FIWOO

Platform User's Manual

FIWOO Platform

https://platform.fiwoo.eu/

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I Platform Access

To access to the Platform you must access to the following url from a browser in a personal computer or a mobile device (tablet or smartphone):

https://platform.fiwoo.eu/

Also, you can access directly through the first shortcut on the FIWOO Resources webpage:

http://www.fiwoo.eu/resources/



2 Login-Signup Operations

2.1 Login

Once typing the url, you will access to the login screen where you must put your credentials: user id (your email address) and your password.



Also, you are able to login with your Google Account:

	t // /	
	G Sign in - Google Accounts - Google Chrome - 🗆 🗙	
	Es seguro https://accounts.google.com/signin/oauth/identifier?client_id=699860964573	
	G Sign in with Google	
	Sign in to continue to fiwoo.eu Email or phone mail@gmail.com	
	Forgot email?	
	Create account NEXT	
	English (United States) - Help Privacy Terms	
	G SIGN-IN WITH GOOGLE	
	Don't have an account? Sign Up	
***	1 3 1 1 1	

VERSION > 1.0.

LAST UPDATED → June 13th, 2018

If you don't remember your password, you can request a new password using the Forgot Password screen:



2.2 Signup

If you still don't have a FIWOO account, you are able to create one at registration page on our website, also accessible from mobile devices:

https://platform.fiwoo.eu/#/auth/register

FIWOO	
Sign Up	
Name Surname	
Email address	
Phone number Please select a gender	
Password	
Confirm password	
REGISTER	
Already have an account? Sign.in	



You will receive a confirmation email:

•	fiwoo.platform@gmail.com	Please confirm your account at Fiwoo.eu.	Jun 14, 2018 1:24:55 AM
	Dear Fake (j2138286@nwytg.com),		\odot
	Welcome to FIWOO! Thanks so much for joining us. discovering your city. Please confirm your email ad process here.	You are just one step away from dress to complete the registration	⊜
	https://platform.fiwoo.eu/api/user- management/confirmation/rE2cUt96noNe55x1RTL	VqKWlsuQ2QqVq2Fm0sxHps532zHVwu0Y0D2BZAePsPblv6UUWliG9jPuaS7	
	If you have any questions, just write us an email. W Sincerely,	le are always here to help.	
	The FIWOO Team.		

You will be redirect a the User Confirmation page to confirm your data an validate your email:

	Welcome to	
- I - I - I - I - I - I - I - I - I - I	FIWOO	
AT AT -	All you need to use FIWOO is your email address and password, although some functionalities require extra data from you.	
I A HAR BALL	Note that you can change your data sharing preferences at any time.	
	Find the details in the Data Privacy section once you log in.	
	Name	
전환 실제 이렇는 이 것은 뒤 55월 일만 55	jordi	
	Surname	
	JIG	
	jordi@jig.es	
	Phone	
	564564564	
	Gender	
	Male v	
	By ticking this box, you agree to FIWOO's <u>Terms & Conditions</u> of personal data use.	The second s
A A A	CONFIRM ME AS A FIWOO USERI	the second s
	1	

2.3 Terms and Conditions

At the "Terms and Conditios" page you will be able to acces to the implication of login into FIWOO about the sharing of some personal data.



3 Header and Footer Operations

3.1 Menu

In all the sections of the platform, anytime, you will be able to access to the menu of the application clicking on the menu left upper button.

The button takes the form of an icon that consists of three parallel horizontal lines also called the hamburger, options button, tribar or triple bar. It is a common button placed typically in a top corner of a graphical user interface.

= FIWOO

Dashboards
IoT Management
Business Intelligence
= Statements
∬ User Management
Users
Roles
Groups
P Rewards
Agenda
Reports
Open Data
Bulk Data

3.2 User's Options

On the top right of the header, you can access to the user options menu where you will be able to change the password or see your profile.

From this user menu, the user can also do a log out. The log-out button is located at the bottom of the lateral menu. Once clicked the user will be logged out of the app.



To change de password, you must introduce the old password and the new password (twice):



Also, the user is able to see the profile of the user and be able to update the name, surname, email, phone number and gender:

≡ FIWOO			
Dashboards	Profile of USER		
loT Management	Name	user	
Business Intelligence	Surname	testingUser	
📃 Statements	Email	jordi@jig.es	
<u>∬</u> User Management	Phone	564564564	
P Rewards	Gender	•	
Agenda		SAVE PROFILE	
Reports			
Open Data			
Bulk Data			
	Fiwoo - 2018	Ę₽	() () y m

3.3 Search

Search screen is reachable from the header, clicking the icon of a magnifying glass. One clicking, you will be able to text whatever you want to search on the platform (devices, dashboards, users...):

							\otimes
	de	vices	5				
					Hit enter to sea	arch	
≡ FIWO	O ADD W	IDGET	EMPTY DASHBOARD		\ <i>Q</i>		
/ IoT Management	GI5 Map	⊜ ⊕ ⊕ times	8 \$ \$ 0	temperature	⊛ ⊕ ⊖ systolic	8/0/0/0	
Grainess Intelligence Estatements Grave Management		2	Alarm	Temperal 40 20	ture Script 坐 🖛 50	puloe	7

Once introducing the text to search, and clicking the enter button, you will be able to access to the search results pages with all the items coinciding with the search:

≡ FIWOO		Q Q	J jordi@jig.es
Dashboards	Search results "devices"		
loT Management	devices		
Business Intelligence	https://plafform.fivoo.eu/#/pages/devices		
∃ Statements	devices https://platform.flwoo.eu/#/pages/reports/devices		
∬ User Management	devices https://platform.fiwoo.eu/#/pages/bulk-data		
Users			
Roles Groups	Dashboard results "devices"		
P Rewards	Dashboard Test User 1 https://platform.fiveo.eu/#/pages/dashboard?id=143		
Agenda	Air Quality Case https://platform.fivoo.eu/#/pages/dashboard?id=147		
Reports	Test JIG		
Open Data	ntps://piatorn.iwoo.eu #/pages/dastiboard.nd=168		
Bulk Data	Fiwoo-2018		00 ¥ 0

3.4 Notifications

Also at the header, clicking on the "bell" icon, you will be able to access to the Notifications with 3 sections: Inbox, Outbox and Sent by all.

≡ FIWOO					Q (jordi@jig.e
B Dashboards		tel es	Quality and	ford	ba all
IoT Management		xodni	Ουτροχ	Sent	by au
Ruciners Intelligence				ADD NOTI	IFICATION
	Sender	Subject	Message	Send via	Send at
E Statements		Subject	Message	Send via	
∬ User Management	20	User tester1.fiwoo@gmail.com wants to remove his/her data.	User id: 20, user email: tester1.fiwoo@ gmail.com. Have a nice day!	EMAIL	May 31, 2018 8:05 PM
Users Roles Groups		α <	1 2 3 4 > »		
abla Rewards					
Agenda					
Reports					
Open Data					
Bulk Data	Fiwoo - 2018				() () y [

Notifications inbox where it is possible to search by subject, message or sent method:

Clicking on the Add Notification Button, it will be possible to send a notification via email or SMS. You will be able to choose users, roles or groups:

≡ FIWOO		Add Notification #		*	Q D jordi@jiges	
B Dashboards		Subject		Send via	Sent by all	
IoT Management		Message	Message		ADD NOTIFICATION	
Business Intelligence	Sender Rec	Message	Message		Send at	
🗄 Statements						
	10 car	USERS ROLES	GROUPS		May 31, 2018 7:33 PM	
U	20 tes	Choose users			May 31, 2018 8:05 PM	
Users	20 -		Ť		May 31, 2018 8:05 PM	
Groups	20 -				May 31, 2018 8:05 PM	
	20 -				May 31, 2018 8:05 PM	
♀ Rewards	20 -				May 31, 2018 8:05 PM	
Agenda	20 -			EMAIL	May 31, 2018 8:05 PM	
	20 -			EMAIL	May 31, 2018 8:05 PM	
Reports	20 -			EMAIL	May 31, 2018 8:05 PM	
💿 Open Data	20 -			EMAIL	May 31, 2018 8:05 PM	
Bulk Data	Fiwoo - 2018		c.Ţ		0 5 7 6	

At the notification outbox you will also able to filter the messages by subject, message or sent method:

≡ FIWOO						2 📋 🗍 jordiājig.es
B Dashboards		Inboy	c Out	box	Sent by	all
loT Management			ADD NOTIFICATION			
Business Intelligence		Receiver	Subject	Message	Send via	Send at
🗄 Statements			Subject	Message	Send via	
		carlos@secmotic.com	You have been warned	Actions will be taken against you	EMAIL	May 31, 2018 7:33 PM
Users		tester1.fiwoo@gmail.com	We have been request to remove your data from Fiwoo	Hello, just to let you know your data wil I be removed in the maximum period of 30 days from today. Best regards!	EMAIL	May 31, 2018 8:05 PM
Roles Groups		•	User tester1.fiwoo@gmail.com wants to remove his/her data.	User id: 20, user email: tester1.flwoo@ gmail.com. Have a nice day!	EMAIL	May 31, 2018 8:05 PM
$\mathbf{\nabla}$ Rewards			User tester1.fiwoo@gmail.com wants to remove his/her data.	User id: 20, user email: tester1.fiwoo@ gmail.com. Have a nice day!	EMAIL	May 31, 2018 8:05 PM
Agenda		-	User tester1.frwoo@gmail.com wants to remove his/her data.	User id: 20, user email: tester1.fiwoo@ gmail.com. Have a nice day!	EMAIL	May 31, 2018 8:05 PM
Reports			User tester1.frwoo@gmail.com wants to remove his/her data.	User id: 20, user email: tester1.fiwoo@ gmail.com. Have a nice day!	EMAIL	May 31, 2018 8:05 PM
Open Data			User tester1.fiwoo@gmail.com wants to remove his/her data.	User id: 20, user email: tester1.fiwoo@ gmail.com. Have a nice day!	EMAIL	May 31, 2018 8:05 PM
Bulk Data	Fiwoo - 20	018)		004

