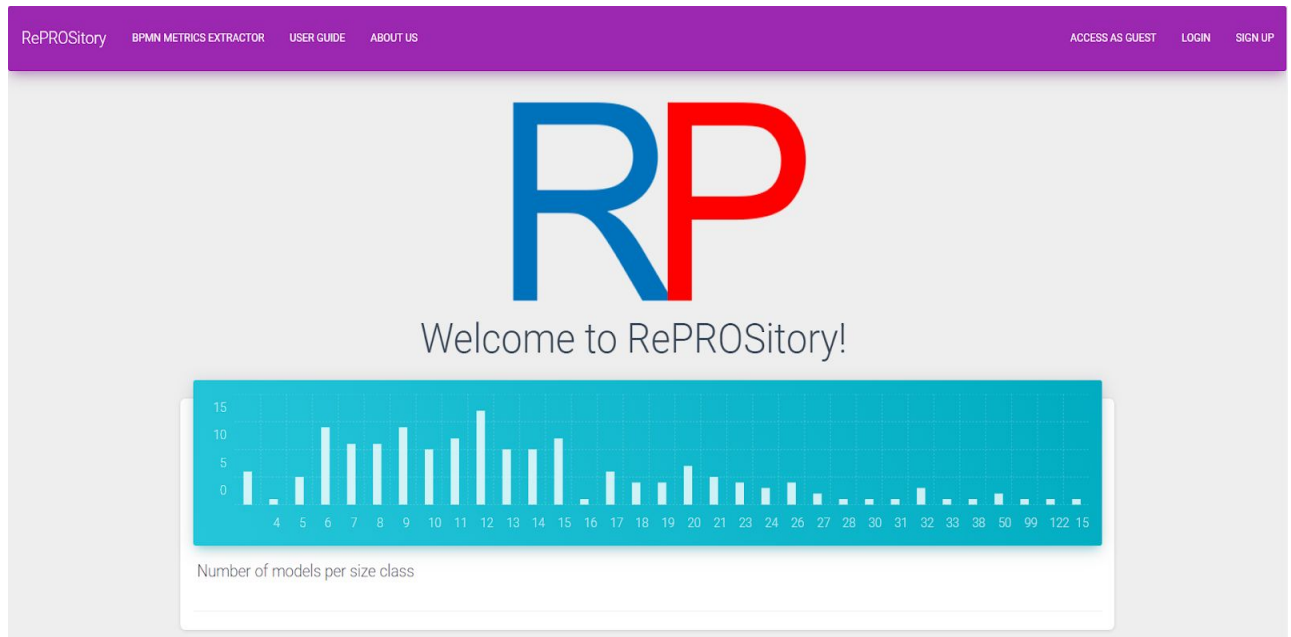


# Welcome to RePROSitory!

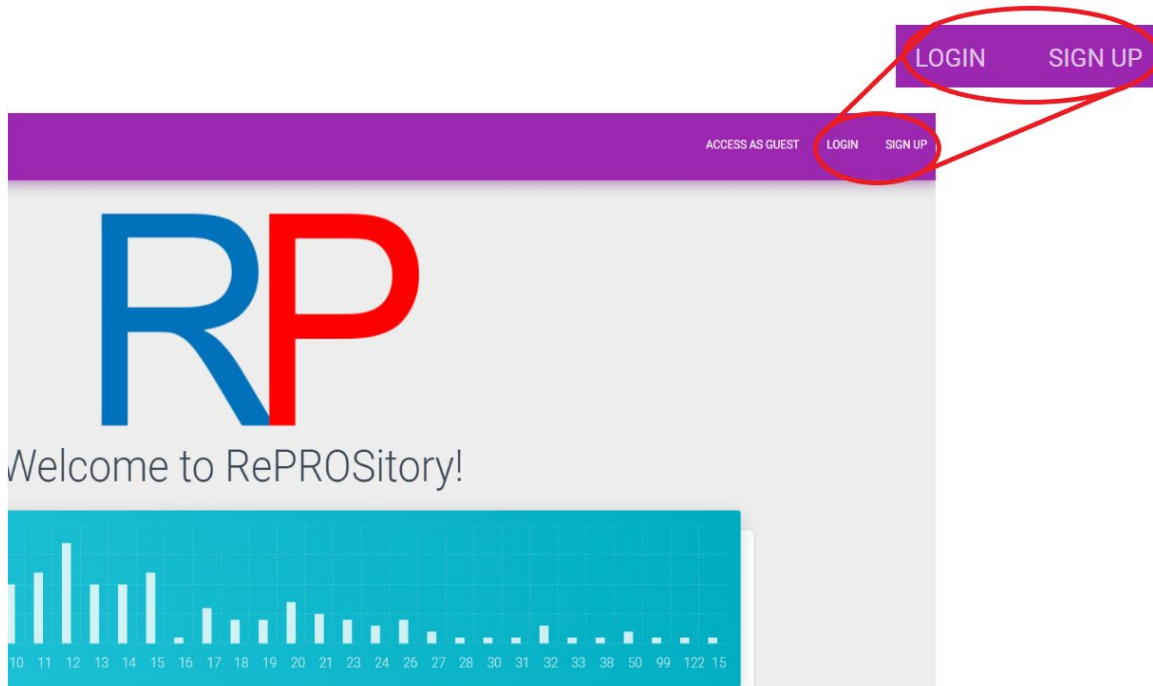
## Homepage

The image you see below is the homepage of the RePROSitory platform. It is accessible at the following address: [pros.unicam.it/repository](https://pros.unicam.it/repository). The homepage reports a description of what RePROSitory is: *a platform for sharing and retrieving BPMN models*.



## Registration and Login

For accessing the RePROSitory functionalities you need to register first. For that, click the “Sign Up” button on the top right corner of the page.



Fill the form and solve the captcha.

### Sign In

First Name

Last Name


Email

Company or University

Password

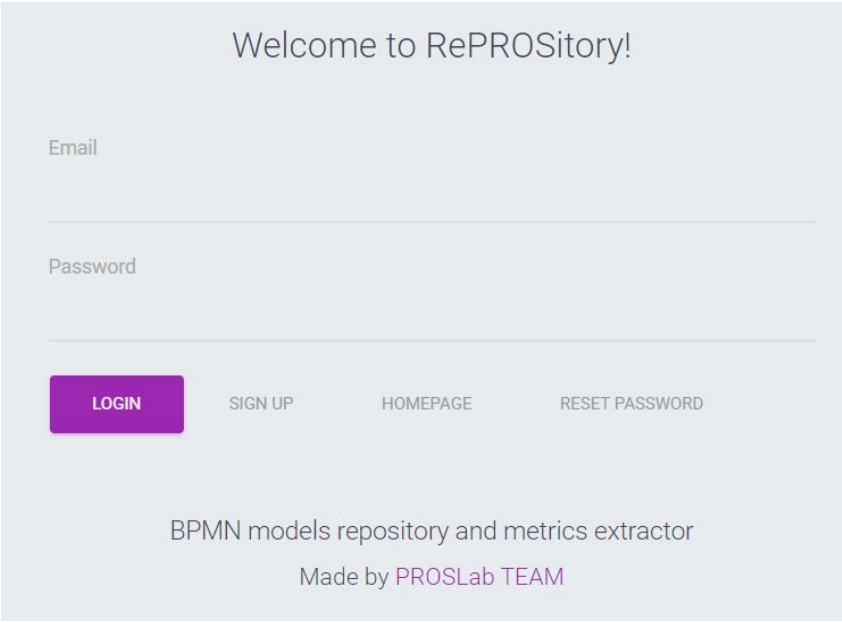
Confirm Password

☐ Non sono un robot

  
reCAPTCHA  
Privacy - Termini

NOTE: We do not share your data with anyone. Registration is required only to access additional functionalities not available for guest users.

