23	24	25	26	27
12:00 - 14:00 LHEP, египетские 14:00 - 15:30 DLNP, schoolchild	10:00 - 12:00 MLIT, schoolchild 12:00 - 13:00 LRB, schoolchild 14:00 - 15:00 DLNP, schoolchild 15:30 - 16:30 FLNR, schoolchild	9:45 - 11:15 FLNP, schoolchild 11:30 - 13:00 DLNP, schoolchild 14:00 - 16:30 LHEP, schoolchild	30	1	2	3
5 14:00 - 15:30 DLNP, schoolchild	6 15:15 - 16:30 MLIT, schoolchild	7 15:20 - 16:20 DLNP, schoolchild	8 10:00 - 11:45 FLNP, schoolchild	9 10:00 - 13:00 LHEP, schoolchild	10	11

MLIT  
 schoolchildren from Kamchatka (JINR  
 KamSU Information Center)

## ACTIONS

Login via JINR SSO

How to use

Contacts





< > today

Nov 28 – Dec 4, 2022

month week day list

- ACTIONS
- Login via JINR SSO
  - How to use
  - Contacts

	Mon 11/28	Tue 11/29	Wed 11/30	Thu 12/1	Fri 12/2	Sat 12/3	Sun 12/4
all-day							
8am							
9am							
10am		10:00 - 12:00 MLIT, schoolchildren from Kamchatka (JINR KamSU Information Center)	9:45 - 11:15 FLNP, schoolchildren from Kamchatka (JINR KamSU Information Center)				
11am							
12pm	12:00 - 14:00 LHEP, египетские студенты МЭИ	12:00 - 13:00 LRB, schoolchildren from Kamchatka (JINR KamSU)	11:30 - 13:00 DLNP, schoolchildren from Kamchatka (JINR KamSU Information Center)				
1pm							
2pm	14:00 - 15:30 DLNP, schoolchildren from Kamchatka (JINR KamSU Information Center)	14:00 - 15:00 DLNP, schoolchildren from Kamchatka (JINR KamSU)	14:00 - 16:30 LHEP, schoolchildren from Kamchatka (JINR KamSU Information Center)				
3pm		15:30 - 16:30 FLNR, schoolchildren from Kamchatka (JINR KamSU)					
4pm							
5pm							
6pm							
7pm							
8pm							

ACTIONS

[Login via JINR SSO](#)

[How to use](#)

[Contacts](#)

**Monday** **November 28, 2022**

- 12:00 - 14:00 ● LHEP, египетские студенты МЭИ
- 14:00 - 15:30 ● DLNP, schoolchildren from Kamchatka (JINR KamsU Information Center)

**Tuesday** **November 29, 2022**

- 10:00 - 12:00 ● MLIT, schoolchildren from Kamchatka (JINR KamsU Information Center)
- 12:00 - 13:00 ● LRB, schoolchildren from Kamchatka (JINR KamsU Information Center)
- 14:00 - 15:00 ● DLNP, schoolchildren from Kamchatka (JINR KamsU Information Center)
- 15:30 - 16:30 ● FLNR, schoolchildren from Kamchatka (JINR KamsU Information Center)

**Wednesday** **November 30, 2022**

- 9:45 - 11:15 ● FLNP, schoolchildren from Kamchatka (JINR KamsU Information Center)
- 11:30 - 13:00 ● DLNP, schoolchildren from Kamchatka (JINR KamsU Information Center)
- 14:00 - 16:30 ● LHEP, schoolchildren from Kamchatka (JINR KamsU Information Center)

# Access to detailed information - CLOSED

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JINR Single Sign-On

Reminder: you have agreed to comply with the JINR computing rules

Sign in with a JINR account

User name:


Password:

[Sign in](#)

[Recovery password](#)

[How to get SSO login for user.  
Registration SSO service and application.](#)

# How is the system filled?



**JINRex**  
System of organization and accounting of  
excursions in JINR

Anna Ilina  
Online

NAVIGATION

- Submit an application
- View my excursions
- Calendar
- Statistics

ACTIONS

- How to use
- Contacts
- Logout

☰ ✎ Send a new request for the organization of excursion

## Facility

MLIT

## Areas ➕ New

- Museum
- Control room
- Machine room

## Date\*

24.10.2022 – 24.10.2022

## Start time\*

13:00

## Stop time\*

14:00

## Guide ➕ New

Anna Ilina Igor Pelevanyuk

## Responsible ➕ New

Igor Pelevanyuk (pelevanyuk@jinr.ru)