Also at the notifications "sent by all" screen:

≡ FIWOO						Q ()) jordi@jig.es
Dashboards			Inbox	Outbox		Sent by all	
IoT Management						ADD NOTIFICATION	
Business Intelligence		Sender	Receiver	Message	Send via	Send at	
∃ Statements				Message	Send via		
User Management		10	carlos@secmotic.com		EMAIL	May 31, 2018 7:33 PM	
25		20	tester1.fiwoo@gmail.com		EMAIL	May 31, 2018 8:05 PM	
Users		20	·		EMAIL	May 31, 2018 8:05 PM	
Groups		20			EMAIL	May 31, 2018 8:05 PM	
-		20			EMAIL	May 31, 2018 8:05 PM	
♀ Rewards		20			EMAIL	May 31, 2018 8:05 PM	
Agenda		20	·		EMAIL	May 31, 2018 8:05 PM	
		20			EMAIL	May 31, 2018 8:05 PM	
Reports		20	•		EMAIL	May 31, 2018 8:05 PM	
Open Data		20	·		EMAIL	May 31, 2018 8:05 PM	
Bulk Data	Fiwoo - 20	18		<u>ت</u>]ت			094

3.5 Chatbot

At the middle of the footer, you will access to the chatbot where you can start a talk with it texting or using the microphone of the computer:

≡ FIWOO									٩ ۵	J jordi				
B Dashboards				Devices				My Device	s					
loT Management		ADD DEVICE												
Devices Templates		FILTER DEVICES												
Business Intelligence		Edit/De	lete	Device id:	Nan	ne	Protoco	l Transport Protocol						
E Statements		/		5afc0d021c2db50006fdb262	Te		L	HTTP	DEVICE ACTIONS	•				
∬ User Management		1	Ü	5afc0d021c2db50006fdb261	Te	<u>و</u>	L	HTTP		•				
P Rewards		/	۵	5afc0d031c2db50006fdb264	Te	Welcome, I'm your devi configuration assistan	ice ^L	HTTP	DEVICE ACTIONS	•				
Agenda		1	Û	5afc0d041c2db50006fdb28f	De	Would you like to add a ne device?	W L	HTTP	DEVICE ACTIONS	•				
Reports		/		5afc0d071c2db50006fdb299	De			HTTP	DEVICE ACTIONS	•				
Open Data		1	0	5afc0d071c2db50006fdb29b	Glu	U Write something 54	END	HTTP	DEVICE ACTIONS	•				
Bulk Data	Fiwoo - 2	2018								001				

≡ FIWOO										Q Q	J jordi@jig.es
Bashboards				Devices					My Devices		
loT Management					ADD DEVICE						
Devices Templates		FILTEF	R DEVICES			0 ACTIVE I	FILTERS				
		Edit/De	lete	Device id:	N	ame	Protoco	ol	Transport Protocol		
= Statements		1	Û	5afc0d021c2db50006fdb262	Т	2	ا بي		HTTP	DEVICE ACTIONS	
<u> </u> User Management		P	0	5afc0d021c2db50006fdb261	Т	First you need a template. Do you know wh	at this is? L at 09:01		HTTP	DEVICE ACTIONS	
igvee Rewards		1	(II)	5afc0d031c2db50006fdb264	Т	≥ <u>0</u> no	L		HTTP	DEVICE ACTIONS	
Agenda		P		5afc0d041c2db50006fdb28f	D	e	at 09:01		HTTP	DEVICE ACTIONS	
Reports		1	Û	5afc0d071c2db50006fdb299	D	e A template is used to save the configuration	on of a sensor.		HTTP	DEVICE ACTIONS	
Open Data		1	Û	5afc0d071c2db50006fdb29b	G	To create one, follow these	steps:		HTTP	DEVICE ACTIONS	
Bulk Data											
No Data Privary	Fiwoo - 21	U18									() () y m
≡ FIWOO										Q Â) jordi@jig.es

Dashboards				Devices		My Devices					
loT Management										ADD DEVICE	
Templates		FILTER	DEVICES							0 ACTIVE	FILTERS
Business Intelligence		Edit/Del	ete	Device id:	Nar	ne	Prot	ocol	Transport Protocol		
Statements		1	Û	5afc0d021c2db50006fdb262	Te	Great!! Let's start adding a se Follow these :	ensor. steps:	L	HTTP	DEVICE ACTIONS	•
Ω User Management		1		5afc0d021c2db50006fdb261	Te	1st Click on the left side of the screen where it "IOT MANAGEMENT/DEV	t says ICES".	L	HTTP	DEVICE ACTIONS	•
P Rewards		1	۵	5afc0d031c2db50006fdb264	Te	2nd In the new window, click on "ADD DEVIO the top-right side of the scu 3rd Fill in all the fields of the formular. Then	CE* in reen. n click	L	HTTP	DEVICE ACTIONS	-
Agenda		P		5afc0d041c2db50006fdb28f	De	on SAVE bu Your sensor should have been addeed to sensor list! Now you can start sending data t	utton. your to the	L	HTTP	DEVICE ACTIONS	-
Reports		1	۵	5afc0d071c2db50006fdb299	De	pia Have you finished these :	steps?		HTTP	DEVICE ACTIONS	-
Open Data		P		5afc0d071c2db50006fdb29b	Glu	Q yes 54	END	L	HTTP	DEVICE ACTIONS	-
🕜 Bulk Data	Fiwoo - 2018	3				المراجع]			004

4 Dashboards and widgets

The most visual part of the FIWOO platform is the Dashboards section that includes the dashboards but also the widgets inside these dashboards:

4.1 Dashboards

This is how it looks a dashboard in FIWOO composed of different kinds of widgets where the user can manage totally choosing the size and editing each of the widgets to obtain totally personalized dashboards:



Clicking of the "Edit dashboard" button, you will be able to add new widgets, to empty the dashboard completely or to edit, delete, download... each of the widgets inside the dashboard:



When clicking on the "Manage Dashboard" button, you will be able to add new dashboards, to filter, edit or delete all the available dashboards:

≡ FIWOO		Manage Dashboards		2		Q D jordi@jig.es
88 Dashboards	New Dashboard	Search by name		+	D5	EDIT DASHBOARD
IoT Management		New Dashboard	/	Û		
Rusinger Intelligence	GIS Map	Dashboard Test User 1	1	Û	0	systolic
W Dusitiess interagence	+	Air Quality Case	/	Û	t 坐	SOBCB16AF4F2
⊞ Statements	NIOT	Test JIG	1	Û		
0 User Management		Test_LCR	/	Û		
25		Dashboard user story	/	Û	80	pulse
Users	Mon CO	Antwerp_MT3	/	Û	90	diastolic
Groups		Anwterp_MT4	/	Û		
TT		FVH Balanced Scorecard	/	Û		systolic
	An Inter Bercher	Bc				0 30 60 90 120 150
Agenda	ATT2 Artmergen 2015	A new second				
Penerte	GIS Map					
Open Data	Eq.					MAP OPTIONS-
Bulk Data	Fiwoo - 2018	r L				0 5 9 6

When clicking on the "Create Dashboard" button, you will be able to create an empty dashboard. You can choose the groups for what the created dashboard will be available or even create the dashboard as public (the users must also have permission to see the device information inside the dashboard):



4.2 Widgets

FIWOO offer a huge list of different kind of widget to the users: linear gauge, line chart, bar gauge, circular gauge, GIS Map, interactive communication, battery, digital, Boolean, is alive, command, alert tracking... and even custom widget where the user can upload the code of the widget to implement it.





Each widget allows to edit the widget properties:

= FIWOO		Widget configuration		22	Q Diordi@ijges
Dashboards	ADD WIDGET		CREATE BA	ASIC RULE	DISPLAY DASHBOARD
IoT Management	GIS Map	Properties	Configuration		systolic 🔋 🕷 🕀 🔿
Business Intelligence	+ NIAD (seem	Device Alarm	Attribute	√ t ⊻	508CB16AF4F2
⊟ Statements	NIOT ANALY				
∬ User Management	NIDI NIDI			2	pulse
Users				08	
Roles Groups	And A CONTRACT OF A CONTRACT O				
P Rewards	I Rechter				5)5001c 0 30 60 90 120 130
Agenda	Alternet Sud				
Reports	GIS Map			SAVE	
Open Data		- 91			MAP OPTIONS-
Bulk Data	Fiwoo - 2018		ې ب		0 S y in



≡ FIWOO		Widget configuration	11		Q Q	J jordi@jig.es
Bashboards	ADD WIDGET		CREATE BASIC RULE		DISPLAY DA	SHBOARD
IoT Management	GIS Map	Properties	Configuration		systolic	
Business Intelligence	+ 1 100	Title times		: ±	508CB16AF4F2	¥
Ξ Statements	NIOT Artery or	Refresh time in ms				
<u> 1</u> User Management	NIOI NIOI	5000		80	pulse	
Users Roles	Nets Priverper		SAVE 0 100		diastolic	
Groups		e Deune	31.4		systolic	
Agenda	Altra Becche Altra Altra Altr	Be Be			0 30 60	90 120 150
Reports	GIS Map					
💡 Open Data	+					MAP OPTIONS-
Bulk Data	Fiwco - 2018	c.				() () y in