Then you are requested to login by inserting the Email and Password you used for the registration.



Welcome to RePROSitory!

Email

Password

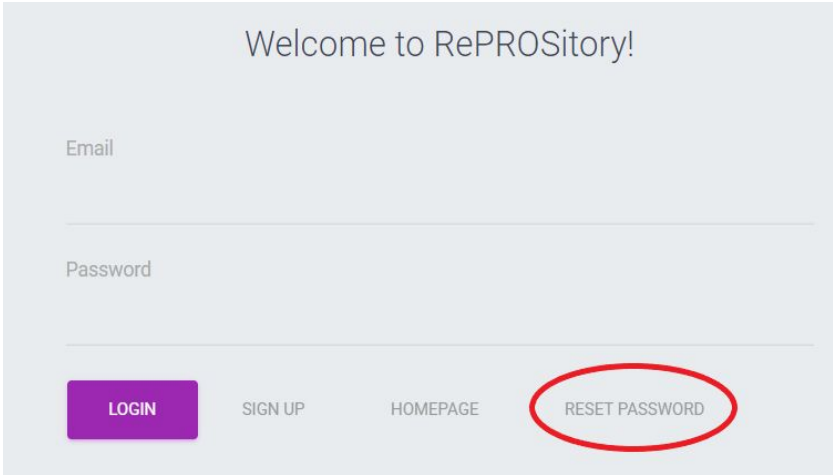
[LOGIN](#) [SIGN UP](#) [HOMEPAGE](#) [RESET PASSWORD](#)

BPMN models repository and metrics extractor  
Made by PROSLab TEAM

This is a screenshot of the RePROSitory login page. It features a light blue background. At the top, it says 'Welcome to RePROSitory!'. Below this are two input fields for 'Email' and 'Password'. Under the input fields, there are four buttons: 'LOGIN' (highlighted in purple), 'SIGN UP', 'HOMEPAGE', and 'RESET PASSWORD'. At the bottom, it says 'BPMN models repository and metrics extractor' and 'Made by PROSLab TEAM'.

## Recovery Password

If you forgot the password you have to click on the “Reset Password” button at the bottom of the Sign In page.



Welcome to RePROSitory!

Email

Password

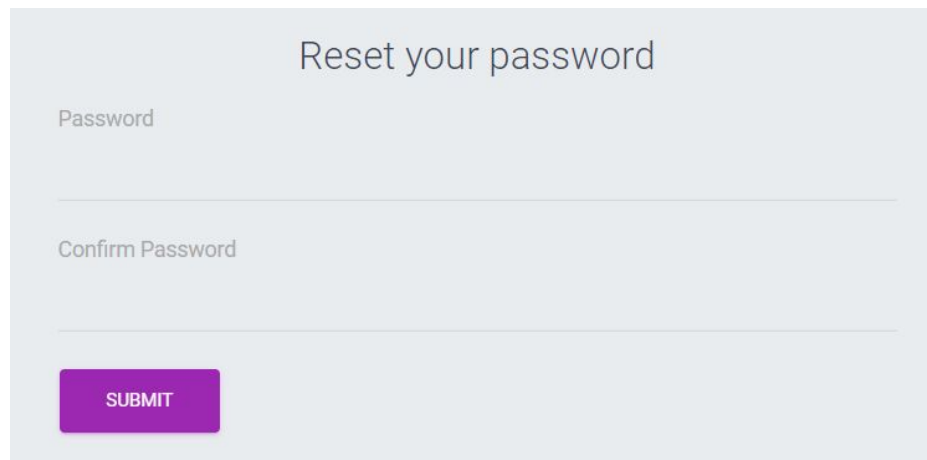
[LOGIN](#) [SIGN UP](#) [HOMEPAGE](#) [RESET PASSWORD](#)

This is a screenshot of the RePROSitory login page, identical to the one above. However, the 'RESET PASSWORD' button is circled in red to highlight it.

Then you are requested to provide your email and click the “reset” button.

After a few minutes our site will send you an email with a link. The link has an expiration time, so don't wait too long to finish this request or the link will expire.

Follow the link, and you will be redirected to a page like this:



Reset your password

Password

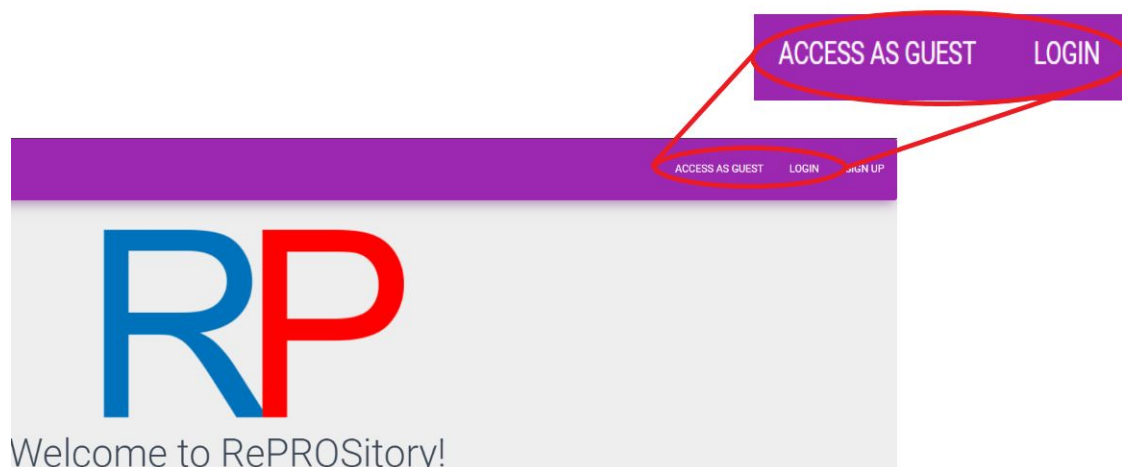
Confirm Password

SUBMIT

Now you are requested to put and confirm the new password. Click on the “Submit” button to confirm the password, and you will be redirected to the HomePage.

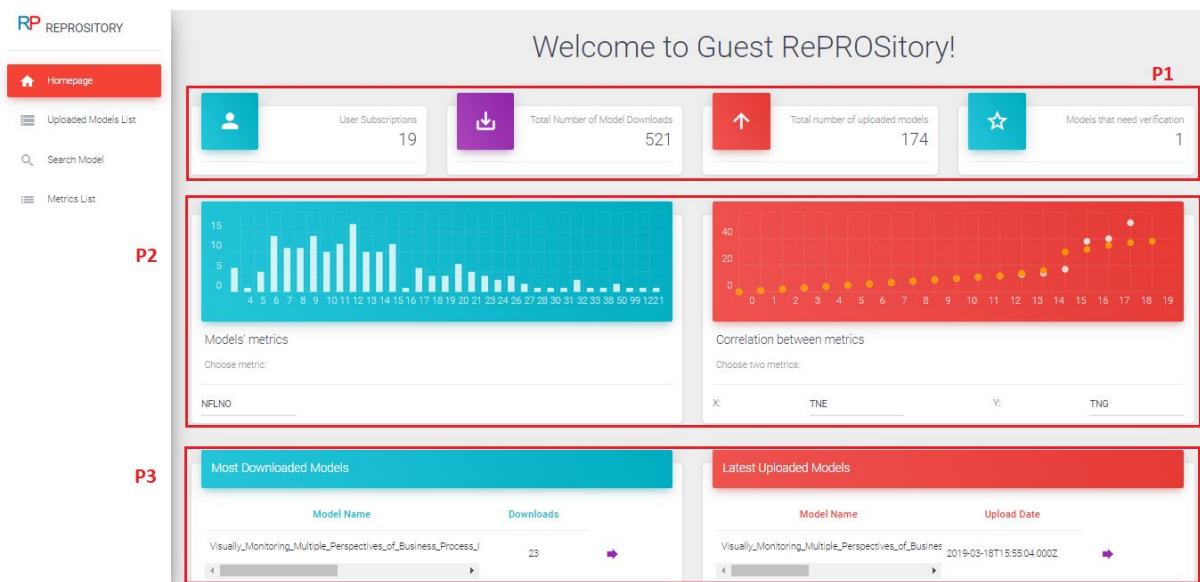
## Guest User HomePage

If you want to get a first impression of how the site works, you can click on the “Access As Guest” button on the top right corner of the homepage.