## Participants\*

10

## Event\*

Some event

## Target audience\*

Schoolchildren from Dubna

## Language\*

English

## Arrival

- On foot
- By bus

## Format\*

- Offline
- Online

## Additional info

Some additional info

➤ SEND

# How is the information stored?

---

Facility Guide	Facility Incharge	Facility	Date	Start Time	Stop Time	Event	Organizer
Inga Zinicovscaia	Inga Zinicovscaia	FLNP	2022-06-08	10:00	11:00	Online tour for pupils of the boarding house MORF	Evgeniya Loboda
Igor Pelevanyuk	Olga Derenovskaya	MLIT	2022-05-27	14:00	15:00	excursion for young scientists of the IBMP RAS	Olga Radosteva
Sergei Merts	Alexander Cheplakov	LHEP	2022-05-26	14:00	16:00	Online tour for information center Yerevan	Evgeniya Loboda
Philippov Alexander	Dmitry Dryablov	LHEP	2022-05-26	14:20	15:00	Excursion for Eilenkrig Crew musicians + others	Dmitry Dryablov
Alexander Karpov,Vasiliy Semin	Alexander Karpov	FLNR	2022-05-24	14:00	16:00	excursion for schoolchildren (Moscow)	Olga Radosteva
Igor Pelevanyuk	Olga Derenovskaya	MLIT	2022-05-18	11:15	11:50	Excursion for participant of "Best of all" program	Polina Chuprinyuk

Previous 1 2 3 Next

# Detailed information about an excursion

Excursion Info

To change some field(s) just enter a new value(s) and click bottom button **SAVE CHANGES**

Information

Will be held

Facility\*

MLIT

Areas **New**

- Museum
- Control room
- Machine room

Date\*

24.10.2022

Start time\*

13:00

Stop time\*

14:00

Participants\*

10

Organizer\*

Anna Ilina (annailina@jinr.ru)

Guide\* **New**

Anna Ilina Igor Pelevanyuk

Responsible\* **New**

Igor Pelevanyuk (pelevanyuk@jinr.ru)

Event\*

Some event

Target audience\*

Schoolchildren from Dubna

Language\*

English

Arrival

- On foot
- By bus

Format\*

- Offline
- Online

Additional info

Some additional info

GO BACK

Agreed with all guides

Agreed with the incharge

CONFIRM AS GUIDE

SEND A REMINDER

SAVE CHANGES

REMOVE EXCURSION

The service automatically sends email notifications about all important events

[NEW] New excursion

Входящие x JINR Mail x



jinrex@jinr.ru

кому: annailina, pelevanyuk ▾

Hello,

**You have received a request for a new excursion.**

---

**Detailed information about the excursion:**

**Date:** 24 October, 2022  
**Target audience:** Schoolchildren from Dubna  
**Facility:** MLIT  
**Areas:** Museum, Control room  
**Event:** Some event  
**Arrival:** by\_bus  
**Format:** offline  
**Start time:** 13:00  
**Stop time:** 14:00  
**Organizer:** Anna Ilina  
**Guide:** Anna Ilina, Igor Pelevanyuk  
**Responsible person:** Igor Pelevanyuk  
**Additional info:** Some additional info

For further actions please visit JINRex web service: [https://jinrex.jinr.ru/jinrex/rest/excursion\\_info/288/](https://jinrex.jinr.ru/jinrex/rest/excursion_info/288/).