And also allows to edit the widget configuration including the refresh time:

5 IoT Management

The IoT management section is divided into subsections: Devices and Templates:

5.1 Devices

You can see all the devices in a list with the device id, the name of the device, the protocol of the device and the transport protocol. From this list you are able to filter, to add, to edit or to delete devices, and also execute some actions:

≡ FIWOO								Q Q jordi@ji
B Dashboards				Devices			My Devices	
loT Management						ADD DEVICE		
Templates		FILTER	R DEVICES			O ACTIVE FILTERS		
		Edit/De	lete	Device id:	Name	Protocol	Transport Protocol	
= Statements		/	Û	5afc0d021c2db50006fdb262	Test Device for modify	IoTA-UL	HTTP	DEVICE ACTIONS
<u></u> User Management		1	Û	5afc0d021c2db50006fdb261	Test User 3 Public Device	IoTA-UL	HTTP	DEVICE ACTIONS
igPhi Rewards		1	Û	5afc0d031c2db50006fdb264	Test User 3 Private, Not Shared Device	IoTA-UL	HTTP	DEVICE ACTIONS
Agenda		1	1	5afc0d041c2db50006fdb28f	Device - 62	IoTA-UL	HTTP	
Reports		1	Û	5afc0d071c2db50006fdb299	Device - 6		HTTP	
Open Data		1	1	5afc0d071c2db50006fdb29b	Glucometer Script	IoTA-UL	HTTP	DEVICE ACTIONS
Bulk Data	Fiwoo - 2	018			<u>ري</u>			001
Data Privary	1100-2	010						

It is easy to filter the devices on the list:

≡ FIWOO											۵ ۵	J jordiājig.es	
Dashboards				Device	:5				M	y Devices			
loT Management		ADD DEVICE											
Templates		FILTER DEVICES 1 ACTIVE FILTERS											
Business Intelligence		Name			Protocol	5	Entity type	a voe		Entity name	me		
Statements		Transpo	ort Protocol		Owner Id	Attribute							
<u></u> User Management		Trans	sport Protoc	col	Owner	Attribute				Public			
P Rewards											RESET	PPLY	
Agenda		Edit/De	lete	Device id:		Name		Protocol	Transport Pr	otocol			
Reports		1	0	5afc0d021c2db50006fdb	262	Test Device for modify		IoTA-UL	HTTP		DEVICE ACTIONS		
P Open Data		iii 5afc0d021c2db50006fdb261				Test User 3 Public Device		IoTA-UL	HTTP		DEVICE ACTIONS		
Bulk Data		11	Tât	5afc0d031c2db50006fdb	264	Test User 3 Private. Not Shared D	evice	IoTA-UL	HTTP		DEVICE ACTIONS		
Nata Privary	Fiwoo - 2	018										004	

Also, you can list just your devices using the "My Devices" tab:

≡ FIWOO								Q Â	J jordi@jig.es			
B Dashboards				Devices			My Devic	es				
loT Management				ADD DEVICE								
Devices Templates		FILTER DEVICES O ACTIVE FILTERS										
Business Intelligence		Edit/Dele	te	Device id:	Name	Protocol	Transport Protocol					
📃 Statements		1	Ū	5b0fdf7ee5f68e000533f313	asda	IoTA-UL	HTTP	DEVICE ACTIONS				
<u> </u>		P		5b0ff9bb7b35000007fd4d01	asdads	IoTA-UL	нттр	DEVICE ACTIONS				
igvee Rewards		1	Ū	5b1000f77b35000007fd4d03	tes77	IoTA-UL	HTTP	DEVICE ACTIONS				
Agenda		P	1	5b190a76d34ae600075c3e36	mobile	IoTA-UL	HTTP	DEVICE ACTIONS	•			
Reports												
Open Data												
Bulk Data	Fiwoo - 20	118					() () y ii					

From both lists, it is easy to add a new device where you can use an existing template, add the name of the device, the entity name and the groups that you want your device be available for. Also, you can mark this device as public:

≡ FIWOO				Ľ	Add Device					25	Q (jordi@jiges
BB Dashboards					Glucometer T	emplate	~	Test Users Group A ×	3	V My Device	
IoT Management					Name of the	devic	Entity pame	Public			ADD DEVICE
Devices Templates		FILTER	DEVICES		Hume of the	. devic					O ACTIVE FILTERS
Business Intelligence		Edit/De	lete	Dev	Actions	Name	Template	Assets	Entity Publi	ansport Protocol	
E Statements		1		5afc	Ū	test	Glucometer Template	Test Users Group A	asdadas Yes	тр	
<u>)</u> User Management		1		5afc					SAV	E TP	DEVICE ACTIONS
P Rewards		1		5afc0	d031c2db50006	fdb264	Test User 3 Private	e, Not Shared Device	IoTA-UL	НТТР	DEVICE ACTIONS
Agenda		1		5afc0	d041c2db50006	fdb28f	Device - 62		IoTA-UL	нттр	
Reports		1		5afc0	d071c2db50006	fdb299	Device - 6			нттр	
Open Data		1		5afc0	d071c2db50006	fdb29b	Glucometer Script		IoTA-UL	НТТР	
Bulk Data	Fiwoo - 20	D18									() () y ()

From the list of devices, you can execute some device actions. Find here de list of this device actions when clicking the drop-down button:

≡ FIWOO								Q (j) jordi@jig.e	
Dashboards				Devices			My Devices		
IoT Management							ADD DEVICE		
Templates	FILTER DEVICES							1 ACTIVE FILTERS	
Business Intelligence		Edit/De	lete	Device id:	Name	Protocol	Transport Protocol	SEND COMMAND	
= Statements		P	Û	5afc0d021c2db50006fdb262	Test Device for modify	IoTA-UL	HTTP	CREATE STATEMENT SHOW ATTRIBUTES	
∬ User Management		1	١	5afc0d021c2db50006fdb261	Test User 3 Public Device	IoTA-UL	HTTP		
P Rewards		1	Û	5afc0d031c2db50006fdb264	Test User 3 Private, Not Shared Device	IoTA-UL	HTTP		
Agenda		1	Û	5b0cf3dcad25cc000a1fcba3	Testing4	IoTA-UL	HTTP		
Reports		P	Û	5b0d44ba522af3000527ca3f	TestAbraham	IoTA-UL	HTTP		
Open Data		1	Û	5b0e702ff801da0005158bb3	Name of Test Device:2931024r9nds	IoTA-UL	HTTP		
Bulk Data	Fiwoo - 2	018			ر آب			0 8 4 1	

It is easy to show the attributes of a device:

≡ FIWOO				Test User 3 Public Device	's attributes		0	×	Q D jordi@jiges
B Dashboards				Attribute	Value	Timestamp		My Devices	
loT Management				battery_level		2018-06-14 08:58:4	7		
Devices				mac_address	FABADAFABADA	2018-06-14 08:58:4	7		ADD DEVICE
Templates	FILTER DEVICES		reboot	reboot 2018-06-14 08:58:47		7		1 ACTIVE FILTERS	
Business Intelligence		Edit/Del	ete	Device id:	Name		Protocol	Transport Protocol	
∃ Statements		I		5afc0d021c2db50006fdb262	Test Device for modify		IoTA-UL	нттр	DEVICE ACTIONS
▲ User Management		1		5afc0d021c2db50006fdb261	Test User 3 Public Device		IoTA-UL	нттр	
P Rewards		ı		5afc0d031c2db50006fdb264	Test User 3 Private, Not Sh	ared Device	IoTA-UL	нттр	
Agenda		1		5b0cf3dcad25cc000a1fcba3	Testing4		IoTA-UL	нттр	
Reports		ı		5b0d44ba522af3000527ca3f	TestAbraham		IoTA-UL	нттр	
P Open Data		P		5b0e702ff801da0005158bb3	Name of Test Device:29310	024r9nds	IoTA-UL	нттр	
Bulk Data						_			
N	Fiwoo - 201	8							() () 🔰 in

Also, you can send commands directly from this list:

≡ FIWOO					Send command for Test ×			Q Q I jordi@jig.es
Dashboards IoT Management				Devices	Choose command V		My Devices	ND DEVICE
Devices Templates	F	FILTER D	EVICES		SEND			1 ACTIVE FILTERS
Business Intelligence	E	dit/Delet	te	Device id:		Protocol	Transport Protocol	
🗄 Statements		P		5afc0d021c2db50006fdb262	Test Device for modify	IoTA-UL	нттр	DEVICE ACTIONS
<u> 1</u> User Management		I		5afc0d021c2db50006fdb261	Test User 3 Public Device	IoTA-UL	нттр	DEVICE ACTIONS
P Rewards		1		5afc0d031c2db50006fdb264	Test User 3 Private, Not Shared Device	IoTA-UL	нттр	DEVICE ACTIONS
Agenda		/		5b0cf3dcad25cc000a1fcba3	Testing4	IoTA-UL	нттр	
Reports		/		5b0d44ba522af3000527ca3f	TestAbraham	IoTA-UL	нттр	
P Open Data		1		5b0e702ff801da0005158bb3	Name of Test Device:2931024r9nds	IoTA-UL	нттр	
Bulk Data	Fiwoo - 2018							•••

5.2 <u>Templates</u>

At the Templates section, you will find a list of all the available templates for your user. Here, you can filter, edit, delete or add new templates.