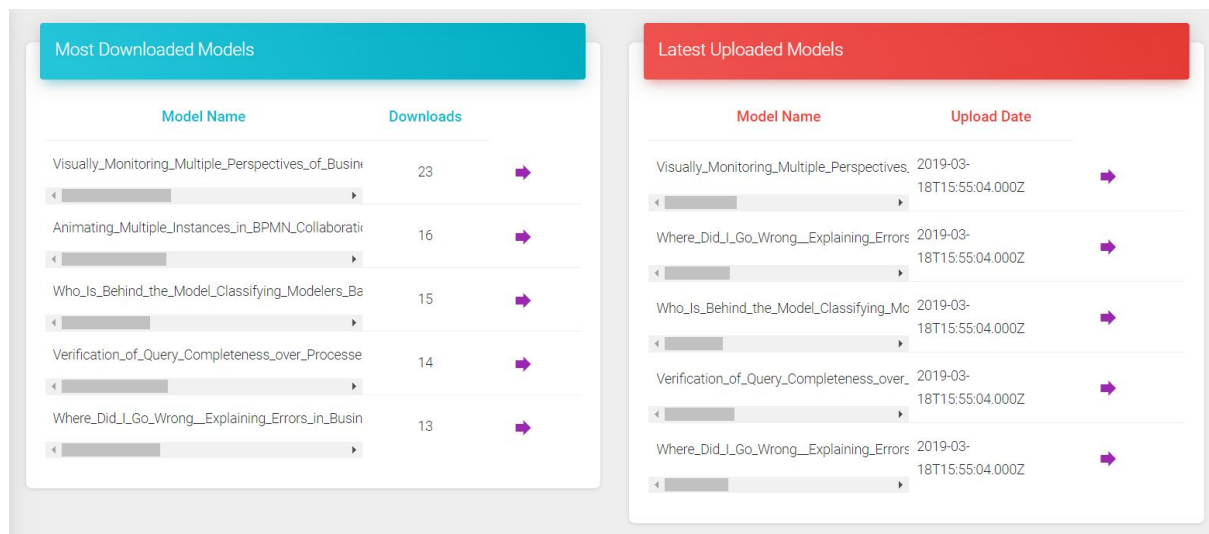


In the first part (**P1**) of the page, it provides information about: the number of subscribers to the platform, the total number of downloads, the total number of models populating the platform, and the number of models that are waiting for the administrator’s approval before being published. In the second part (**P2**), it presents two customizable graphs which change

based on the selected metrics. In the third part (**P3**) it presents a list of the most downloaded models and a list of the latest uploaded models.



From the models lists (**P3**) you can access the single model directly, by clicking on the arrow located on the last column of the table.



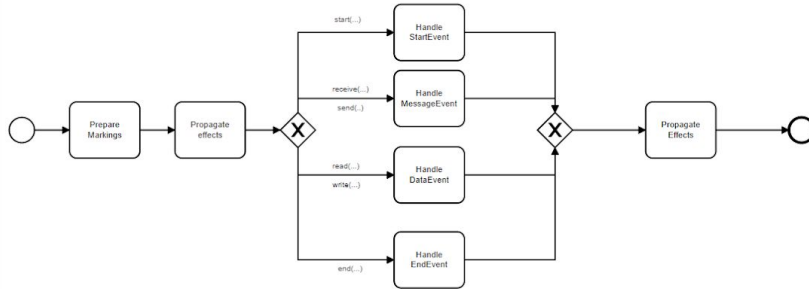
Pressing the arrow related to the model of your interest you will be able to actually see the model. By clicking the violet button **B1** displayed in figure you can also download the model, together with a .json file reporting the calculated metrics for that model. Alternatively you can request to display the calculated metrics for the corresponding model by pressing the violet button “Show Metrics” **B2** displayed in figure.



B1

Currently viewing

Visually\_Monitoring\_Multiple\_Perspectives\_of\_Business\_Process\_Compliance\_Fig8\_Processing\_of\_start\_message\_data\_and\_end\_events details



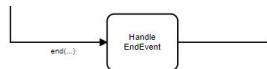
B2



SHOW METRICS

SHOW DETAILS

If you request to show the metrics, the list of calculated metrics will appear below the model as reported in the figure below.



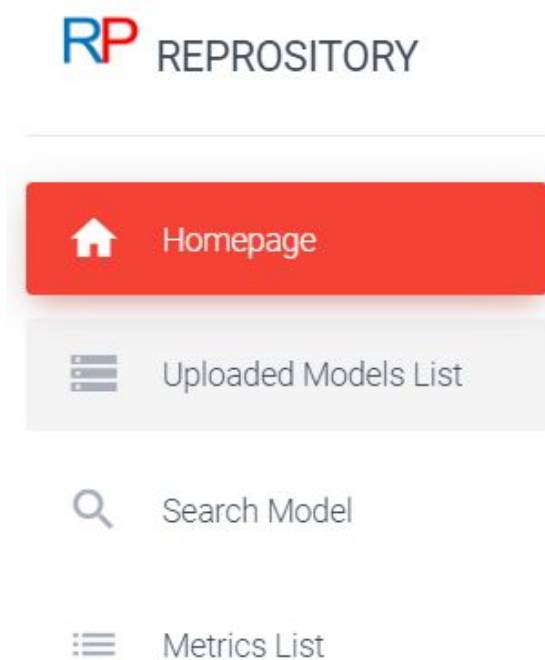
HIDE METRICS

SHOW DETAILS

Metrics for Visually\_Monitoring\_Multiple\_Perspectives\_of\_Business\_Process\_Compliance\_Fig8\_Processing\_of\_start\_message\_data\_and\_events

Metric Name	Description	Value	Type
NACT	Number of Activities	7	Basic
NCAC	Number of Call Activities	0	Basic
NT	Number of Tasks	7	Basic
NBRT	Number of Business Rules Tasks	0	Basic
NMT	Number of Manual Tasks	0	Basic
NRT	Number of Receive Tasks	0	Basic
NSCT	Number of Script Tasks	0	Basic
NSENT	Number of Send Tasks	0	Basic
NSERT	Number of Service Tasks	0	Basic
NUT	Number of User Tasks	0	Basic