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*If you have any questions or suggestions about the JINRex system, please email us:*  
[Anna Ilina, Igor Pelevanyuk](mailto:Anna.Ilina,Igor.Pelevanyuk)

Sincerely,  
The JINRex Team





Anna Ilina

Online

NAVIGATION

Submit an application

View my excursions

Calendar

Statistics

ACTIONS

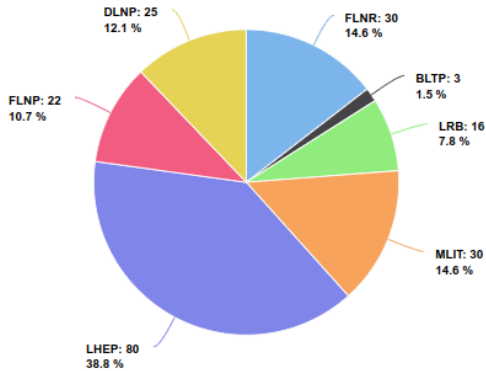
How to use

Contacts

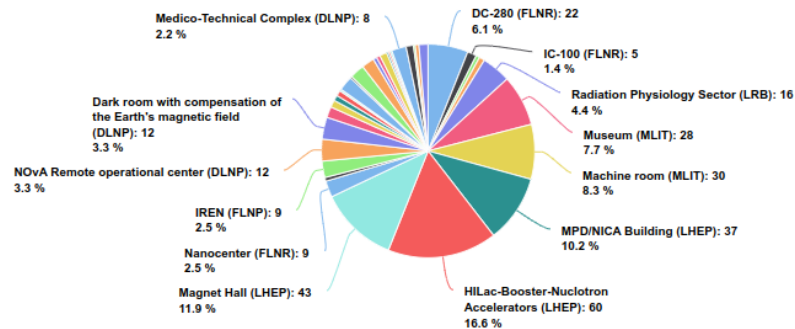
Logout

### Total excursions (April 2022 – 05 December 2022)

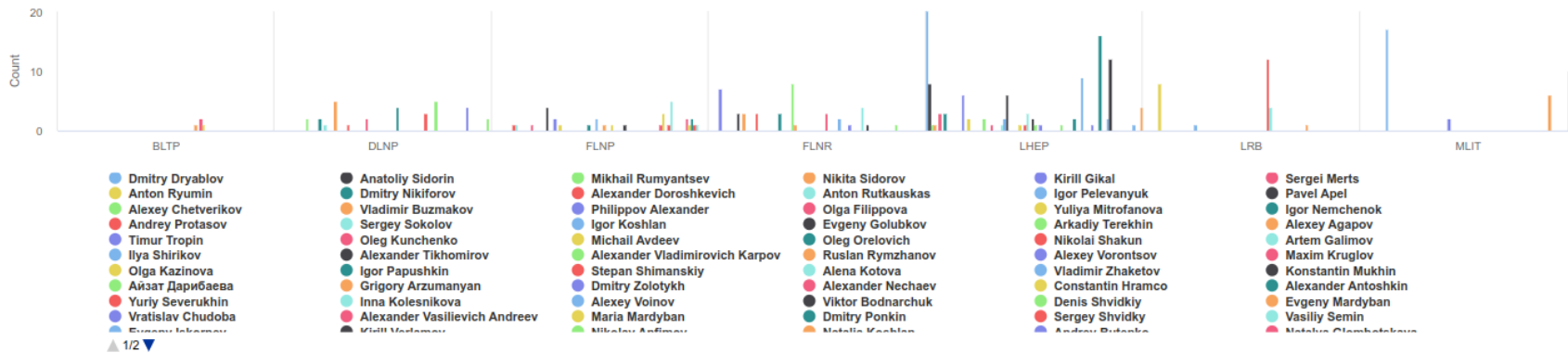