 → C 	latform.fiwoo.	eu/#/pages/t	templates					\$ ·	S 🔤 🤇
Aplicaciones 📃 PHPMYADMIN	GitHub - smar	t-fun/: 🏄 b	oluetooth - Pro	ogram 🔌 Android Bluetooth L 🖷 Bluetooth Low E	nerg 🚺 JSON Editor Online - Cb. Best Online HTML Vi	😕 Firebase console 🔌 Ci	reate scanning ani: 🕒 git-flow cheats	heet 🦲 AR/VR 📙 SDK 📒 S4C	
≡ FIWOO								Q jor	rdi@jig.e
Dashboards				Templates			My Templates	5	
loT Management								ADD TEMPLATE	
Devices									
Templates		FILTE	R TEMPL	ATES				0 ACTIVE FILTERS	
Business Intelligence		Action	15	Template id:	Name	Protocol	Entity Type	Transport Protocol	
		1	0	5afc0d021c2db50006fdb260	Private Template Test User 3	IoTA-UL	glucometer-type-1	HTTP	
Statements		1	0	5afc0d021c2db50006fdb263	Public Template Test User 3	IoTA-UL	glucometer-type-1	HTTP	
∩ User Management		1	1	5afc0d071c2db50006fdb29a	Glucometer Template	IoTA-UL	Thing	HTTP	
Powarde		P	Û	5afc0d081c2db50006fdb29c	Template - 7	IoTA-UL	Thing	HTTP	
T Rewards		P	Û	5afc0d0c1c2db50006fdb2ac	Template - 12	IoTA-UL	Thing	HTTP	
Agenda		P	Ű	5afc0d151c2db50006fdb2d8	Template - 23	IoTA-UL	health3	HTTP	
Departs		P	Û	5afc0d161c2db50006fdb2de	Template - 24	IoTA-UL	health3	HTTP	
Reports		P	0	5afc0d161c2db50006fdb2e0	Template - 25	IoTA-UL	health3	HTTP	
Open Data		P	1	5afc0d171c2db50006fdb2e2	Template - 26	IoTA-UL	temperature_entity	HTTP	
Bulk Data		P	1	5afc0d181c2db50006fdb2e4	Template - 27	IoTA-UL	Glucometer	HTTP	
y	Fiwoo - 2	2018			ۋ ب			00	9

It is easy to create and apply filters to the list of templates:

≡ FIWOO											۹ ۵	J jordi@jig.es
Dashboards				Templat	es				My Te	mplates		
loT Management										ADI	D TEMPLATE	
Devices Templates		FILTE	R TEMPLA	TES							1 ACTIV	E FILTERS
Business Intelligence		Name	lic		Protocol Protocol		Entity typ Entity	e type		Transport Pr	rotocol t Protocol	
∃ Statements		Owner	id		Attribute							
∬ User Management		Ow	ner		Attribute		Publi	c				
igvee Rewards											RESET	APPLY
Agenda		Action	IS	Template id:		Name		Protocol	Entity Type		Transport Protocol	
Reports		/	Ŵ	5afc0d021c2db50006fdb26	3	Public Template Test User 3		IoTA-UL	glucometer-type	-1	HTTP	
Open Data												
Bulk Data	Fiwoo - 20	18				- P)					001
M Nata Drivaru												с у у у ш

Also, you can list just your templates using the "My Templates" tab:

≡ FIWOO								Q Q	J jordi@jig.es
Dashboards				Templates			My Ter	nplates	
loT Management								ADD TEMPLATE	
Devices Templates		FILTER T	EMPLATE	3				0 ACTIVE	FILTERS
Business Intelligence		Actions		Template id:	Name	Protocol	Entity Type	Transport Protocol	
- Ctatements		/		5b0ff8b07b35000007fd4cfe	testinga	IoTA-UL	adasdasas	MQTT	
: Statements		1	Ŵ	5b0ff8bc7b35000007fd4cff	asdasads	IoTA-UL	adsad	HTTP	
∬ User Management		/	Û	5b0ff8cd7b35000007fd4d00	testing6	IoTA-UL	asdadsa	HTTP	
\mathbf{P} Rewards		1		5b0ffab87b35000007fd4d02	tesitng77	IoTA-UL	adadasdda	HTTP	
Agenda									
Reports									
Open Data									
Bulk Data					_				
Data Privary	Fiwoo - 20)18			단				0 🕈 🖬

When adding a new template you must introduce all the parameters and properties of the template:

FIVOO		Add template		н	
Dashboards		Name of the template	Add naw property	My Templates	
		Name of the template	Choose property	my remptates	
lo I Management		Entity Type	Choose property V		ADD TEMPLATE
evices		Entity Type	Name (property's name)		
mplates	FILTER TEMPLATES	Protocol	Name		1 ACTIVE FILTERS
Business Intelligence	Name	IoTA-UL V	Туре	Transpo	rt Protocol
busiless interagence	public	Transport Protocol	Choose one type V	Trans	
Statements	Owner Id	HTTP V			
		API Key	RESTART ADD PROPERTY		
User Management		API Key		_	
⁷ Rewards		Public CKAN	CHINO S3		RESET APPLY
Agenda	Actions Tem	COMMAND	ATTRIBUTE	ntity Type	Transport Protocol
Reports	/ 🗊 5afct			ucometer-type-1	нттр
		LAZY	STATIC ATTRIBUTE		
upen Data					
Bulk Data					

Find here an example of a filled template:

= FIWOO		Add template	н	Q jordi@jiges
88 Dashboards		Name of the template New template	Add new property Choose property	My Templates
IoT Management		Entity Type	Command	ADD TEMPLATE
Templates	FILTER TEMPLATES	Protocol	Object ID (Max 3 letters)	1 ACTIVE FILTERS
Business Intelligence	Name	IoTA-UL V	Name (property's name)	Transport Protocol
🗮 Statements	Owner id	MQTT	Туре	
<u> U</u> ser Management			boolean V	
P Rewards			RESTART ADD PROPERTY	RESET
Agenda	Actions Tem	P Public 🗸 CKAN	CHINO S3	ntity Type Transport Protocol
Reports	iii 5afc	COMMAND	ATTRIBUTE	ucometer-type-1 HTTP
Open Data		·	power X	
Bulk Data	Fiwoo - 2018	LAZY	STATIC ATTRIBUTE	() () y ()
Data Drivagu				

6 Business Intelligence

The business intelligence allows the users to upload different data models and look for the recommendations for the actual use cases: routes for traffic and predictions for the glucose and other health parameters.

6.1 Models

From the list of models, you can filter through name and type. From this screen you can also delete existing models, set as default, register model and test model:

≡ FIWOO					Q ()	J jordiājig.es
B Dashboards	Models			REGISTER MODEL	TEST MO	DEL
Business Intelligence	Actions	Name	Туре			
_		Name	Туре			
Models Routes	Ŵ	glucosaOpenData	Python		SET AS DEFAULT	
Prediction	١	GlucosaChi	Python		SET AS DEFAULT	
:= Statements	Û	Sarimax	Python		SET AS DEFAULT	
\P Rewards						
Agenda						
Reports						
Open Data						
Bulk Data	Fiwoo - 2018					0 8 9 6

To register a model, you must upload the file, choose a name, a type and add the parameters to use the model:

= FIWOO		Register model		н	Q Diordi@jiges
B Dashboards	Models	Name of the model	Model type Choose model type	~	TEST MODEL
Business Intelligence	Actions	Upload the script	r push here to import		
Models Routes Prediction		gil File name Size	e Actions		SET AS DEFAULT
🗄 Statements		Gli No data found Parameters to use the model			SET AS DEFAULT
<u>♪</u> User Management ♥ Rewards		New parameter		ADD	
Agenda				SAVE	
Reports					
Bulk Data	Fiwoo - 2018		C?		•••••••••••••••••••••••••••••••••••••

You will be also able to test a model within the Platform:

		Test model		н	a la
B Dashboards	Models	Choose model to test			TEST MODEL
IoT Management					
Business Intelligence	Actions	Na RUN			
Models		Output of model			
Routes		glu			SET AS DEFAULT
Prediction		Gli			SET AS DEFAULT
∃ Statements					
<u>∬</u> User Management		Sarimax	Python		SET AS DEFAULT
\P Rewards					
Agenda					
Reports					
open Data					
Bulk Data	Fiwoo - 2018		r L		0 6 7 6

6.2 Routes

For the first use case, the can calculate normal routes choosing a start and end point and the mode to do the route (walking, by bike, by car...).



It also allows to calculate smart routes indicating the date and the time you are planning to do the route:



6.3 Predictions

For the second use case, choosing the device for the business intelligence prediction (for example, a glucometer), you will be able to see all the historic values but also to know the prediction of the chosen parameter.



7 Statements

From the statements screen, you can access to all the statements already created on the Platform and you can list it, modify, delete and add new statement.