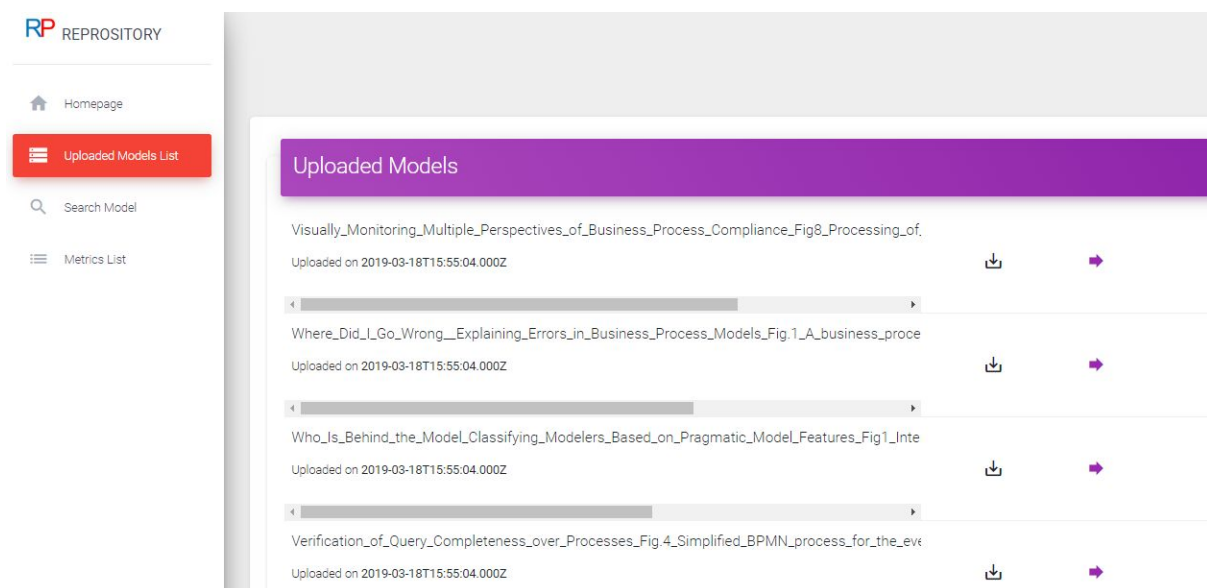
## Sidebar



- Pressing on “**Homepage**” you will be redirected to the “Homepage”.
- Pressing on “**Uploaded Models List**” you will be able to access a page showing a list of all the models uploaded on the platform.
- Pressing on “**Search Model**” you will be able to submit queries retrieving just those models stored on RePROSitory satisfying specific characteristics, so to target a specific subset of models.
- Pressing “**Metrics List**” you will access to a list of acronyms, descriptions and sources related to the supported metrics.

## Uploaded Models List

Choosing “Uploaded Models List” the following page will be displayed.



## Search Models

Choosing “Search Model” the following page will be displayed. You can then choose to filter the models based on the metrics, or other details associated with a model. Otherwise, you can search for a model using a more detailed search that combines metrics and details.

RP REPOSITORY

Homepage

Uploaded Models List

Search Model

Metrics List

### Search your BPMN model

filter by:

☒ Metrics

☐ Details

☐ Details&Metrics

Metric Name	Metric Description
ACD	Average Connector Degree or Average Gateway Degree

**FILTER**

## Searching by metrics

If you search by metrics you have to **select a metric** of your interest from the dropdown menu under the label “Metric Name”, then **choose an operator**, **choose a value** for that metric and **press “Add Metric”**. If you want you can add several other metrics or you can **press** the violet button on the left “**Filter**” (**B1**). A subset of the RePROSitory models which is compliant with the specified query will be reported below.

RP REPOSITORY

Homepage

Uploaded Models List

Search Model

Metrics List

### Search your BPMN model

filter by:

☒ Metrics

☐ Details

☐ Details&Metrics

Metric Name	Metric Description	Operator	Value	
NFLEL	Number of Flow Elements	>	7	<b>DELETE METRIC</b>
ACD	Average Connector Degree or Average Gateway Degree	=	Min: 0 - Max: 5	<b>ADD METRIC</b>

**FILTER** **B1**

Total number of results: 168

**B2**

Filtered models:

**Behavioral\_Similarity\_-\_A\_Proper\_Metric\_Fig2\_Order\_management\_process\_models\_Bm1\_and\_Bm2\_with\_their\_behavioral\_profile\_Bm1**  
Uploaded on 2019-03-18T15:54:47.000Z with ID 0\_1552924487627\_8834631221712325

**BPMN\_Task\_Instance\_Streaming\_for\_Efficient\_Micro-task\_Crowdsourcing\_Processes\_Fig\_4\_Extended\_BPMN\_model\_of\_the\_receipt\_transcription\_crowdsourcing\_proc...**  
Uploaded on 2019-03-18T15:54:49.000Z with ID 0\_1552924489837\_26172901713068611



**Press the violet button on the right (B2)** to download the entire subset of models in BPMN 2.0 format (.bpmn), and for each model an associated JSON file (.json) reporting a list of extracted metrics.

## Searching by details

If you search by details you can fill the field reported in the picture on the right (which are better described in the Model Upload section) and **press** the violet button on the left "**Filter**" to request the filtering. A subset of the RePROSitory models which is compliant with the specified query will be reported below.

Details	Value
Model ID	insert ID
Source	BPM
Year	from: 2000 to: 2019
Doi	Insert DOI
Paper	Insert Paper
Name	Insert Name
Notation	BPMN 2.0
Type	Collaboration Diagram
Application Domain	Healthcare
BP Lifecycle Phase	Process Modeling
Origin	Real Case
Modeling Tool	Signavio
Readapted Model	-

**FILTER**

## Searching by metrics and details

If you search by metrics and details you have to **select a metric** of your interest from the dropdown menu under the label "Metric Name", then **choose an operator**, **choose a value** for that metric and **press "Add Metric"**. After this you have to fill the details form and then click on "**Filter metrics and details**"(B1) to perform a related search.

RP

REPOSITORY

Homepage

Uploaded Models List

Search Model

Create Model

Upload Model

Metrics List

Doi

Insert DOI

Paper

Insert Paper

Name

Insert Name

Notation

Type

Application Domain

BP Lifecycle Phase

Origin

Modeling Tool

Readapted Model

-

FILTER METRICS & DETAILS

B1

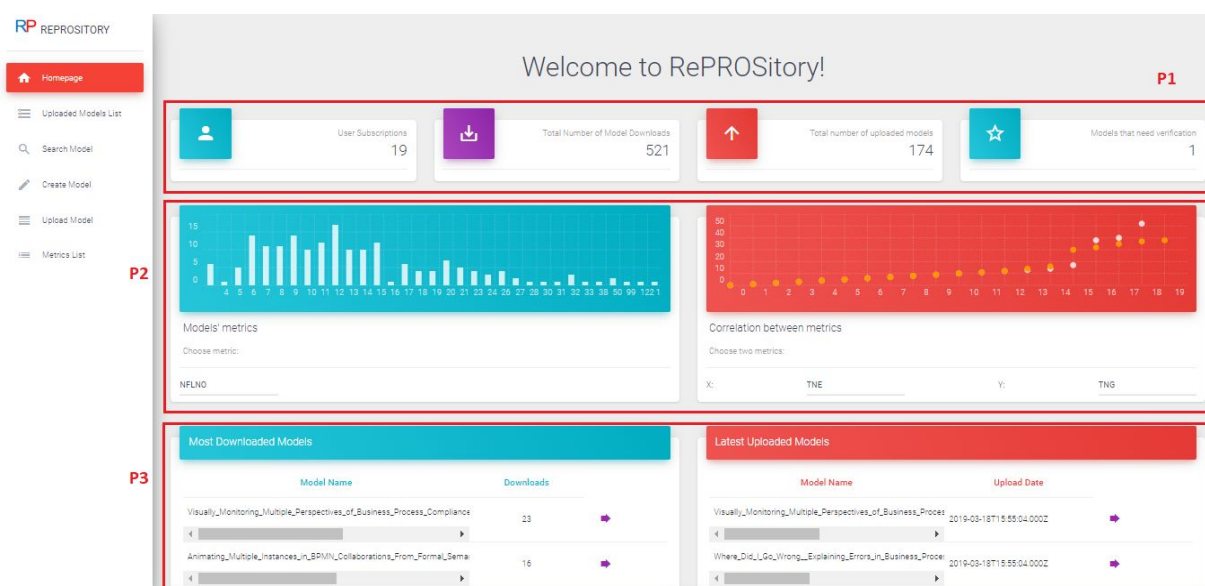
## Metrics List

After choosing “Metrics List” you will be provided with a list of all the supported metrics, their acronym, a brief description and information about the source of the metric (es. DOI).