#### Facilities attendance



#### Areas attendance



#### Statistics on guides

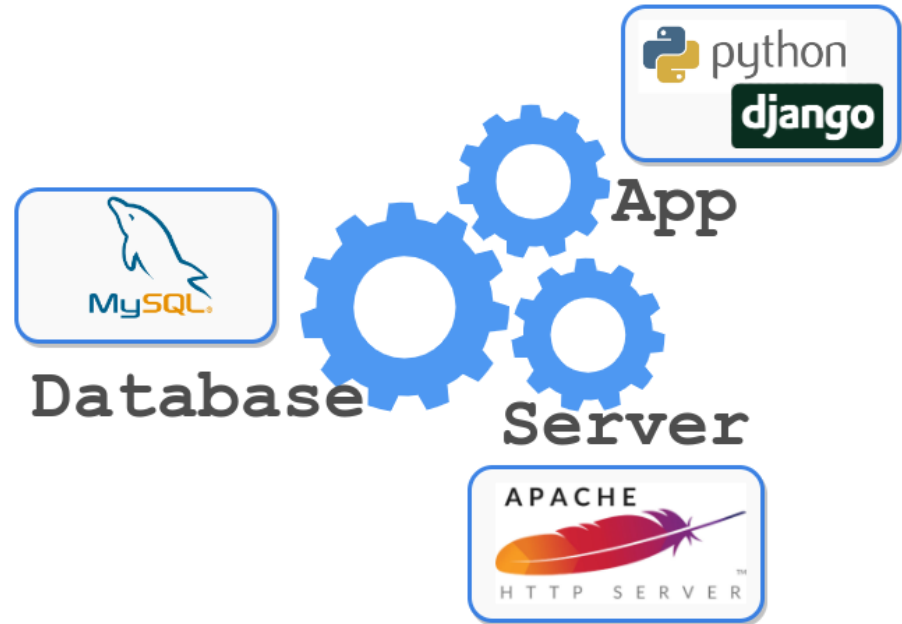


# Used technologies

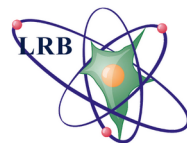
## Frontend



## Backend



# Which JINR laboratories are already using the system?



Laboratory of  
Radiation  
Biology

*Joint Institute for Nuclear Research*

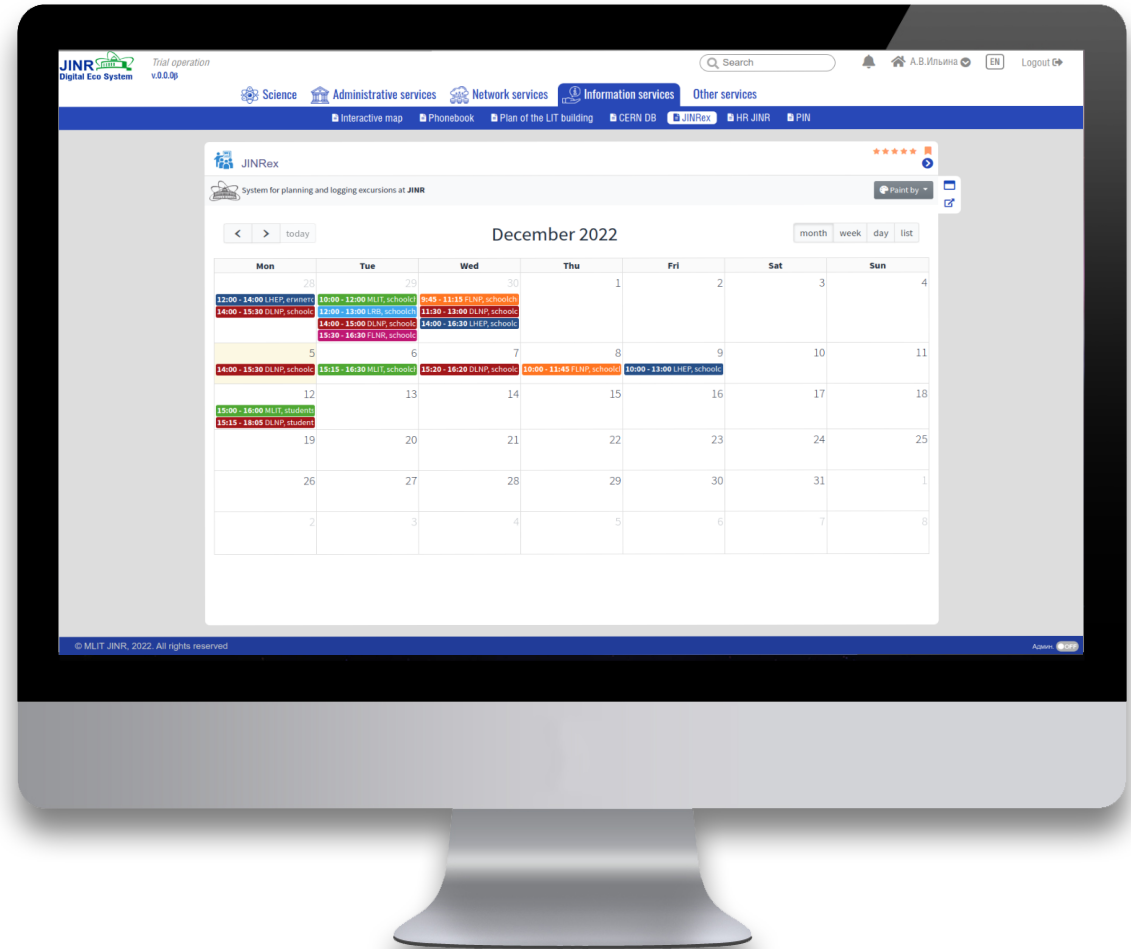


MESHCHERYAKOV  
LABORATORY of  
INFORMATION  
TECHNOLOGIES



