



Ferramentas para Modelo ER

Profa. Maria Camila Nardini Barioni

camila.barioni@ufu.br

Bloco B - sala 1B137

2º semestre de 2023

Roteiro

- ◆ Apresentação do tema do projeto
- ◆ Explicação da atividade

Tema do projeto

◆ Projeto: SERVIÇO DE STREAMING DE MÚSICA

◆ 20/01

- ◆ Início do desenvolvimento do projeto (Definição de requisitos adicionais e Modelo Entidade Relacionamento)
- ◆ Entrega dos nomes dos integrantes do grupo do projeto e da descrição dos requisitos adicionais

◆ 03/02

- ◆ Continuação do desenvolvimento do projeto (Mapeamento para o modelo relacional)

◆ 17/02

- ◆ Continuação do desenvolvimento do projeto (Álgebra relacional)
- ◆ Entrega da descrição das consultas

◆ 02/03

- ◆ Continuação do desenvolvimento do projeto (Consultas SQL)
- ◆ Entrega da descrição das consultas

◆ 16/03

- ◆ Continuação do desenvolvimento do projeto (SP e gatilhos)
- ◆ Entrega da descrição do SP e do gatilho

◆ 05 e 06/04

- ◆ Finalização do projeto
- ◆ Entrega do relatório final completo e scripts finais

DIA



<http://dia-installer.de/>

Home	News	Screenshots	Examples	Download	Documentation
FAQ	Bugzilla	Development	Python	Links	Contact

Welcome to Dia's new homepage. Dia is a GTK+ based diagram creation program for GNU/Linux, MacOS X, Unix, and Windows, and is released under the GPL license.

◆ News! 2011-Dec-18: Version 0.97.2 has been released. Visit the [Download](#) page to get your copy! (Download shortcuts: [Windows](#), [Mac OS X](#))

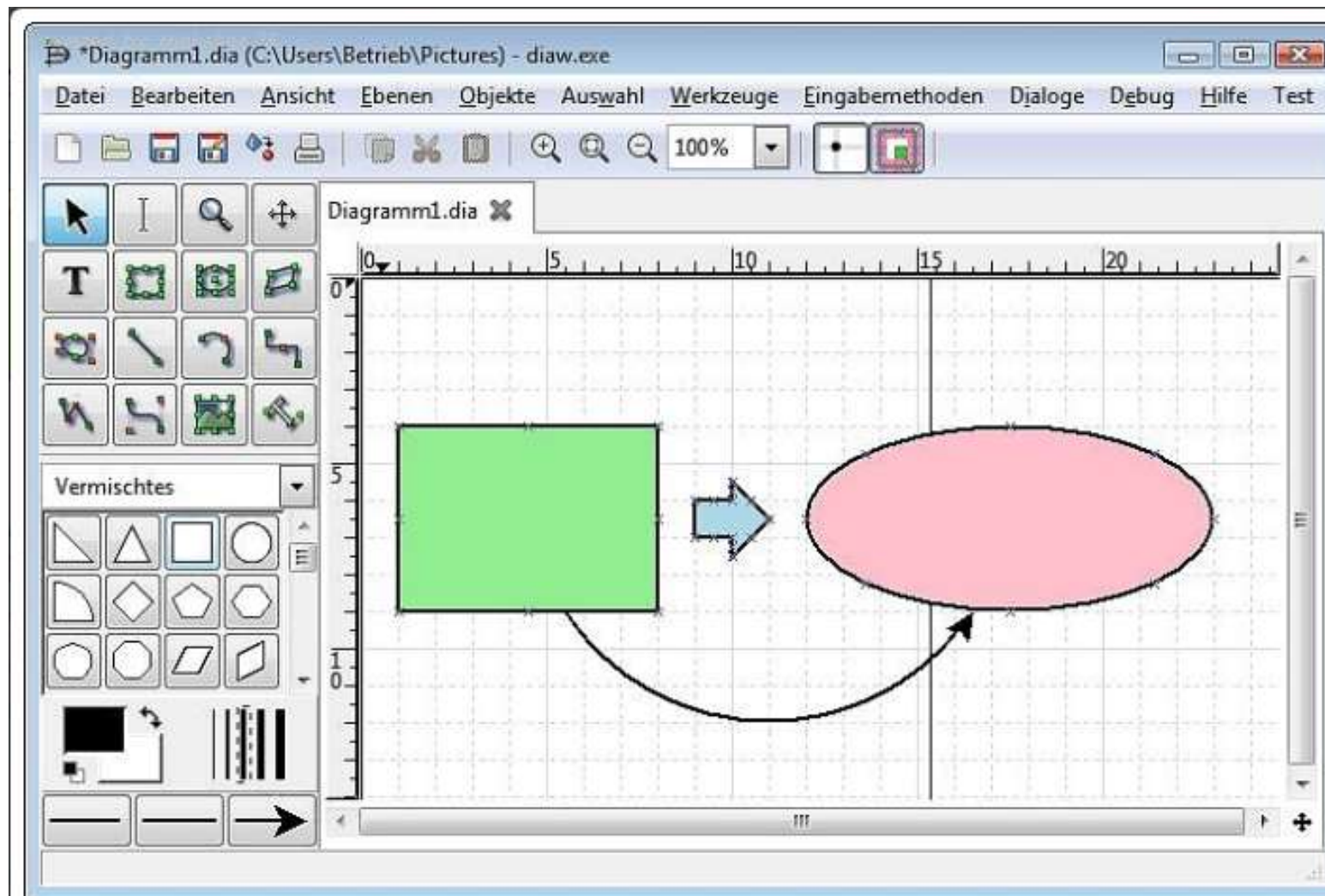
Dia is roughly inspired by the commercial Windows program 'Visio,' though more geared towards informal diagrams for casual use. It can be used to draw many different kinds of diagrams. It currently has special objects to help draw entity relationship diagrams, UML diagrams, flowcharts, network diagrams, and many other diagrams. It is also possible to add support for new shapes by writing simple XML files, using a subset of SVG to draw the shape.