Supported Metrics		
Name	Description	Source Doi
ACD	Average Connector Degree or Average Gateway Degree	10.1007/978-3-540-75183-0\4
CC	Cross-connectivity metric	10.1007/978-3-540-69534-9\36
CFC	Control-flow Complexity metric	10.1007/978-3-642-01862-6\6
CH	Gateway Heterogeneity	10.1007/978-3-540-89224-3
CLA	Connectivity level between activities	10.19153/cleiej.9.1.5
CLP	Connectivity level between participants	10.19153/cleiej.9.1.5
CNC	Coefficient of Network Complexity or Connectivity coefficient	10.1007/11837862\13
CP	Coupling metric, it calculates the degree of coupling.	10.1007/978-3-540-25970-1\19
CYC	Cyclicity	10.1007/978-3-540-89224-3
Density	Density	10.1007/978-3-540-89224-3
Depth	Depth	10.1007/978-3-540-89224-3
diam	Diameter	10.1007/978-3-540-89224-3
DSM	Durfee Square Metric	10.1007/978-3-319-03677-9_6
ECaM	Extended Cardoso Metric	10.1016/j.infsof.2008.08.005

# Registered User Homepage

After registering, you will be redirected to the homepage for registered Users shown in the figure below. In the first part (**P1**) of the page, it provides information about: the number of subscribers to the platform, the total number of downloads, the total number of models populating the platform, and the number of models that are waiting for the administrator's approval before being published. In the second part (**P2**), it presents two customizable graphs which adapt on the base of the selected metrics. In the third part (**P3**) it presents a list of the most downloaded models2, and a list of the latest uploaded models.




From the models lists (**P3**) you can access the single model directly, by clicking on the arrow located on the last column of the table.

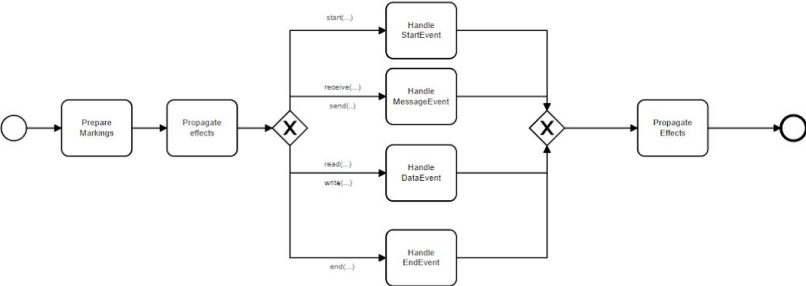
Most Downloaded Models		
Model Name	Downloads	
Visually_Monitoring_Multiple_Perspectives_of_Busini	23	➔
Animating_Multiple_Instances_in_BP4N_Collaborati	16	➔
Who_Is_Behind_the_Model_Classifying_Modelers_Ba	15	➔
Verification_of_Query_Completeness_over_Processe	14	➔
Where_Did_I_Go_Wrong_Explaining_Errors_in_Busin	13	➔

Latest Uploaded Models		
Model Name	Upload Date	
Visually_Monitoring_Multiple_Perspectives,	2019-03-18T15:55:04.000Z	➔
Where_Did_I_Go_Wrong_Explaining_Errors	2019-03-18T15:55:04.000Z	➔
Who_Is_Behind_the_Model_Classifying_Mo	2019-03-18T15:55:04.000Z	➔
Verification_of_Query_Completeness_over_	2019-03-18T15:55:04.000Z	➔
Where_Did_I_Go_Wrong_Explaining_Errors	2019-03-18T15:55:04.000Z	➔


Pressing the arrow related to the model of your interest you will be able to actually see the model. By clicking the violet button **B1** displayed in figure you can also download the model, together with a .json file reporting the calculated metrics for that model. Alternatively you can request to display the calculated metrics for the corresponding model by pressing the violet button “*Show Metrics*” **B2** displayed in figure.

**B1**

Currently viewing  
Visually\_Monitoring\_Multiple\_Perspectives\_of\_Business\_Process\_Compliance\_Fig8\_Processing\_of\_start\_message\_data\_and\_end\_events details



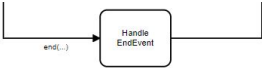
**B2**




SHOW METRICS

SHOW DETAILS

If you request to show the metrics, the list of calculated metrics will be shown below the model as reported in the figure below.





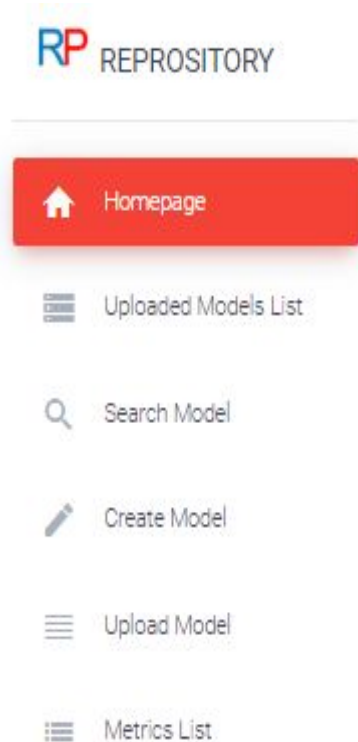
HIDE METRICS

SHOW DETAILS

Metrics for Visually\_Monitoring\_Multiple\_Perspectives\_of\_Business\_Process\_Compliance\_Fig8\_Processing\_of\_start\_message\_data\_and\_end\_events

Metric Name	Description	Value	Type
NACT	Number of Activities	7	Basic
NCAC	Number of Call Activities	0	Basic
NT	Number of Tasks	7	Basic
NBRT	Number of Business Rules Tasks	0	Basic
NMT	Number of Manual Tasks	0	Basic
NRT	Number of Receive Tasks	0	Basic
NSCT	Number of Script Tasks	0	Basic
NSENT	Number of Send Tasks	0	Basic
NSERT	Number of Service Tasks	0	Basic
NUT	Number of User Tasks	0	Basic

## Sidebar



The RePROSitory sidebar allows to move between the platform pages and functionalities.

- Pressing on “**Homepage**” you will be redirected to the “Registered User Homepage” described above.
- Pressing on “**Uploaded Models List**” you will be able to access a page showing a list of all the models uploaded on the platform.
- Pressing on “**Search Model**” you will be able to submit queries retrieving just those models stored on RePROSitory satisfying specific characteristics, so to target a specific subset of models.
- Pressing “**Upload Model**” you will be able to upload a model, and share it on RePROSitory with additional information to track its actual source.
- Pressing “**Metrics List**” you will access to a list of acronyms, descriptions and sources related to the supported metrics.
- Pressing “**Create Model**” you will access to a white paper with a sidebar tool to create a new BPMN Model. When you have finished your work you can download your model.