# Future plans

- Implementation of algorithms to obtain advanced statistics required by the users and development of dashboards displaying the graphical representation of statistical information on selected slices.
- Support, refinement and redesign in accordance with the requirements for service integration into the JINR Digital Eco System.
- Improvement of authentications and authorization algorithms.
- Implementation of new functions at the request of users.



# How to view the system?

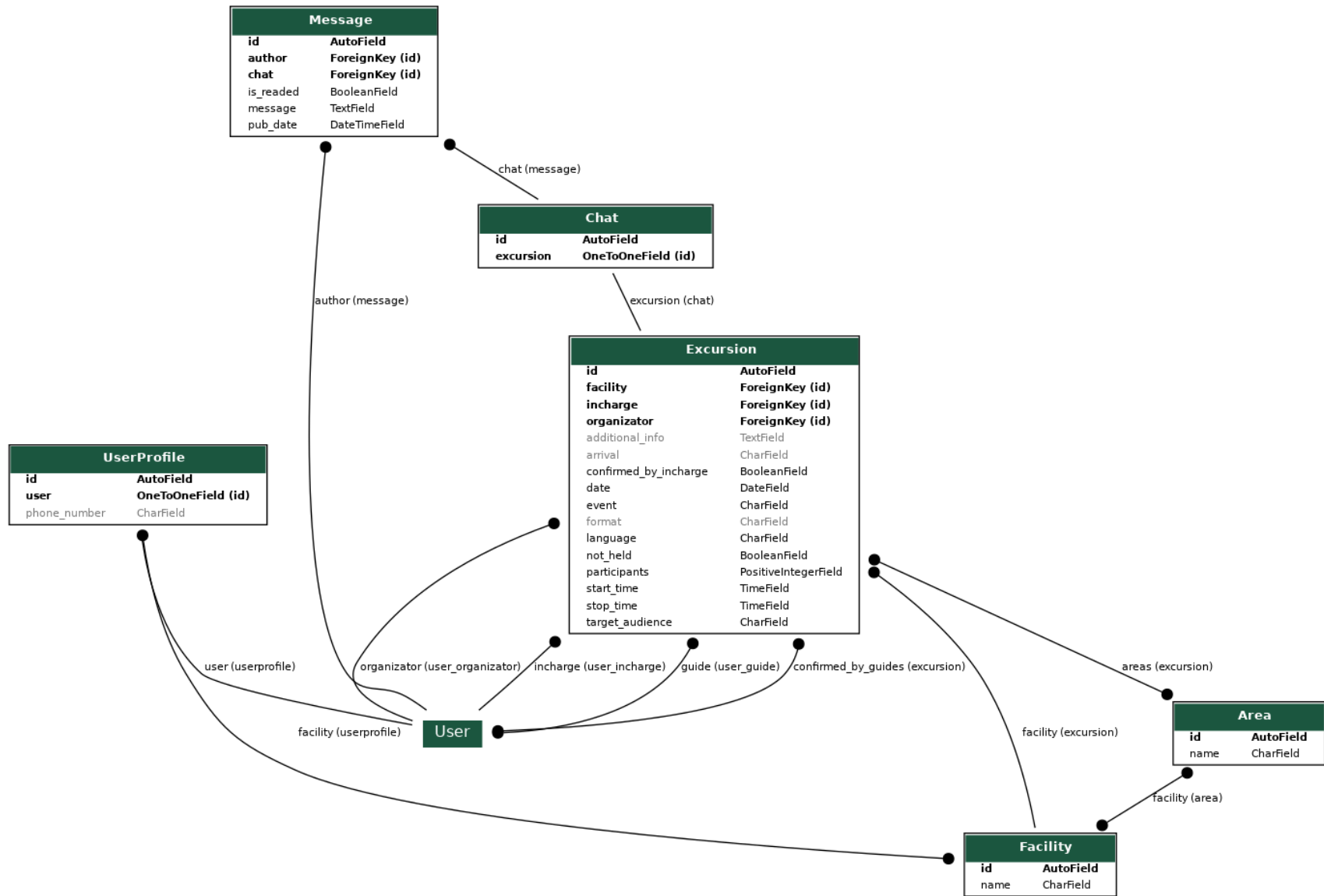
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The service is available at:

<https://jinrex.jinr.ru/>



**Thank you for your attention!**

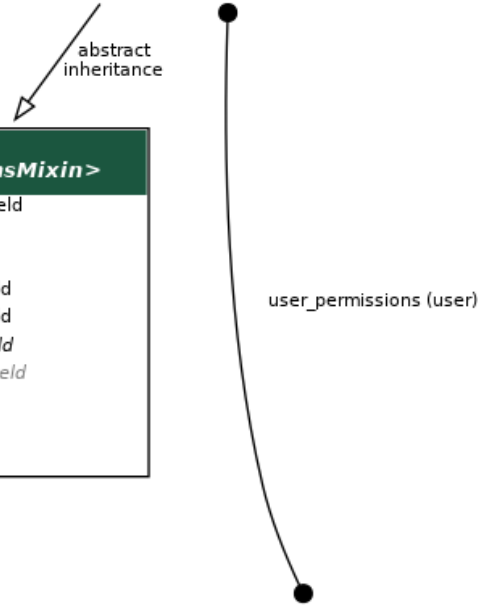




User <AbstractUser>	
<b>id</b>	<b>AutoField</b>
<i>date_joined</i>	<i>DateTimeField</i>
<i>email</i>	<i>EmailField</i>
<i>first_name</i>	<i>CharField</i>
<i>is_active</i>	<i>BooleanField</i>
<i>is_staff</i>	<i>BooleanField</i>
<i>is_superuser</i>	<i>BooleanField</i>
<i>last_login</i>	<i>DateTimeField</i>
<i>last_name</i>	<i>CharField</i>
<i>password</i>	<i>CharField</i>
<i>username</i>	<i>CharField</i>

AbstractUser <AbstractBaseUser,PermissionsMixin>	
<i>date_joined</i>	<i>DateTimeField</i>
<i>email</i>	<i>EmailField</i>
<i>first_name</i>	<i>CharField</i>
<i>is_active</i>	<i>BooleanField</i>
<i>is_staff</i>	<i>BooleanField</i>
<i>is_superuser</i>	<i>BooleanField</i>
<i>last_login</i>	<i>DateTimeField</i>
<i>last_name</i>	<i>CharField</i>
<i>password</i>	<i>CharField</i>
<i>username</i>	<i>CharField</i>

Permission	
<b>id</b>	<b>AutoField</b>
<b>content_type</b>	<b>ForeignKey (id)</b>
<i>codename</i>	<i>CharField</i>
<i>name</i>	<i>CharField</i>