It can load and save diagrams to a custom XML format (gzipped by default, to save space), can export diagrams to a number of formats, including EPS, SVG, XFIG, WMF and PNG, and can print diagrams (including ones that span multiple pages).

Download Dia and try using it; tell us what you think of it (visit the [Contact](#) page), including to report bugs if you find them. You can even read the

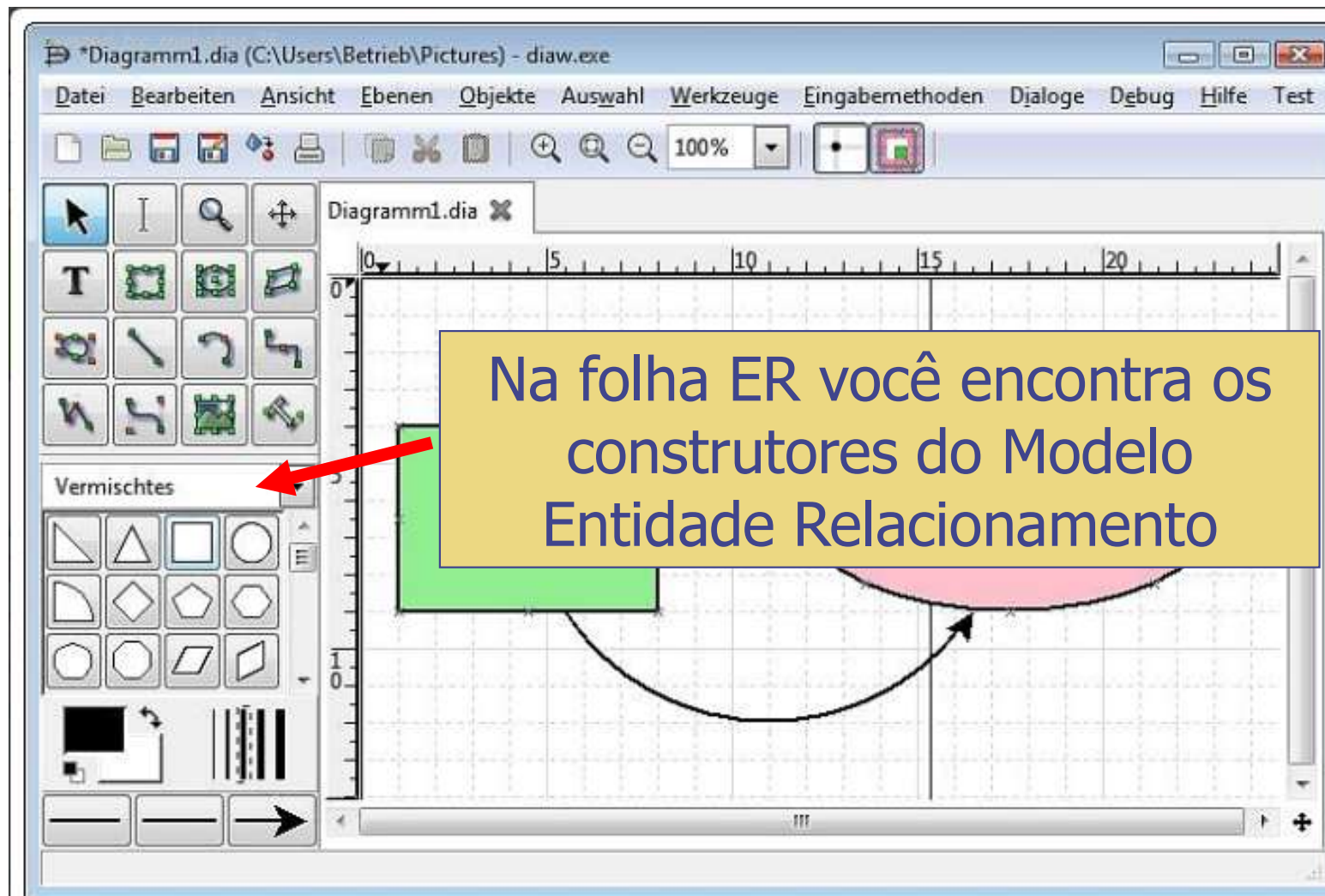
DIA

◆ <http://dia-installer.de/>



DIA

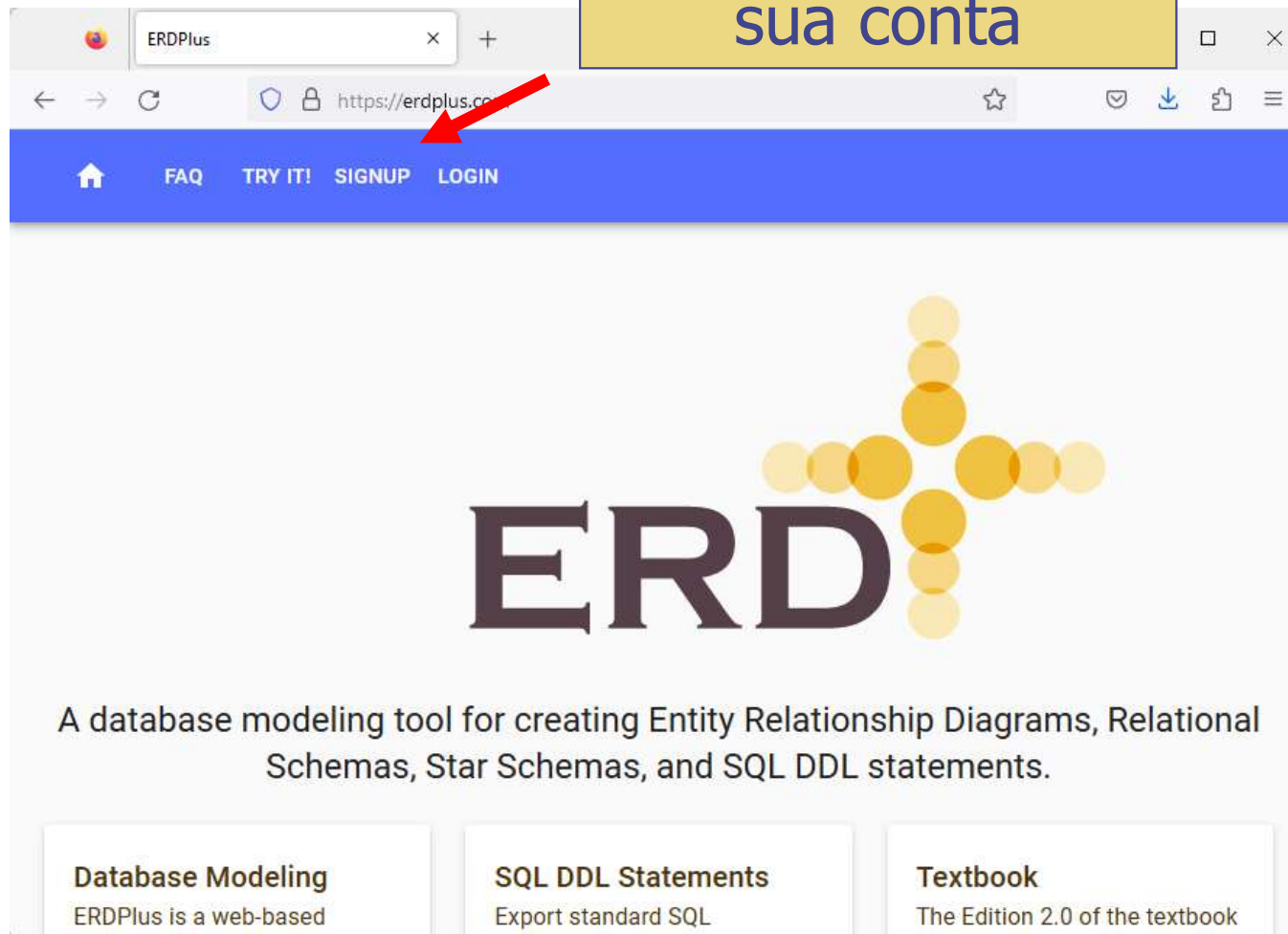
◆ <http://dia-installer.de/>



ERD

◆ <https://erdplus.com/>

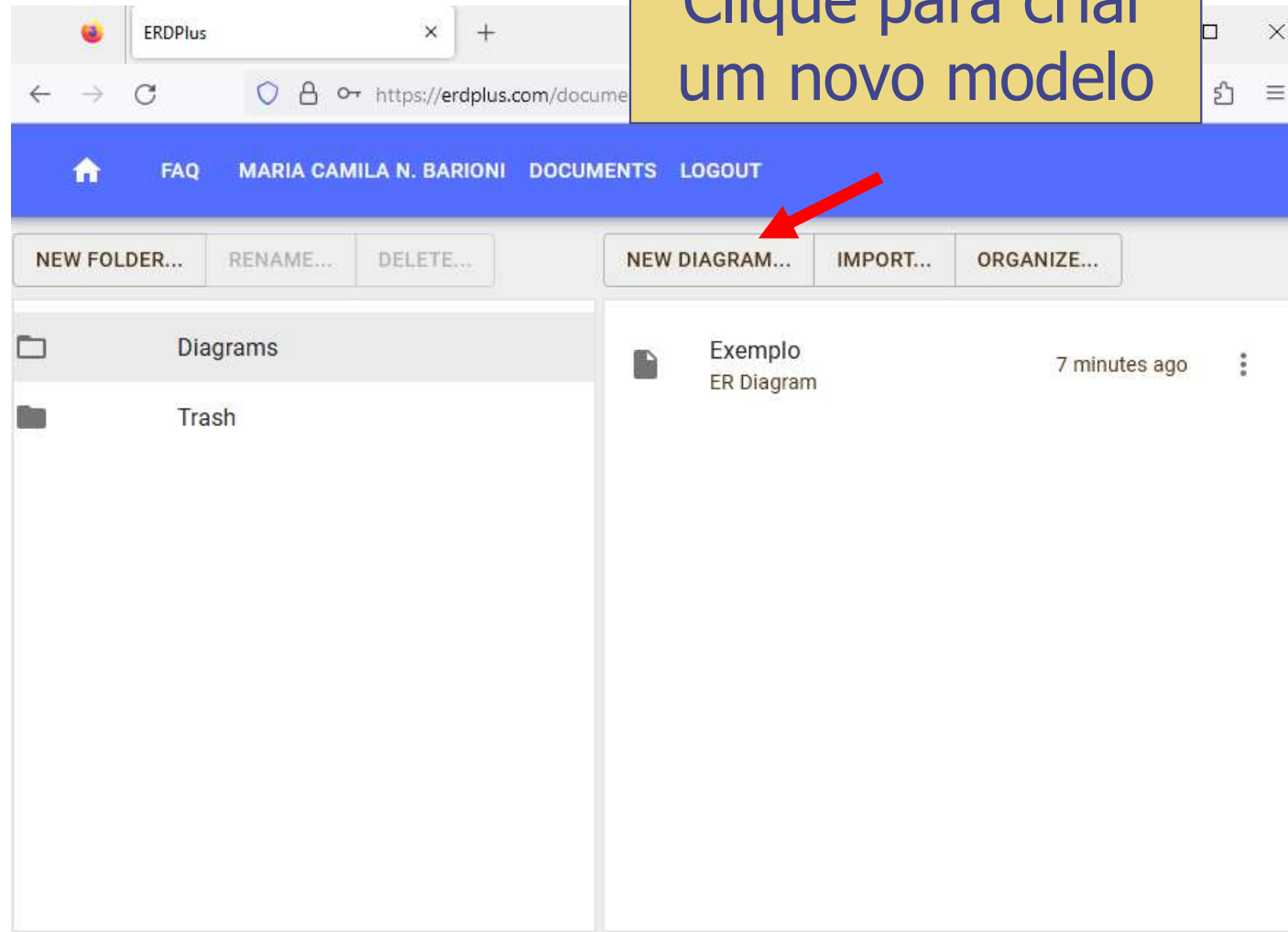
Clique para criar a sua conta