## Uploaded Models List

Choosing “Uploaded Models List” the following page will be displayed.

Uploaded Models	
Visually_Monitoring_Multiple_Perspectives_of_Business_Process_Compliance_Fig8_Processing_of_start_message_data_and_end_events	Uploaded on 2019-03-18T15:55:04.000Z with ID 10_1552924504102_293092822232533
Where_Did_I_Go_Wrong_Explaining_Errors_in_Business_Process_Models_Fig.1_A_business_process_model(a)_and_its_translation_into_a_Petri_net_(b)	Uploaded on 2019-03-18T15:55:04.000Z with ID 20_1552924504199_725252633120104
Who_Is_Behind_the_Model_Classifying_Modelers_Based_on_Pragmatic_Model_Features_Fig1_Interactions_with_a_modeling_tool_result_in_different_intermediate_models	Uploaded on 2019-03-18T15:55:04.000Z with ID 9_1552924504352_33312261611728
Verification_of_Query_Completeness_over_Processes_Fig.4_Simplified_BPMN_process_for_the_everyday_activity_of_a_secretary_in_a_school	Uploaded on 2019-03-18T15:55:04.000Z with ID 8_1552924504042_29141210621792130
Where_Did_I_Go_Wrong_Explaining_Errors_in_Business_Process_Models_Fig.4_Mapping_back_the_reduced_distributed_run_to_the_original_process_model	Uploaded on 2019-03-18T15:55:04.000Z with ID 8_1552924504293_61281123318253117
Tying_Process_Model_Quality_to_the_Modeling_Process_Fig5_Transformations_related_to_split_and_join_semantics_a	Uploaded on 2019-03-18T15:55:03.000Z with ID 10_1552924503460_210141017201228
Tying_Process_Model_Qualityto_the_Modeling_Process_The_Impact_of_Structuring_Movement_and_Speed_Fig4_Transformations_related_to_the_handling_of_start_and_event_events_b	Uploaded on 2019-03-18T15:55:03.000Z with ID 14_1552924503721_112322534136110

## Search Models

Choosing “Search Model” the following page will be loaded. You can then choose to filter the models based on the metrics, details associated with the model. Otherwise, you can search for a model using a more detailed search that associates metrics and details.

RP

REPOSITORY

🏠 Homepage

☰ Uploaded Models List

🔍 Search Model

✎ Create Model

☰ Upload Model

☰ Metrics List

Search your BPMN model

filter by:

☒ Metrics

☐ Details

☐ Details&Metrics

Metric Name	Metric Description
ACD	Average Connector Degree or Average Ga

FILTER

## Searching by metrics

If you search by metrics you have to **select a metric** of your interest from the dropdown menu under the label “Metric Name”, then **choose an operator**, **choose a value** for that metric and **press “Add Metric”**. If you want you can add several other metrics or you can **press** the violet button on the left **“Filter” (B1)**. A subset of the RePROSitory models which is compliant with the specified query will be reported below.

RP REPOSITORY

Search your BPMN model

filter by:

- ☒ Metrics
- ☐ Details
- ☐ Details&Metrics

Metric Name	Metric Description	Operator	Value	
NFLNO	Number of Flow Nodes	>	4	DELETE METRIC
ADD	Average Connector Degree or Average Gateway Degree	=	Min: 0 - Max: 5	ADD METRIC

**FILTER B1**

Total number of results: 168

Filtered models:

Behavioral\_Similarity\_-\_A\_Proper\_Metric\_Fig2\_Order\_management\_process\_models\_Bm1\_and\_Bm2\_with\_their\_behavioral\_profile\_Bm1  
Uploaded on 2019-03-18T15:54:47.000Z with ID 0\_1552924487627\_8834631221712325

BPMN\_Task\_Instance\_Streaming\_for\_Efficient\_Micro-task\_Crowdsourcing\_Processes\_Fig.4\_Extended\_BPMN\_model\_of\_the\_receipt\_transcription\_crowdsourcing\_proc...  
Uploaded on 2019-03-18T15:54:49.000Z with ID 0\_1552924489837\_26172901713068611

**B3 B2**

**Press the violet button on the right (B2)** to download the entire subset of models in BPMN 2.0 format (.bpmn), and for each model an associated JSON file (.json) reporting a list of extracted metrics.

**Press the violet button on the right (B3)** to create a collection of models that you can download from the link and even share the link directly.

## Searching by details

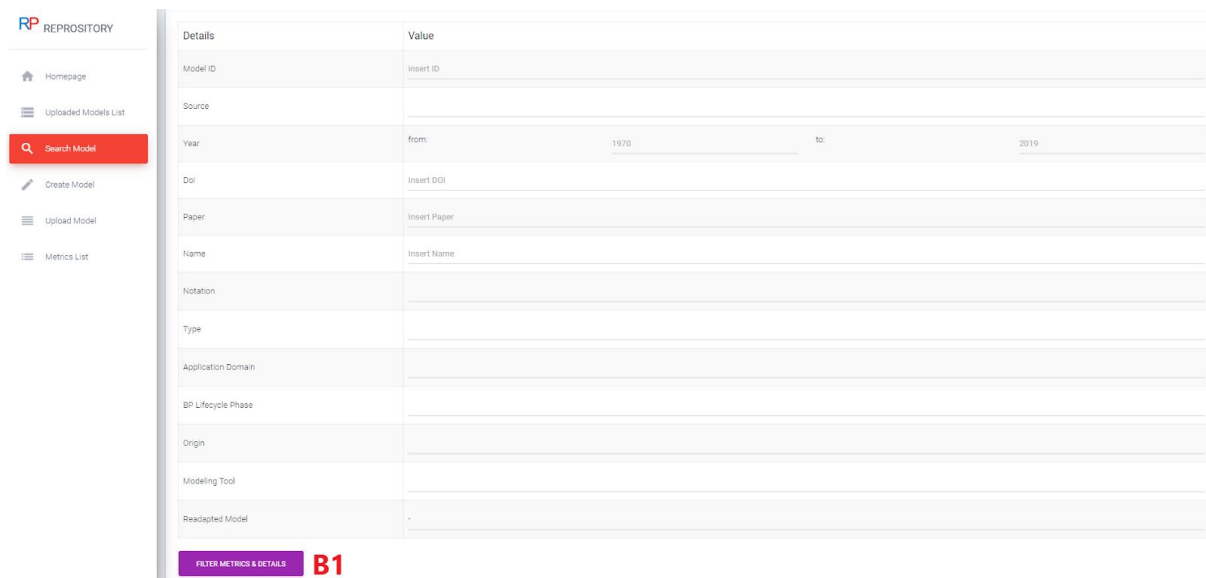
If you search by details you should fill the field reported in the picture on the right (which are better described in the Model Upload section) and **press** the violet button on the left **“Filter”** to request the filtering. A subset of the RePROSitory models which are compliant with the specified query will be reported below.

Details	Value
Model ID	insert ID
Source	BPM
Year	from: 2000 to: 2019
Doi	Insert DOI
Paper	Insert Paper
Name	Insert Name
Notation	BPMN 2.0
Type	Collaboration Diagram
Application Domain	Healthcare
BP Lifecycle Phase	Process Modeling
Origin	Real Case
Modeling Tool	Signavio
Readapted Model	-

**FILTER**

## Searching by metrics and details

If you search for metrics and details, you must first compile and add the required metric in the metrics module, then fill in the details form and then click on "**Filter metrics and details**"(B1) to perform a related search.