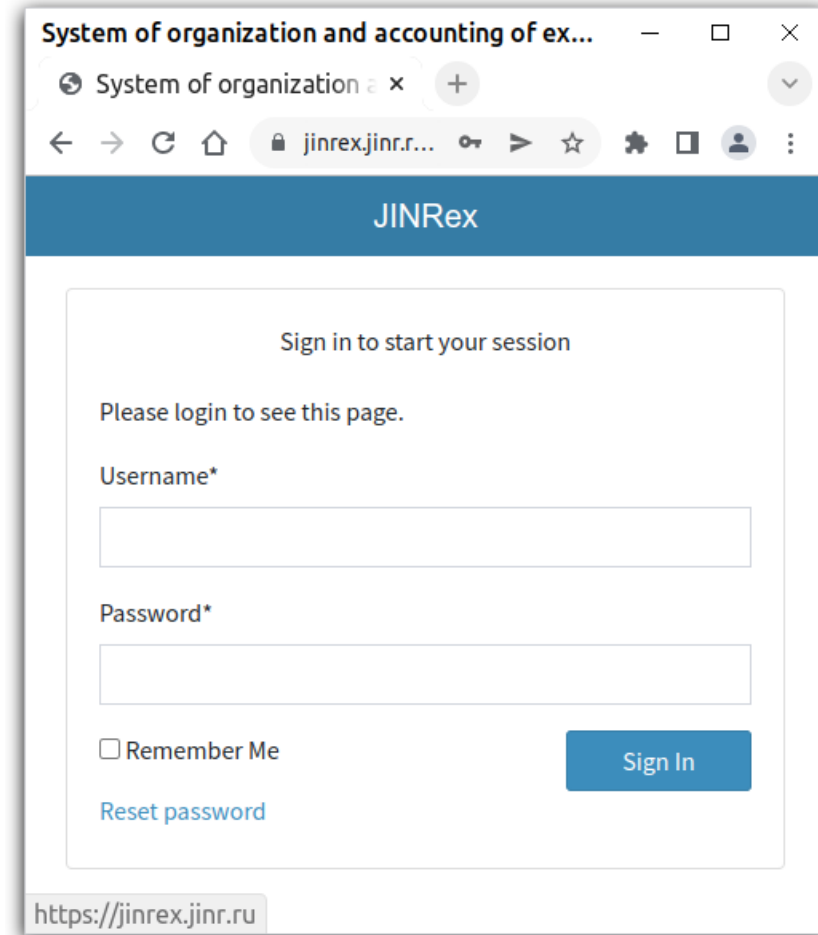
# What can each of the roles do?

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- **Organizer** can:
  - ✓ add new excursions
  - ✓ view, edit, delete his excursions
  - ✓ send messages to an excursion chat
  - ✓ receive emails
- **Responsible Person** can:
  - ✓ view, edit, delete his excursions
  - ✓ send messages to an excursion chat
  - ✓ confirm his participation
  - ✓ receive emails
- **Guide** can:
  - ✓ view his excursions
  - ✓ send messages to an excursion chat
  - ✓ confirm his participation
  - ✓ receive emails

# Access to detailed information - CLOSED

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&lt; &gt; today

## October 2022

Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30		
			10:00 - 11:30 LHEP, экскурсии	14:00 - 15:30 FLNP, Moscow sch		
3	4	5	6	7	8	9
	10:00 - 11:40 LRB, School for pl 15:00 - 16:30 MLIT, School for p	9:30 - 12:30 FLNR, School for pl	14:30 - 16:30 LHEP, School for p			
10	11	12	13	14	15	16
			10:00 - 12:00 FLNP, Экскурсия 12:00 - 13:00 LRB, Экскурсия д 14:00 - 16:00 DLNP, Экскурсия 16:00 - 17:00 MLIT, Экскурсия д	10:00 - 12:00 LHEP, Экскурсия 14:30 - 15:10 LHEP, RosAtom		
17	18	19	20	21	22	23
	13:30 - 14:30 FLNR, Экскурсия 14:30 - 15:30 DLNP, Экскурсия 14:30 - 15:30 MLIT, 1st year stud	14:00 - 15:00 FLNR, schoolchild	11:30 - 12:30 FLNR, MSU 1st an 13:30 - 14:30 FLNR, Экскурсия 14:30 - 15:30 DLNP, Экскурсия	11:00 - 13:00 DLNP, Rosatom M		
24	25	26	27	28	29	30
		12:00 - 13:30 LHEP, Международ 14:30 - 15:30 FLNP, Студенты к		14:00 - 15:00 MLIT, Moscow sch 15:00 - 16:00 DLNP, Moscow scl 16:00 - 17:00 MLIT, AYSS Conf		
31	1	2	3	4	5	6
	14:30 - 15:30 MLIT, college stud	15:00 - 16:00 DLNP, MSU studer				

**Error**

Dear Ilna Anna Vladimirovna,  
**most probably e-mail address of your user in JINR does not correspond to e-mail associated with your JINR SSO account.**

**Your JINR SSO e-mail: [annalina@jinr.ru](mailto:annalina@jinr.ru)**

For now you can still use the Login button in the panel on the left.  
 We are already working on this issue.  
 Thank you for understanding!

## ACTIONS

Login

How to use

Contacts