ERD

 <https://erdplus.com/>

Clique para criar
um novo modelo

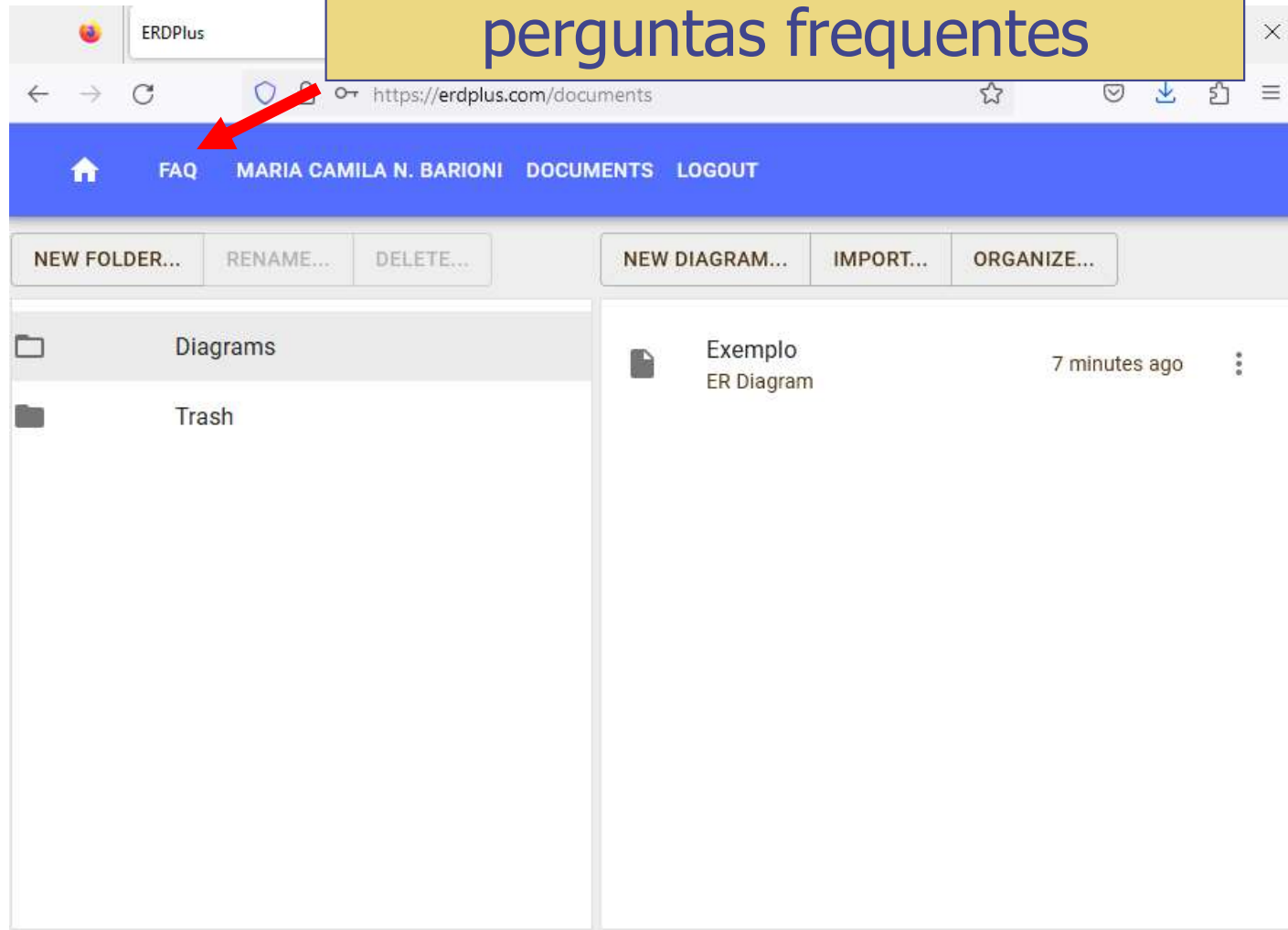


ERD



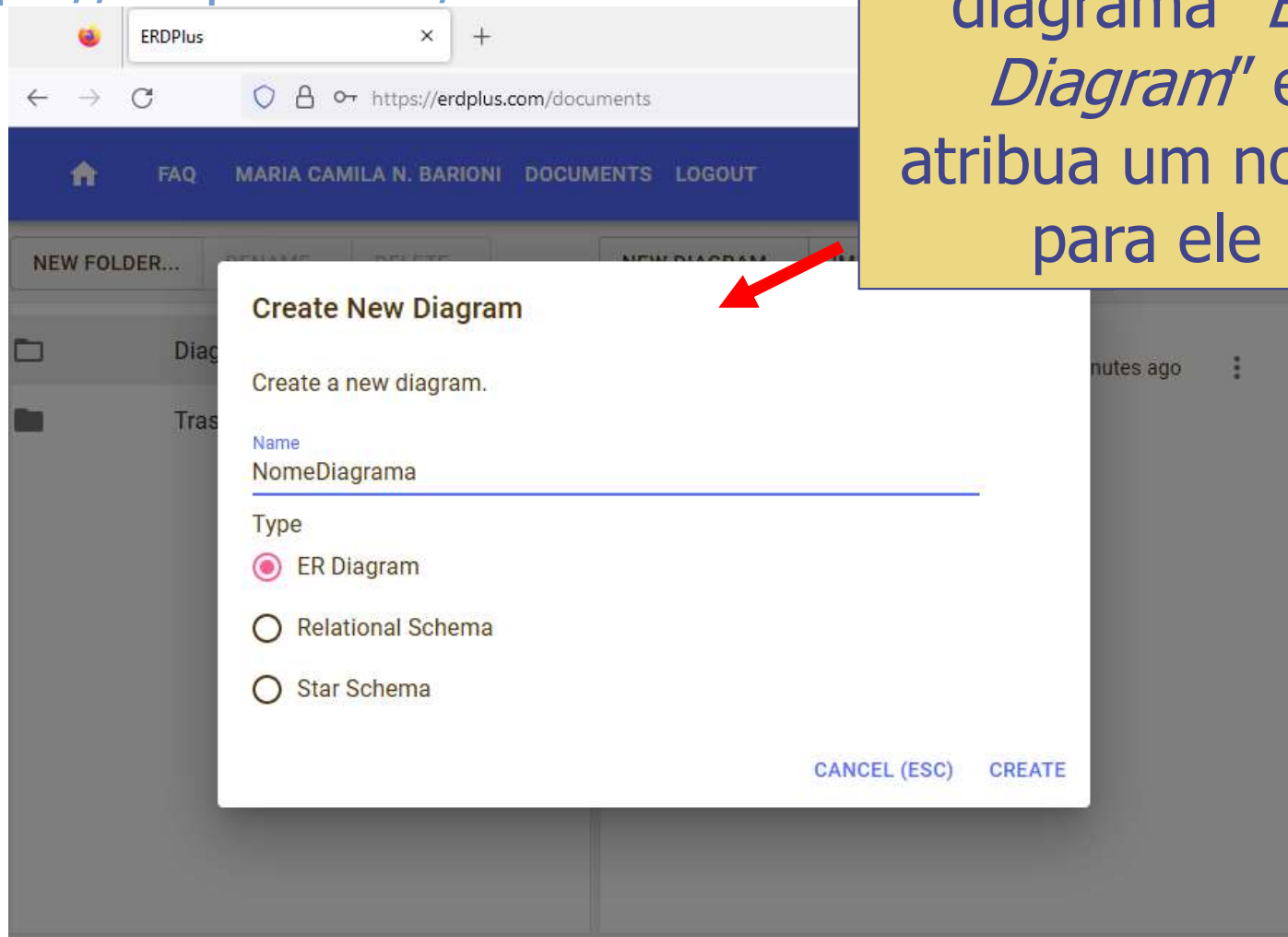
<https://erdplus.com>

Clique para obter exemplos de perguntas frequentes



ERD

 <https://erdplus.com/>



Escolha o tipo do diagrama "*ER Diagram*" e atribua um nome para ele

ERD



<https://erdplus.com/>

Construtores do
modelo ER

The screenshot displays the ERDPlus web application interface. At the top, a blue navigation bar contains links for Home, FAQ, user profile (MARIA CAMILA N. BARIONI), DOCUMENTS, and LOGOUT. Below this is a toolbar with buttons for