≡ FIWOO						Q (j) jordiājig.es
B Dashboards	Statements				_	ADD STATEMENT
loT Management						
Business Intelligence	Actions	Rule Id	User Name	Rule Name	Rule Description	Orion Id
Ų		Rule Id	User Name	Rule Name	Rule Description	Orion Id
∃ Statements	/ D	NjluMA_New_TESTing_Rule	NjluMA	New_TESTing_Rule	adadsa	5b0be837ea0cd64ec6f975c8
0 User Management	/ <u></u>	NjluMA_Prueba	NjluMA	Prueba	Prueba8	5b042ebaea0cd64ec6f972af
2 0	/ <u>0</u>	NjluMA_Prueba_JIG	NjluMA	Prueba_JIG	Prueba JIG	5b03da79ea0cd64ec6f97291
♀ Rewards	/ <u></u>	NjluMA_Prueba_tocha2	NjluMA	Prueba_tocha2	"lolololo"	5b056c59ea0cd64ec6f972d0
Agenda	/ <u>0</u>	NjluMA_test	NjluMA	test	adda	5b0bfddcea0cd64ec6f975e2
	/ <u></u>	NjluMA_test2	NjluMA	test2	adda	5b0bfe05ea0cd64ec6f975e3
Reports	/ 🛈	NjluMA_TESTING	NjluMA	TESTING	asdasd	5b0c2841ea0cd64ec6f975e4
Open Data						
Bulk Data						
📎 Data Privacy						
Forum	Fiwoo - 2018					009

Once you choose to add an statement, you will be able to add an statement in an expert mod and in a basic mode:

≡ FIWOO		New statem	ent		×	Q () jordiĝijges
Dashboards	Statements					ADD STATEMENT
Business Intelligence	Actions	Rule Id	EXPERT MODE	BASIC MODE	scription	Orion Id
W Dusiness intelligence		Rule Id			scription	
≣ Statements	/	NjluMA_New_1E51ing_Rule	NJIUMA	New_1ESTing_Rule	adadsa	5b0be837ea0cd64ec6f975c8
	/ 0	NjluMA_Prueba	NjluMA	Prueba	Prueba8	5b042ebaea0cd64ec6f972af
	/ 0	NjluMA_Prueba_JIG	NjluMA	Prueba_JIG	Prueba JIG	5b03da79ea0cd64ec6f97291
♀ Rewards	/ 0	NjluMA_Prueba_tocha2	NjluMA	Prueba_tocha2	"Iolololo"	5b056c59ea0cd64ec6f972d0
Agenda	/ 0	NjluMA_test	NjluMA	test	adda	5b0bfddcea0cd64ec61975e2
	/ 0	NjluMA_test2	NjluMA	test2	adda	5b0bfe05ea0cd64ec6f975e3
Reports	/	NJIuMA_TESTING	NjluMA	TESTING	asdasd	5b0c2841ea0cd64ec6f975e4
Open Data						
Bulk Data						
Data Privacy						
C Forum	Fiwoo - 2018					0 5 9 6

7.1 Expert Mode

Statements in expert mode must be written directly the EPL code on the platform:

= FIWOO				Add statemen	t (Expert Mode)		н		
B Dashboards	Statem	nents		Description					ADD STATEMENT
loT Management									
Business Intelligence	Actio	ins	Rule Id					scription	Orion Id
W Business intelligence			Rule Id					scription	
∃ Statements	1		NjluMA_New_	Statement					5b0be837ea0cd64ec6f975c8
0 User Management	1		NjluMA_Prueb						5b042ebaea0cd64ec6f972af
~ ~	1		NjluMA_Prueb					ЛG	5b03da79ea0cd64ec6f97291
	1		NjluMA_Prueb						5b056c59ea0cd64ec6f972d0
Agenda	1		NjluMA_test				SAVE		5b0bfddcea0cd64ec6f975e2
	1		NjluMA_test2						5b0bfe05ea0cd64ec6f975e3
Reports	1		NjluMA_TESTI	NG	NjluMA	TESTING	asdas	d	5b0c2841ea0cd64ec6f975e4
Open Data									
Bulk Data									
Data Privacy									
G Forum	Fiwoo - 2018								0 S ¥ 6

7.2 Basic Mode

For the non-expert users, it is easy to create some statements for devices choosing conditions and actions to do:

= FIWOO				Add statement (Basic Mode) 24		Q 📮 🗍 jordi@jiges
B Dashboards	Statemer	nts		Name of the statement		ADD STATEMENT
IoT Management				Description		
Business Intelligence	Actions		Rule Id		scription	Orion Id
ų				Choose device 🗸	scription	
⊞ Statements	1		NjluMA_New_			5b0be837ea0cd64ec6f975c8
Q User Management	1		NjluMA_Pruet	Conditions		5b042ebaea0cd64ec6f972af
	1		NjluMA_Pruet	ADD CONDITION	лg	5b03da79ea0cd64ec6f97291
P Rewards	1		NjluMA_Pruet		•	5b056c59ea0cd64ec6f972d0
Agenda	1		NjluMA_test			5b0bfddcea0cd64ec6f975e2
-	1		NjluMA_test2	Actions to do		5b0bfe05ea0cd64ec6f975e3
Reports	1		NjluMA_TEST	ADD ACTION		5b0c2841ea0cd64ec6f975e4
Open Data						
Bulk Data				enje		
📎 Data Privacy				SAVE		
O Forum	Fiwoo - 2018			E1		00 4 6

Find here some statements already filled with different devices and attributes:

≡ FIWOO		Add statement (Basic Mode) **	Q jordi@jiges
B Dashboards	Statements	New statement	ADD STATEMENT
IoT Management		Description	
Business Intelligence	Actions Rule Id		scription Orion Id
= Statements	/ Till NiluMA New		5b0be837ea0cd64ec6f975c8
	MiluMA_Prue	Conditions	5b042ebaea0cd64ec6f972af
🔬 User Management	i NjluMA_Prue		JIG 5b03da79ea0cd64ec6f97291
igvee Rewards	🥒 前 NjluMA_Prue		5b056c59ea0cd64ec6f972d0
	MiluMA_test		5b0bfddcea0cd64ec6f975e2
Agenda	/ 🕅 NjiuMA_test2		5b0bfe05ea0cd64ec6f975e3
Reports	/ 🕅 NjiuMA_TEST		5b0c2841ea0cd64ec6f975e4
Corres Data		Actions to do	
• Open bata			
Bulk Data		Update device attribute	
为 Data Privacy		Antwerp0_Group8 VOCLevel V	
Corum	Fiwoo - 2018		
C. Fordin		ADD ACTION	
= FIWOO		C02Level V > V 100	C C I proteiliges
B Dashboards	Statements	ADD CONDITION	ADD STATEMENT
loT Management			
	Actions Rule Id		scription Orion Id
W Business intetugence		Actions to do	scription Orion Id
i≣ Statements	/ 🕅 NjluMA_New	Public tweet	5b0be837ea0cd64ec6f975c8
R User Management	NjluMA_Prue		5b042ebaea0cd64ec6f972af
	NjluMA_Prue	New tweet!	JIG 5b03da79ea0cd64ec6f97291
P Rewards	/ 🕅 NjluMA_Prue		5b056c59ea0cd64ec6f972d0
Agenda	/ 🕅 NjluMA_test	Send device command	5b0bfddcea0cd64ec6f975e2
	/ 🕅 NjluMA_test		5b0bfe05ea0cd64ec6f975e3
Reports	/ 🕅 NjluMA_TES	Temperature command v ping v 100	5b0c2841ea0cd64ec6f975e4
Open Data			
Bulk Data		ADD ACTION	
📎 Data Privacy			

8 Users Management

The user management could be done in the following three aspects: Users, Roles and Groups.

8.1 Users

Depending on your privileges, you will be able to list and manage the users of the platform. On the list, you can filter by name, email, name, surname, role and group. Also, you can edit or delete a user directly from the list.

≡ FIWOO						Q jordi@jig.es
Dashboards	Users					ADD USER
loT Management						
Business Intelligence	Actions	Email:	Name	Surname	Role	Groups
		Email:	Name	Surname	Role	Groups
📃 Statements	/ Ü	carlos@secmotic.com	Carlos	Corrales	Administrator Patient	None
	/ Ü	vrico@emergya.com	Vladi	Rico	Administrator	None
licare	/ Ū	fiwoo.platform@gmail.com	Timo	Ruohomäki	Administrator	Test Users Group A ICT
Roles	/ Ü	fiwoo.platform.dev@gmail.com	Natalia	Reen	Administrator	Test Users Group B
Groups	/ 1	tester1.fiwoo@gmail.com	Gert	De Tant	Citizen	Test Users Group A
igvee Rewards	P 🛈	tester2.fiwoo@gmail.com	Katrien	Lanaert	Citizen	Test Users Group B
itte annata	Ø - Ü	tester3.fiwoo@gmail.com	Jonas	Breuer	Patient Citizen	Test Users Group A
Agenda	/ Ü	tester4.fiwoo@gmail.com	Susie	McAleer	Patient Citizen	Test Users Group B Test User Parent Group
Reports	/ İ	rcarball@emergya.com	RaFoss	Ee	Administrator	None
Open Data	1	jordi@jig.es	jordi	JIG	Administrator Patient Doctor	Test Users Group A Asset Hijo Asset Padre
Bulk Data	Fiwoo - 2018			- با		Ç S ¥ 🖬

Using the "Add User" button, you can easily create users introducing the personal data and the role, group and access credentials to the platform:

≡ FIWOO		Add User	Add User #			Q D jordiĝiges
B Dashboards	Users	Name	Name Choose role			ADD USER
IoT Management		Surname		Choose groups	~	
Business Intelligence	Actions Email:			Data of Dist.		Groups
ų v		Email		Date of Birth		
🗮 Statements	/ 🕅 carlos@secm	Phone		Password	Patient	None
<u> </u>	/ iii vrico@emerg	Choose gender	~	Confirm password		None
Users	/ 🕅 fiwoo.platform	n				Test Users Group A ICT
Roles	/ 🕅 fiwoo.platfor	n.			SAVE	Test Users Group B
Groups	/ 🕅 tester1.fiwoo	@				Test Users Group A
P Rewards	/ 📋 tester2.fiwoo	@gmail.com Katrie	n	Lanaert	Citizen	Test Users Group B
in the second se	/ 🕅 tester3.fiwoo	@gmail.com Jonas		Breuer	Patient Citizen	Test Users Group A
Agenua	/ 🕅 tester4.fiwoo	@gmail.com Susie		McAleer	Patient Citizen	Test Users Group B Test User Parent Group
Reports	/ 🕅 rcarball@emw	rgya.com RaFos	35	Ee	Administrator	None
Open Data	/ 🗊 jordi@jig.es	jordi		JIG	Administrator Patient Doctor	Test Users Group A Asset Hijo Asset Padre
Bulk Data	Fiwco - 2018					00 9 1