The screenshot shows the RPA REPOSITORY interface. On the left is a sidebar with navigation options: Homepage, Uploaded Models List, Search Model (highlighted in red), Create Model, Upload Model, and Metrics List. The main area contains a form titled "Details" with a "Value" column. The form fields are: Model ID (Insert ID), Source, Year (from 1970 to 2019), DOI (Insert DOI), Paper (Insert Paper), Name (Insert Name), Notation, Type, Application Domain, BP Lifecycle Phase, Origin, Modeling Tool, and Readapted Model. At the bottom of the form is a purple button labeled "FILTER METRICS & DETAILS" with a red "B1" label next to it.

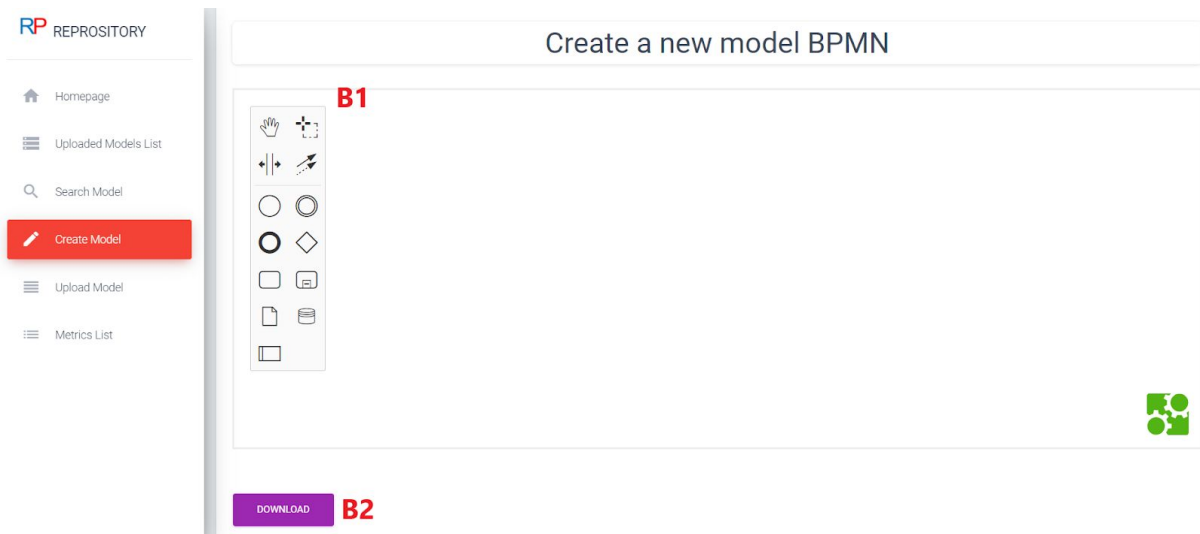
Details	Value
Model ID	Insert ID
Source	
Year	from 1970 to 2019
DOI	Insert DOI
Paper	Insert Paper
Name	Insert Name
Notation	
Type	
Application Domain	
BP Lifecycle Phase	
Origin	
Modeling Tool	
Readapted Model	-

**FILTER METRICS & DETAILS B1**

## Create Model

After selecting "Create Model" the following page will show up. Then, you can create your own BPMN model. You have to use the tools on the sidebar (B1) to start working.

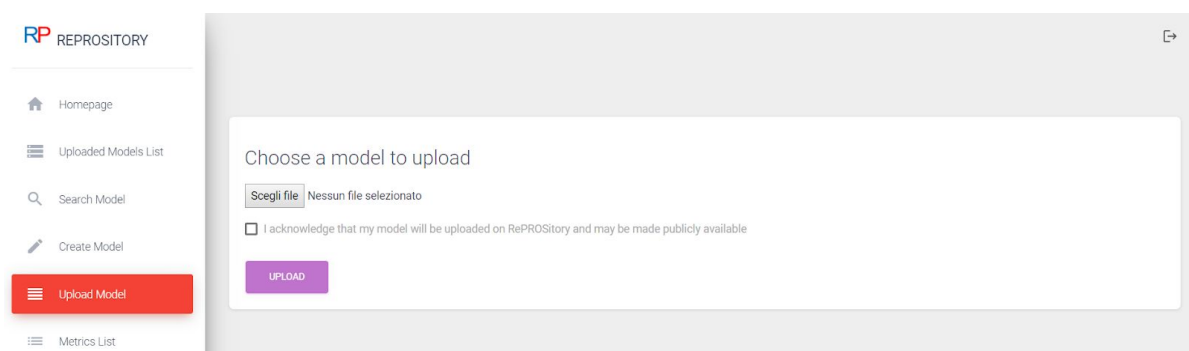




When you have finished your model you can directly download it from the “Download” button below (B2).

## Upload Model

After selecting “Upload Model” the following page will show up. Then, click over the “Choose File” button. Select a .bpmn file (that has been created with Camunda modeler or Signavio modeler), tick the box for acknowledging that you model will be taken in consideration for being shared on the RePROSitory platform. Press “UPLOAD” to upload the BPMN file.



After you choose a model and pressed the “UPLOAD” button you will see your model displayed by means of the bpmn-js library as shown below.

RP

REPOSITORY

Homepage

Uploaded Models List

Search Model

Create Model

Upload Model

Metrics List

Choose a model to upload

```

graph LR
    Start(( )) --> Prepare[Prepare Markings]
    Prepare --> Propagate[Propagate effects]
    Propagate --> XOR_Split{X}
    XOR_Split -- start(..) --> HandleStart[Handle StartEvent]
    XOR_Split -- receive(..) --> HandleMsg[Handle MessageEvent]
    XOR_Split -- read(..) --> HandleData[Handle DataEvent]
    XOR_Split -- write(..) --> HandleEnd[Handle EndEvent]
    HandleStart --> Parallel_Join{ }
    HandleMsg --> Parallel_Join
    HandleData --> Parallel_Join
    HandleEnd --> Parallel_Join
    Parallel_Join --> XOR_Join{X}
    XOR_Join --> PropagateEffects[Propagate Effects]
    PropagateEffects --> End(( ))

```

Scegli file

10\_15529245\_232533.bpmn

File Name

At this point you can insert all the information you have about this model which will help to track the source of the model and to filter models by the information you provide. A description of the information you can specify is reported below.

Name of the field	Description
Source	If the model has been published in a conference, the source is the conference name or acronym such as (BPM).
Year	If the model has been published, year is the year of the publication.
Source Bibtex	<p>If the model is in a proceeding, source bibtex is the bibtex of that proceeding. Es.</p> <pre> @proceedings{DBLP:conf/kbse/2017,   editor   = {Grigore Rosu and               Massimiliano Di Penta and               Tien N. Nguyen},   title    = {Proceedings of the 32nd {IEEE/ACM} International               Conference on Automated               Software Engineering, {ASE} 2017, Urbana, IL, USA,               October 30 - November               03, 2017},   publisher = {{IEEE} Computer Society},   year     = {2017},   url      =   {http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=8106906},   isbn     = {978-1-5386-2684-9},   timestamp = {Thu, 30 Nov 2017 15:06:17 +0100},   biburl   = {https://dblp.org/rec/bib/conf/kbse/2017},   bibsource = {dblp computer science bibliography, https://dblp.org} } </pre>