MENU, SAVE, UNDO, REDO, DELETE, SELECT, CONNECT, ENTITY, ATTRIBUTE, RELATIONSHIP, and LABEL. A red bracket highlights the CONNECT, ENTITY, ATTRIBUTE, RELATIONSHIP, and LABEL buttons. The main workspace shows an Entity-Relationship Diagram (ERD) with two entities, 'Entidade1' (highlighted in cyan) and 'Entidade2', connected by a relationship 'Rel1'. The 'Entidade1' entity has a crow's foot notation with a triangle and a vertical bar. The 'Entidade2' entity has a crow's foot notation with a vertical bar and a crow's foot symbol. On the right side, a configuration panel for 'Entidade1' is visible, showing the 'Entity Name' as 'Entidade1' and the 'Type' as 'Regular' (selected with a radio button). Other options include 'Weak', 'Associative', and 'Supertype', each with an unselected radio button. There is also an 'ADD ATTRIBUTE' button at the bottom of the panel.

Entity Name
Entidade1

Type
☒ Regular
☐ Weak
☐ Associative
☐ Supertype
ADD ATTRIBUTE

ERD



<https://erdplus.com/>

Propriedades da Entidade1

The screenshot displays the ERDPlus web application interface. At the top, a blue navigation bar contains links for Home, FAQ, the user name MARIA CAMILA N. BARIONI, DOCUMENTS, and LOGOUT. Below this is a toolbar with buttons for MENU, SAVE, UNDO, REDO, DELETE, SELECT, CONNECT, ENTITY, ATTRIBUTE, RELATIONSHIP, and