8.2 Roles

Listing all the roles, you can see all the resources that the users with that role are able to access. You filter by name, description or resources and also you can edit, add or delete some of the existing roles:

≡ FIWOO				Q (j) jordiājijges
B Dashboards	Roles			400 001 F
loT Management				
Business Intelligence	Actions	Name:	Description:	Resources
		Name:	Description:	Resources
5tatements				Get meetings Get event. Pool event. Update event. Debete event. Accept event. Revola event. Get devices Get historis devices (Balk devices import) Dak historia data import. Get open data. Balk packages import
<u>)</u> User Management				But resources import: But kaps import: But kaps import Get di Jacos prediction (Get production el glucose) Intelligient escolargi tal'optici. Hormal Rock: Updata nen mode i Rockov model passas la query parameter Set a model an defauit Rock effauit mode i Roca a model passa in the book? Get Est of models i Get reply chatbot
Users				Creates a new wallet Returns the current currency quantity of a given wallet Transfers a quantity to another wallet List dashboards Post dashboard Get dashboard by Id Search Dashboards Update dashboard Delete Dashboard
Roles				Get dashboards widgets Post widget to a dashboard All widgets Get widget in dashboard Update widget's dashboard Delete widget Get user measurents with date Get measurements of a user passed as parameter with date
Groups				Get user measurements from date Get measurements of a user passed as parameter from date Cat measurements of a user passed as narameter from date until date. Dat user measurements from date until date 1.4d measurements of a user passed as narameter from date until date.
\mathbbm{P} Rewards				Create user patients: O whele user patients: (Create user other): O belies user others: O more the measures of a user Debits user measures from data (D belies measures of a user passed as parameter from data). (D belies user measures und) data Debits user measures from data): (D belies measures of a user passed as parameter from data). (D belies user measures und) data Debits measures of a user of user as under the measure of a user passed as parameter from data). (D belies user measures und) data (D belies user measures from data): (D belies user demonstration) data): Debits measures of a user and the measure data and the data and the measures and the data data.
Agenda				Center instances of a superson as parameter from data sum is center instances instances and sum in Center instances of a sure passed as granmeter from data und data (i cet danaly mag) (i cet danaly mag revers). Det devices Cet my devices (Cet temptates) (int Nation's) (int danaly cet data) (int danaly mag) (int danaly mag revers). Det devices Cet my devices (Cet temptates) (int Nation's) (int danaly cet data) (int data) (i
Reports	1	Administrator	Administrator role	Conservations (United To Control of Control
Open Data				Uninformative and provide the second
Bulk Data	Fiwoo - 2018		وات 1	0 0 9 10

Using the "Add Role" button you can easily add new roles typing the name of the role, the description and the resources attached to that role:

≡ FIWOO			Add Role			и	Q Diordi@jig.es
Dashboards	Roles		Name				ADD ROLE
IoT Management	Actions	Name:	Description				
Business Intelligence			Choose resource	3		~	
: Statements							te event Delete event Accept event Revoke event Get devices alk historic data import Get open data Bulk packages import
<u> </u> User Management						SAVE	Ik groups import Get glucose prediction Get prediction of glucose outo Upload new model Remove model passed as query parameter Ion a model passed in the body Get fist of models Get reply chattbot
Users Roles Groups						Creates a new wallet Returns the current or List dashboards Post dashboard Get das Get dashboard's widgets Post widget to a Delete widget Get user measurents until d Get user measurements from data Get me Cat measurements of an exercise to reserve to a new	energy particular (af a provincial) (Transform a provincy have been determined) standards (af a provincial) (af a provincial and a provincy have been determined standards) (af a provincial) (af a provincial and a provincial and a provincial and a determined and a provincial and a provincial and a provincial and a standards) (af a provincial and a provincial and a provincial and a provincial and a standards) (af a provincial of provincial and a provincial and a provincial and a standards) (af a provincial of provincial and a provinci and a
P Rewards						Create user patient Delete user patient C Delete user measures from date Delete me Delete measures of a user passed as parame	Treate user doctor Delete user doctor Remove the measures of a user assures of a user passed as parameter from date Delete user measures until date eter until date Delete user measures from date until date
Agenda						Delete measures of a user passed as parame Get my devices Get templates Get histor Update device Delete device Get my tem	eter from date until date Get density map Get density map reverse Get devices ins Get device Get attribute Get attributes Update attributes Create devices plates Get template Create template Update template Delete device
Reports	/ Ü	Administrator		Administrator role		Create chino Upload S3 Get rules Add Modify an advanced rule Modify a basic ru Find notification request by sender Find no	rule Add basis rule Belete rule Deletes all rules of the user de Get advanced rule Get basis rule Geoserver Geoserver Push notifications offication request by admin Set notification as readed Find notifications
💮 Open Data						Find notifications by sender Find notification in the find notification is the first tags for the first tags for the first sender for the first sender is the first se	ions by admin Create vocabulary Link vocabulary Delete vocabulary Create tag Det tag Delete tag Create group Link group Get group Update group
Bulk Data	Fiwoo - 2018				<u>ب</u>		() () () ()

8.3 Groups

Users could belong to groups to be classified. The list of groups includes the name, description, type, parent and children. From this screen, you will be able to edit, delete or add a new group:

≡ FIWOO						Q (jordi@jig.es		
B Dashboards	Groups	Groups ADD GROUP						
loT Management	An group is a set For example, Neig	of users with which resources are share	d. Groups can have children (subgroups) to live in a certain area and be parent of S	and/or parents (supergroups) to easily a treet1 and child of City1.	llow or restrict access.			
= Statements	Actions	Name	Description	Туре	Parent	Children		
∬ User Management	1	Name Example Asset	Description Example of an Asset	Туре	Parent	Children		
Users		Asset Hijo	none	Building	None	None		
Roles Groups			≪ ≪	1 2 3 4 > »				
$\mathbf{\mathbf{\nabla}}$ Rewards								
Agenda								
Reports								
Open Data								
Bulk Data	Fiwoo - 2018			تي ا		() () y ii		

When adding a new group, you will be able to add the name of the group, the description, type, parent and children:

≡ FIWOO			Add Group		×	Q Q iordi@iges
B Dashboards	Groups		Name	Choose childrens	~	ADD GROUP
IoT Management	An group is a set of	users with which	Description	Choose parent	✓ strict access.	
Business Intelligence	For example, Neighb	oorhood1 can ir	Туре			
🗮 Statements	Actions	Name			t	Children
<u> </u> User Management	/	Example Ass			SAVE	None
Users		Asset Hijo	none	Building	None	None
Roles Groups			K	< 1 2 3 4 ×	*	
Ψ Rewards						
Agenda						
Reports						
🕞 Open Data						
Bulk Data	Fiwoo - 2018					() () 🔰 🖬

9 Rewards

The blockchain rewards service includes two kind of sections: My Wallet (for the user rewards) and Transactions to see all the rewards transactions:

9.1 <u>My Wallet</u>

Users are able to create a wallet inside FIWOO to store the received cryptocurrencies. It can be easily create introducing the user private key:

≡ FIWOO		٩ ۵	J jordi@jig.es
Dashboards	Create your Wallet		
IoT Management	The first step to receiving rewards is to create a wallet to store the received cryptocurrencies. To create your wallet, enter your private key and click on the "Create Wallet" button.		
E Statements	Enter your private key		
∬ User Management	The private key has a minimum length of 8, is recommended that it contain, letters, numbers and special characters.		6
$\mathbf{\nabla}$ Rewards	CREATE WALLET		
My Wallet Transactions			
Agenda			
Reports			
Open Data			
Bulk Data	Fiwee - 2018		
Nata Privary			

Once created you can check your balance and all the transactions of the personal account:

≡ FIWOO				Q (jordi@jig.es
Dashboards	VOUR BALANCE	i		
Business Intelligence	Transactions			
Statements	ID	Date	Amount	Reason
O Hear Management	ID	Date	Amount	Reason
<u><u> </u></u>	154	May 31, 2018, 1:24:14 PM	► 5 WooCoins	asdasda
P Rewards	81	May 23, 2018, 5:17:10 PM	▲10 WooCoins	Otro diezmo
My Wallet	80	May 23, 2018, 3:48:46 PM	▲ 10 WooCoins	Diezmo para el Marques
Transactions				
Reports				
P Open Data				
Bulk Data				
Nata Privacy	Fiwoo - 2018	ب 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		() () 🔰 🖬

9.2 Transactions

For the users with roles of administrators, they will be able to access to see all the transactions filtering by ID, date, amount and reason:

≡ FIWOO				○ ↓ jordi@jig.es
Dashboards	Transactions			
loT Management				
Business Intelligence	ID	Date	Amount	Reason
V	ID	Date	Amount	Reason
Statements	163	Jun 13, 2018, 2:59:23 PM	▲ 13 WooCoins	Subject 1528894762830
Ω User Management	162	Jun 13, 2018, 2:58:06 PM	▲13 WooCoins	Subject 1528894685829
22	161	Jun 13, 2018, 2:56:49 PM	▲ 13 WooCoins	Subject 1528894608830
P Rewards	154	May 31, 2018, 1:24:14 PM	◆5 WooCoins	asdasda
My Wallet	153	May 31, 2018, 12:52:26 PM	► 2 WooCoins	Why not?
Transactions	152	May 31, 2018, 8:52:24 AM	▲ 3 WooCoins	You deserve it!
Agenda	151	May 31, 2018, 8:46:44 AM	▲1 WooCoins	See what happens
	150	May 31, 2018, 8:46:27 AM	▲1 WooCoins	See what happens
Reports	149	May 31, 2018, 8:31:59 AM	► 3 WooCoins	Test
Open Data	148	May 30, 2018, 8:18:48 PM	▲ 12 WooCoins	test
∬ Butk Data	Fiwoo - 2018	(<u>_</u>]	0 6 🛩 🖻
Data Privary		· · · · · · · · · · · · · · · · · · ·		() 0

Also, you can add a new transaction for any user choosing the amount of coins to add or decrease at the reason:

= FIWOO		New Transaction	н	Q Diordi@lig.es
Bashboards	Transactions	Choose user	~	NEW TRANSACTION
IoT Management		0	÷ WOOCOINS	
Business Intelligence	ID			Reason
¥		Reason		
⊞ Statements	163			Subject 1528894762830
0 User Management	162		SAVE	Subject 1528894685829
25	161			Subject 1528894608830
P Rewards	154	May 31, 2018, 1:24:14 PM	★5 WooCoins	asdasda
My Wallet	153	May 31, 2018, 12:52:26 PM	*2 WooCoins	Why not?
Transactions	152	May 31, 2018, 8:52:24 AM	+3 WooCoins	You deserve it!
Agenda	151	May 31, 2018, 8:46:44 AM	▲1 WooCoins	See what happens
	150	May 31, 2018, 8:46:27 AM	▲1 WooCoins	See what happens
Reports	149	May 31, 2018, 8:31:59 AM	A 3 WooCoins	Test
Open Data	148	May 30, 2018, 8:18:48 PM	▲12 WooCoins	test
Rulk Data				
	Fiwoo - 2018		r.	0 6 7 6

10 Agenda

The Agenda service allows you to add new events, see the scheduled calls and join the meeting via streaming:

≡ FIWOO				Q ↓ jordi@jig.es
Bashboards	Streaming	DUIT33M NIOL	G Agenda	ADD EVENT
IoT Management				
			Mo Tu	We Th Fr Sa Su 1 2 3
E Statements			4 5 11 12	6 7 8 9 10 13 14 15 16 17
<u> </u>			25 26	20 21 22 23 24 27 28 29 30
♀ Rewards My Wallet			Scheduled calls for 2018-	06-14
Transactions			13:30 New event 🥒 🗊	
Agenda				
Reports				
Open Data				
1 DUIK Data	Fiwoo - 2018	CT CT		0 5 7 6

10.1 Add event

You can easily create new events easily choosing guests and schedules:

≡ FIWOO		Add Event 2		Q (jordi@jig.es
Bashboards Iot Management Iot Agenda Iot Management Iot Agenda Iot Agenda	Streaming	Description New event Streaming Url (Has to be something like https://jtsi.fivoo.eu/yourMeeeting) https://jtsi.fivoo.eu/settingMeeting Choose guests Streaming date IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Agenda	ADD EVENT
	Fiwco - 2018	en e		() () y 🖬

10.2 Join Meeting

You can easily choose a meeting room to join the different meetings:

		Join Meeting		
B Dashboards	Streaming	Choose a meeting room to join it	Agenda	ADD EVENT
IoT Management		New event / https://jitsi.fiwoo.eu/testingMeeting (2018-06-14 13:30:00)	_	
Business Intelligence		NIOL		< Jun
⊞ Statements				4 5 6 7 8 9 10 11 12 13 14 15 16 17
<u> </u> User Management				18 19 20 21 22 23 24 25 26 27 28 29 30
\P Rewards				
My Wallet			Scheduled call	s for 2018-06-14
Transactions			13:30 New event	
Agenda				
Reports				
© Open Data				
Bulk Data				
	Fiwoo - 2018	C(7)		00 9 6

Once inside the meeting room, it will be easy to chat and talk using the camera and the microphone of the computer:



II Reports

At this version of the app, you will be able to generate reports about the devices and the different parameters, choosing starting and ending dates:

≡ FIWOO			Q D	J jordiājig.es
loT Management	Devices Reports			
Business Intelligence	Devices Reports			
= Statements	Choose device	Choose device first		
∬ User Management	yyyy-mm-dd	jyyyy-mm-dd		
\mathbbm{P} Rewards	GENERATE			
Agenda				
Reports				
Devices Glucose Prediction				
Open Data				
Bulk Data				
📎 Data Privacy				
O Forum	Fiwoo - 2018	<u>ب</u>		00 🖉 🖬

Also, the platform allows you to generate reports about glucose prediction:

≡ FIWOO			Q Q	T tester3.fiwoo@gmail.com
Bashboards	Glucose Prediction			
IoT Management	Glucometer Chino script	~	glucosa	~
Statements	yyyy-mm-dd		yyyy-mm-dd	Ð
∬ User Management	GENERATE			
$\mathbf{\Psi}$ Rewards				
Agenda				
Reports				
Devices Glucose Prediction				
Open Data				
Bulk Data	Fiwoo - 2018	ب ب		() () y ii

12 Open Data

At the Open Data screen, you will be able to see at the same page all the open data available at the FIWOO platform. You have also the possibility of search inside the open data collection:



≡ FIWOO					ter3.fiwoo@gmail.com
B Dashboards	Open Data fiwoo	CONNECT TO CKAN		NEW DATASET	
Business Intelligence	SEARCH H	Supermarket surplus 04122018	< Previous	2 Next » Supermarket surplus 31052018	Û
<u>♪</u> User Management ? Rewards	Write something SENO	represented Test Supermarket		Reprinted FIWOO Supermarket surplus 31/05/2018	
Agenda	Helsinki bus service datas			1692	
Open Data	helsinki public transport statistical	Jun 14, 2018 testing with tag	Fiwoo	Jun 14, 2018 Papiermand Antwerp	Fiwoo
Bulk Data	supermarket testing transport			datas Papiermand Antwerp For test	
O Forum	Fiwoo - 2018	ات ات			() () y in

Clicking on the tags, you can filter the collection of open data easily:

≡ FIWOO				Q þ	T tester3.fiwoo@gmail.com
Dashboards IoT Management	Open Data fivoo	×	CONNECT TO CKAN	NEW	DATASET
Business Intelligence	SEARCH ×			1 Next »	
E Statements	Helsinki SEND	New DATA SET testing	Ŵ	Papiermand Antwerp	Û
∬ User Management		Helsinki datas helsinki description		datas Papiermand Antwerp For test	
P Rewards	TAGS	CSV		Pepiermand Antwerp For test	
Agenda	datas X Helsinki				
Reports	bus service helsinki	Jun 14, 2018	Fiwoo	Jun 14, 2018	Fiwoo
Open Data	public transport statistical	My test	1		
Bulk Data	supermarket testing	datas			
Data Privacy	transport	My test description	-0		0.045
O Forum	Fiwoo - 2018				() () 🖌 🖿

Also, the screen offers you the possibility to add a new CKAN collection:

C

≡ FIWOO		New CKAN Connection #		Q D te	ster3.fiwoo@gmail.com
Dashboards IoT Management	Open Data Gwoo	Name New Ckan URL	CKAN	NEW DATASET	
Business Intelligence	SEARCH ×	https://urltockan.com	« Previous	1 2 Next »	
🗮 Statements	Write something SEND	Supermark CONNECT!	Û	Supermarket surplus 31052018	
∬ User Management		supermarket		supermarket	
P Rewards	TAGS	Test Supermarket		FIWOO Supermarket surplus 31/05/2018	
Agenda	Helsinki bus service				
Reports	datas helsinki	Jun 14, 2018	Fiwoo	Jun 14, 2018	Fiwoo
Open Data	public transport statistical	testing with tag		Papiermand Antwerp	
Bulk Data	supermarket testing	testing		datas	
🚡 Data Privacy	transport			Paplermand Antwerp For test	
C Forum	Fiwoo - 2018	ې لت			00 5

Also, you can easily add new datasets adding tag, descriptions, organization, licenses... and choosing the files with the data:

≡ FIWOO		New Dataset			C C tester3.five	o@gmail.com
Dashboards IoT Management	Open Data fiwoo	Name Open Data's name Tags			NEW DATASET	
Business Intelligence	SEARCH	Choose Tags		✓ ADD NEW TAG	lext »	
∷ Statements		Description Open Data's description			ermarket surplus 31052018	
<u> N</u> User Management					market	
P Rewards	TAGS	Resources			IO Supermarket surplus 31/05/2018	
Agenda	Helsinki	Drop	files or push here to add Res	ources		
Reports	datas helsinki	File name	Size	Actions	4, 2018	Fiwoo
Open Data	public transport	License	Organizatio	n	ermand Antwerp	
Bulk Data	supermarket	Choose License	✓ Choose C	irganization V		
📎 Data Privacy	transport				ermand Antwerp For test	
	Fiwoo - 2018			CREATE OPEN DATA	0	() 🎽 in

I3 Bulk Data

Within the Bulk Data section you will be able to import and export devices data and open data in different formats like JSON, CSV or XML:

13.1 Device import export

≡ FIWOO					a p (⊤) tester3.fiwoo@gmaiLcom
loT Management						
Business Intelligence	Data Export			Data Import		
Statements	Select data type DEVICES	HISTORICS		DEVICES	HIS	TORICS
Ω User Management	Device			Upload Bulk Data File (JSON or XML)	arro to add a filo	
P Rewards	Device - 6-testdevice2 ×		~			
Agenda	JSON CSV			File name devices_bulk_data (17).json	Size	Actions
Reports	○ XML		_			
Open Data	-	EXPORT	-	IMPC	RT	
Bulk Data						
Devices Open Data						
🖒 Data Privacy						
	Fiwoo - 2018		ر]۔ ا			00 9

13.2 Open Data import export

FIWOO					Q	🗘 (T) teste
oT Management	Data Export			Data Import		
Business Intelligence	Select data type			PACKAGE	TAG	RES
	PACKAGE		RESOURCE	Upload Bulk Data File (JSON or XM	/L)	
ments	Search					
Management	HelsinkiResource				Drop file or push here to add	a file
	Format					
Is	 JSON 			File name	Size	Actions
	⊖ csv			No data found		
	⊖ XML					
				Unload Deserves Files		
		EXPORT		Opioad Resource Files		
ata				D	rop file or push here to add a r	esource
sta				File name	Size	Actions
				No data found		
e e e e e e e e e e e e e e e e e e e						
icy					MPURI	
	Fiwoo - 2018		ٹ <u>ل</u> ے			

14 Data privacy

FIWOO is totally GDPR compliance. Inside the platform, the user could authorize FIWOO to use the user data and her/his activity. The data are structured in two sections: Personal Data and Sensitive Data. In this section the user can authorize or revoke permissions to use personal data in every section of the Platform. At this data privacy section you will have 3 buttons to remove historic, remove device data and forget me (to remove all the saved information).

14.1 Historical Data

List of the historical data info and the service that is using the information:

≡ FIWOO				Q. (j.	J jordi@jig.es
W Business Intelligence					
	Data Privacy			UPDATE D	NTA
<u>)</u> User Management		HISTORIC	AL DATA INFO ACCESS		
P Revente	Date	Field	Service	Endpoint	
T Rewards	Jun 14, 2018, 10:10:16 AM	email	notifications	notifications_send_email_to_user	
Agenda	Jun 14, 2018, 10:09:27 AM	date_of_birth	agenda	agenda_list_users_create_event	
Reports	Jun 14, 2018, 10:09:27 AM	gender	agenda	agenda_list_users_create_event	
- Indiana	Jun 14, 2018, 10:09:27 AM	phone	agenda	agenda_list_users_create_event	
Devices	Jun 14, 2018, 10:09:27 AM	surname	agenda	agenda_list_users_create_event	
diacose prediction		« < 1	7 3 4 > »		
Open Data					
Bulk Data	Personal Data			Sensitive Data	
💍 Data Privacy	() Name	Select All	Surname		Select All
O Forum					
	Select where the name will annea	r or not	_	Select where the sumame will annear or not	
(i) About	Fiwoo - 2018	G			Q 🔇 🎔 🖬

14.2 Personal Data

Personal information like name, surname, email, telephone number, gender and date of birth and the services that are using this information:



≡ FIWOO			Q	jordi@jig.es
W Business Intelligence	Personal Data		Sensitive Data	
📃 Statements	1 Name	Select All	<u>)</u> Surname	Select All
	Select where the name will appear or not		Select where the surname will appear or not	
$\mathbf{\nabla}$ Rewards	Rewards transactions: list users Anenda: list users when creating event		Rewards transactions: list users Anenda: list users when creating event	
Agenda	Agenda: list users when viewing event User Management: list users		Agenda: list users when viewing event User Management: list users	
Reports	✓ User Management: update user ✓ Notifications: list users		User Management: update user Notifications: list users	
Devices				
Glucose Prediction	<u>∫</u> E-mail	Select All	<u> </u> <u> </u> Telephone	Select All
P Open Data	Select where the email will appear or not		Select where the telephone will appear or not	
Bulk Data	ik Data Rewards: send reward to user Accentency acc		User Management: list users	
📎 Data Privacy	✓ User Management: list users ✓ User Management: update user			
G Forum	Notifications: send email to user			
(i) About		چ ب		004
(i) About ■	Fiwoo - 2018	Ę	٩	() () jord@jiges
 About ■ FIWOO W Business Intelligence 	Fiveo - 2018	(²)		() () jordiĝije es
i About ■ FIWOO W Business Intelligence iii Statements	Fineco - 2018 Second state of the second state	Ę	Q Sector vince une tempinone nui oppresi or nor ∑ User Management: list users ∑ User Management: update user	() () jordijijes
ⓐ About ⓐ Fiwoo ₩ Business Intelligence Statements ⑨ User Management	Fiveco - 2018 Several send retward to user Rewards: send retward to user Agenda. send notification of event creation User Management: list users User Management: users User Management: users V Notifications: send email to user	Ę	Questor winders une sempriorite min opprær or nor ✓ User Management: list users ✓ User Management: update user	() () jordijijes
About ■	iweo- 2018		Sector Intere une comprisione nun appear or not ✓ User Management: list users ✓ User Management: update user	P Contra di
 About ■ FIWOO W Business Intelligence ∷ Statements ① User Management ! W Rewards ! Agenda 	iwwoo - 2018 Iwwoo - 2018 Iwwards: send reward to user Iwwards: send remaint to user Iwwards: Gender	€ Select All	User Management: list users User Management: update user User Management: update user	C Select All
 About ■ FIWCOO W Business Intelligence E Statements Q User Management W Rewards Agenda Agents 	Image: A set of the set	€ Select All	Select where the composition multiplear or not Select where the date of birth will appear or not Select where the date of birth will appear or not	C C Select Al
 About ■ FIWCOO W Business Intelligence Statements User Management W Revards Agenda Agends Preverts Devices 	Image: A set of the set	€ Select All	User Management: list users User Management: update user	C C Select All
 About About ■ FIWOO W Business Intelligence ≅ Statements Q. User Management Q. Rewards M. Agenda Agenda M. Reports Devices Glucose Prediction 	iweo - 2018 Week where the strate was appear to not	Select All	User Management: list users	C C Select All



14.3 Sensitive Data

Sensitive information like device information, template information or historical data and the services that are using this information:



≡ FIWOO			Q (J jordi@jig.e
W Business Intelligence				
E Statements	Personal Data		Sensitive Data	
<u>N</u> User Management	Device information	Select All	Template information	Select All
\P Rewards	Select where the device information will appear or not		Select where the template information will appear or not	
Agenda	Business Intelligence: get information from devices to predict glucose Big Data: Anonymized data can be used for performing analytics Device Management: list devices as administrator		Device Management: list templates as administrator Device Management: view specific template information as administrator Device Management dates experific template as administrator	
Reports	Device Management: view specific device information as administrator Device Management: delete specific device as administrator		Concernangement, derec apconte temprate de daministration	
Devices				
Glucose Prediction	Historical Data	Select All		
🕞 Open Data				
Bulk Data	Select where the template information will appear or not Device Management: get devices historical data as administrator			
📎 Data Privacy	I REMOVE PERSONAL DATA			
O Forum				
	Domaios all the historiast data from the cose devices	٩		
1 About	Fiwoo - 2018	ىي		

I5 Forum

FIWOO also provides an external open forum for the FIWOO community.

The forum is accessible from inside the Platform, from the Resources webpage (http://www.fiwoo.eu/resources/) and also from the direct link https://forum.fiwoo.eu/

\equiv Quick links Q FAQ			🕙 Register 🖞 Login
FIWOO			Search Q Q
🕈 Board index			
YOUR FIRST CATEGORY	TOPICS	POSTS	LAST POST
Cour first forum Description of your first forum.	10	12	prueba by tester1.fiwoo ₪ Thu May 31, 2018 10:34 pm
LOGIN + REGISTER			
Username: hwo Password: I forgot my	y password Remember me 📃 Login		
WHO IS ONLINE			
In total there is 1 user online :: 0 registered, 0 hidden and 1 guest (based on users active over the p	past 5 minutes)		
STATISTICS			
It is currently Thu Jun 14, 2018 8:33 am Most users ever online was 5 on Wed Apr 04, 2018 7:25 am			
Total posts 6 • Total topics 5 • Total members 18 • Our newest member BtqlwRoogy			
	🜌 Contact u	s 🕈 The team	Delete all board cookies All times are UTC

I6 About

On the About page, you can access to the list of technologies used to develop FIWOO and their corresponding licenses. You can also filter the results filling the "Name" or "License" fields.



≡ FIWOO		Q ↓ jordi@jig.es			
Business Intelligence					
= Statements	About				
<u>)</u> User Management	FIWOO is an open source internet of everything smart city platform being developed by the four Spanish companies Bosonit, Emergya, JIG and Secmotic as a response of the open call made by the SELECT for Cities pre- commercial procurement project. You can see below the list of technologies used to develop FIWOO and their corresponding licenses.				
P Rewards	Name	_ License			
Agenda	Name	License			
	Allure Test Report tool	Apache 2.0			
Reports	Ambari	Apache v2.0			
Devices	Android	Apache v2.0			
Glucose Prediction	Angular	The MIT License			
Open Data	Apache JMeter	Apache 2.0			
	Apache Maven	Apache 2.0			
U Bulk Data	CKAN	The MIT License			
📎 Data Privacy	Carto	BSD 3-clause			
\bigcirc	Chai-JS syntax	The MIT License			
(See Forum	Codacy	The MIT License			
(i) About	Fiwoo - 2018	d³			