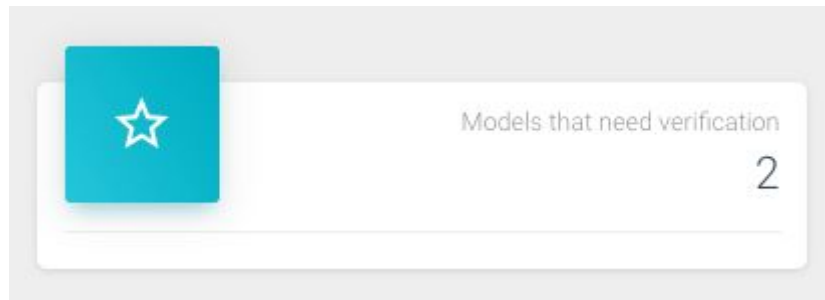
Paper Bibtex	<p>If the model has been published in a scientific paper, paper bibtex is the bibtex of that paper. Es.</p> <pre>@inproceedings{DBLP:conf/kbse/CorradiniFP0TV17,   author    = {Flavio Corradini and     Fabrizio Fornari and     Andrea Polini and     Barbara Re and     Francesco Tiezzi and     Andrea Vandin},   title     = {BProVe: a formal verification framework for business     process models},   booktitle = {Proceedings of the 32nd {IEEE/ACM} International     Conference on Automated     Software Engineering, {ASE} 2017, Urbana, IL, USA,     October 30 - November     03, 2017},   pages     = {217--228},   year      = {2017},   crossref  = {DBLP:conf/kbse/2017},   url       = {https://doi.org/10.1109/ASE.2017.8115635},   doi       = {10.1109/ASE.2017.8115635},   timestamp = {Fri, 02 Nov 2018 09:46:19 +0100},   biburl    = {https://dblp.org/rec/bib/conf/kbse/CorradiniFP0TV17},   bibsource = {dblp computer science bibliography, https://dblp.org} }</pre>
Source Doi	<p>If the model has been published in a proceeding, source doi is the doi of that proceeding or the ISBN when the doi is not available. E.g. 978-1-5386-2684-9</p>
Paper Doi	<p>If the model has been published in a scientific paper, paper doi is the doi of that paper. E.g. 10.1109/ASE.2017.8115635</p>
Paper Title	<p>If the model has been published in a scientific paper, paper title is the title of the paper. E.g.. BProVe: a formal verification framework for business process models</p>
Pages	<p>If the model has been published in a scientific paper, pages is the number of the page where the model has been reported.</p>
Caption	<p>If the model has been published in a scientific paper, caption is the caption assigned to that model in the paper. E.g. Fig. 1. Example of a BPMN model</p>
Notation	<p>Notation is the graphical notation that has been use to design the model. Up to now we support only BPMN and BPMN 2.0</p>
Application Domain	<p>If the model is reconducibile to a specific application domain you can assign it one. E.g. Healthcare, Order Management, Insurance Claim, etc. Note, only one application domain can be specified.</p>

Type	Type refers to whether the model refers to one single process or to a collaboration. You should write <b>Process diagram</b> if the model refers to only one process (at most one pool is present). You should write <b>Collaboration diagram</b> if the model refers to multiple processes (more pools are present).
BP Lifecycle Phase	If the model is reconducible to a BP Lifecycle Phase, which means it has been used specifically in one of the phases such as <b>Process Analysis</b> , <b>Process Modeling</b> , <b>Process Monitoring</b> and <b>Process Mining</b> . Then you can specify the phase by writing it.
Origin	Origin refers to whether the model is an example model, a real case, or a synthetic model. Write <b>Example</b> , for example models; write <b>Real Case</b> for real case models; write <b>Synthetic</b> for synthetic models.
Tool	Tool refers to whether the model has been used with a specific tool. E.g. ProM, Apromore, BProVe, etc.
Modeling Tool	Modeling Tool refers to the tool that has been used for designing the model. Up to now we guarantee support for Camunda BPMN Modeler and Signavio BPMN Editor. Write <b>Camunda</b> or <b>Signavio</b> to specify one of them.
Readapted	Readapted is a checkbox which allows you to specify whether the selected model is a re-adapted version of one that has been published or if not which means it is the original version. Also minor changes should be specified choosing <b>true</b> as value.

We hope the user will contribute to fill also those information that will help categorizing models on RePROSitory, and to track the actual source of the model. The minimum requirement for a model that has been already published in a scientific paper is the *Paper BibTeX* (es. it can easily be extracted from [dblp](#)).

After inserting models information, tick the box for acknowledging that you model will be taken in consideration for being shared on the RePROSitory platform. Press “UPLOAD” to upload the BPMN file.





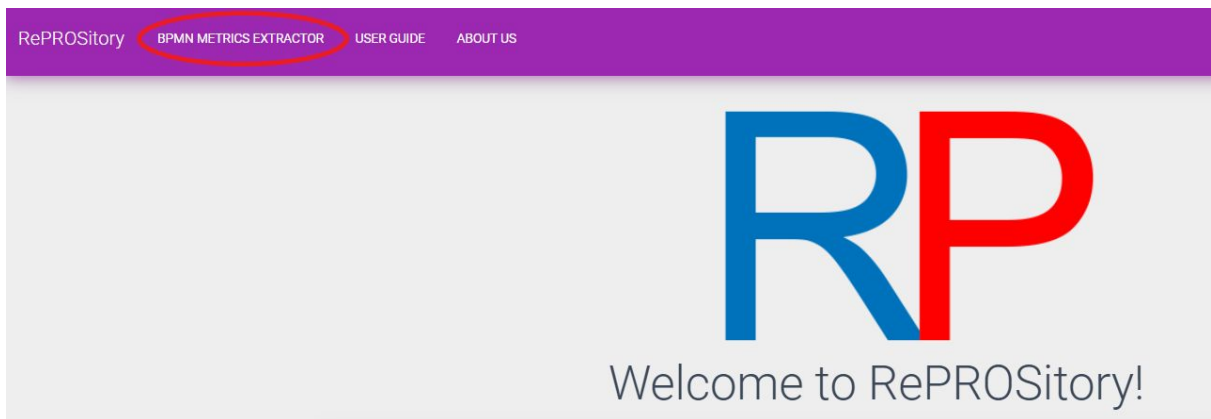
## Metrics List

After choosing “Metrics List” you will be provided with a list of all the supported metrics, their acronym, a brief description and information about the source of the metric (es. DOI).

Supported Metrics		
Name	Description	Source Doi
ACD	Average Connector Degree or Average Gateway Degree	10.1007/978-3-540-75183-0\4
CC	Cross-connectivity metric	10.1007/978-3-540-69534-9\36
CFC	Control-flow Complexity metric	10.1007/978-3-642-01862-6\6
CH	Gateway Heterogeneity	10.1007/978-3-540-89224-3
CLA	Connectivity level between activities	10.19153/cleiej.9.1.5
CLP	Connectivity level between participants	10.19153/cleiej.9.1.5
CNC	Coefficient of Network Complexity or Connectivity coefficient	10.1007/11837862\13
CP	Coupling metric, it calculates the degree of coupling.	10.1007/978-3-540-25970-1\19
CYC	Cyclicity	10.1007/978-3-540-89224-3
Density	Density	10.1007/978-3-540-89224-3
Depth	Depth	10.1007/978-3-540-89224-3
diam	Diameter	10.1007/978-3-540-89224-3
DSM	Durfee Square Metric	10.1007/978-3-319-03677-9_6
ECaM	Extended Cardoso Metric	10.1016/j.infsof.2008.08.005

## BPMN Metrics Extractor

From the RePROSitory homepage you find also a link to our [BPMN Metrics Extractor](#). It is a web service developed in java which allow from a .bpmn model to calculate and extract metrics. It is one core component of RePROSitory.



## About us

If you want to know something more about this site, the development team and the supervisors you can check those info by clicking the “About US” button.