LABEL. The main workspace shows an ER diagram with two entities, 'Entidade1' (highlighted in cyan) and 'Entidade2', connected by a relationship 'Rel1'. A red bracket on the right side of the diagram points to the 'Entity Name' field in the properties panel. The properties panel on the right shows the following details for 'Entidade1':

- Entity Name: Entidade1
- Type: ☒ Regular, ☐ Weak, ☐ Associative, ☐ Supertype
- ADD ATTRIBUTE button

ERD



<https://erdplus.com/>

Propriedades do Rel1

ERDPlus

<https://erdplus.com/edit-diagram/3243d717-1fc3-404b-8c7f-01abc2e24a9>

FAQ MARIA CAMILA N. BARIONI DOCUMENTS LOGOUT

MENU SAVE UNDO REDO DELETE SELECT CONNECT ENTITY ATTRIBUTE RELATIONSHIP LABEL

Entidade1 Rel1 Entidade2

Relationship Name
Rel1

☐ Identifying

Entity One
Entidade1

☐ Mandatory ☒ One

☐ Optional ☐ Many

☒ Unspecified ☐ Unspecified

Entity Two
Entidade2

☐ Mandatory ☐ One

☐ Optional ☒ Many

☒ Unspecified ☐ Unspecified

ERD

◆ <https://erdplus.com/>

◆ Materiais de apoio com exemplos de uso da ferramenta

◆ <https://www.youtube.com/watch?v=A5-yy51eNGY>

◆ [https://www.fer.unizg.hr/_download/repository/ERDplus_-_instructions\[1\].pdf](https://www.fer.unizg.hr/_download/repository/ERDplus_-_instructions[1].pdf) (páginas 07 até 12)