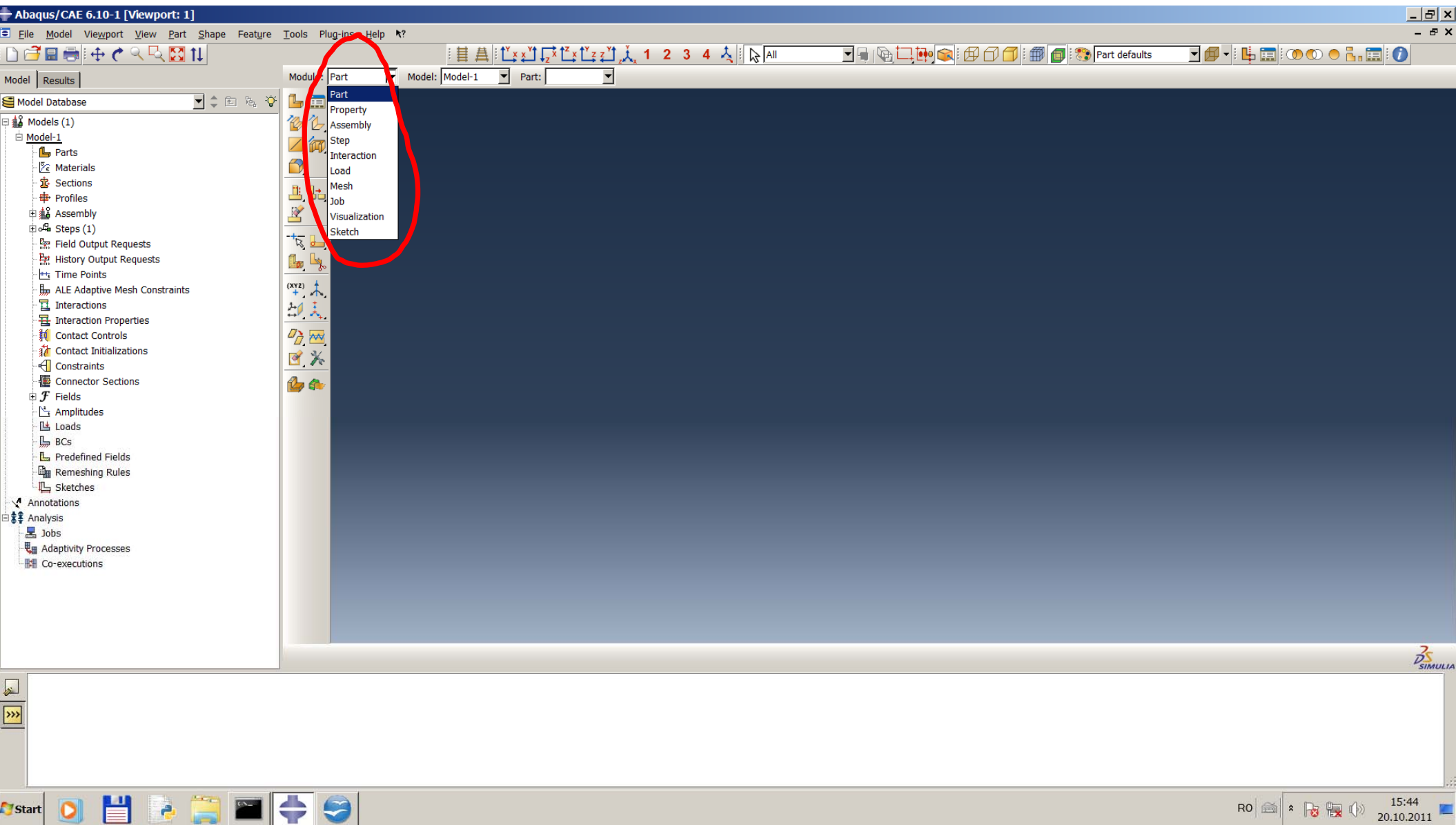


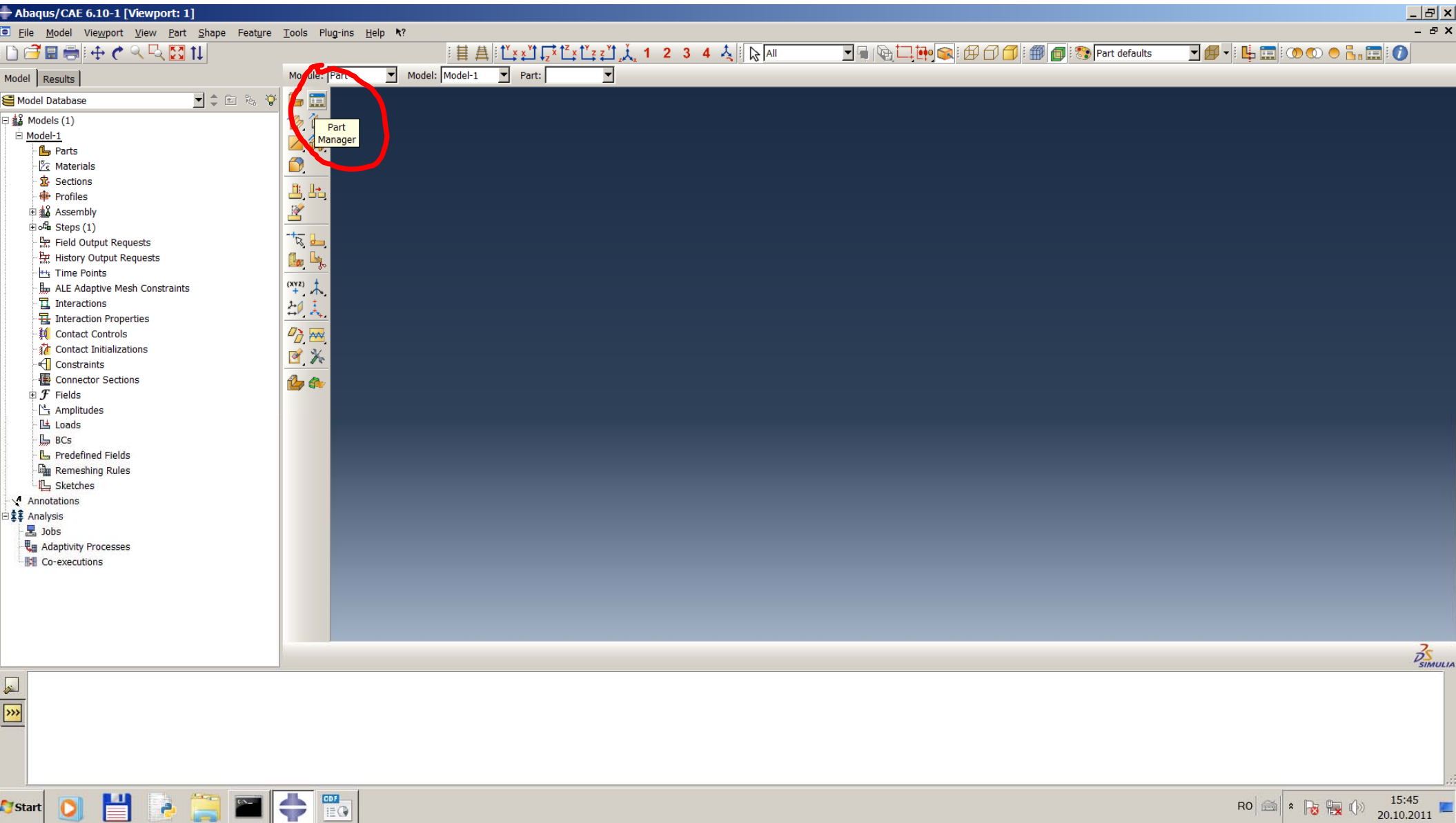
Grinda cu zabrele

- Elemente finite de tip TRUSS

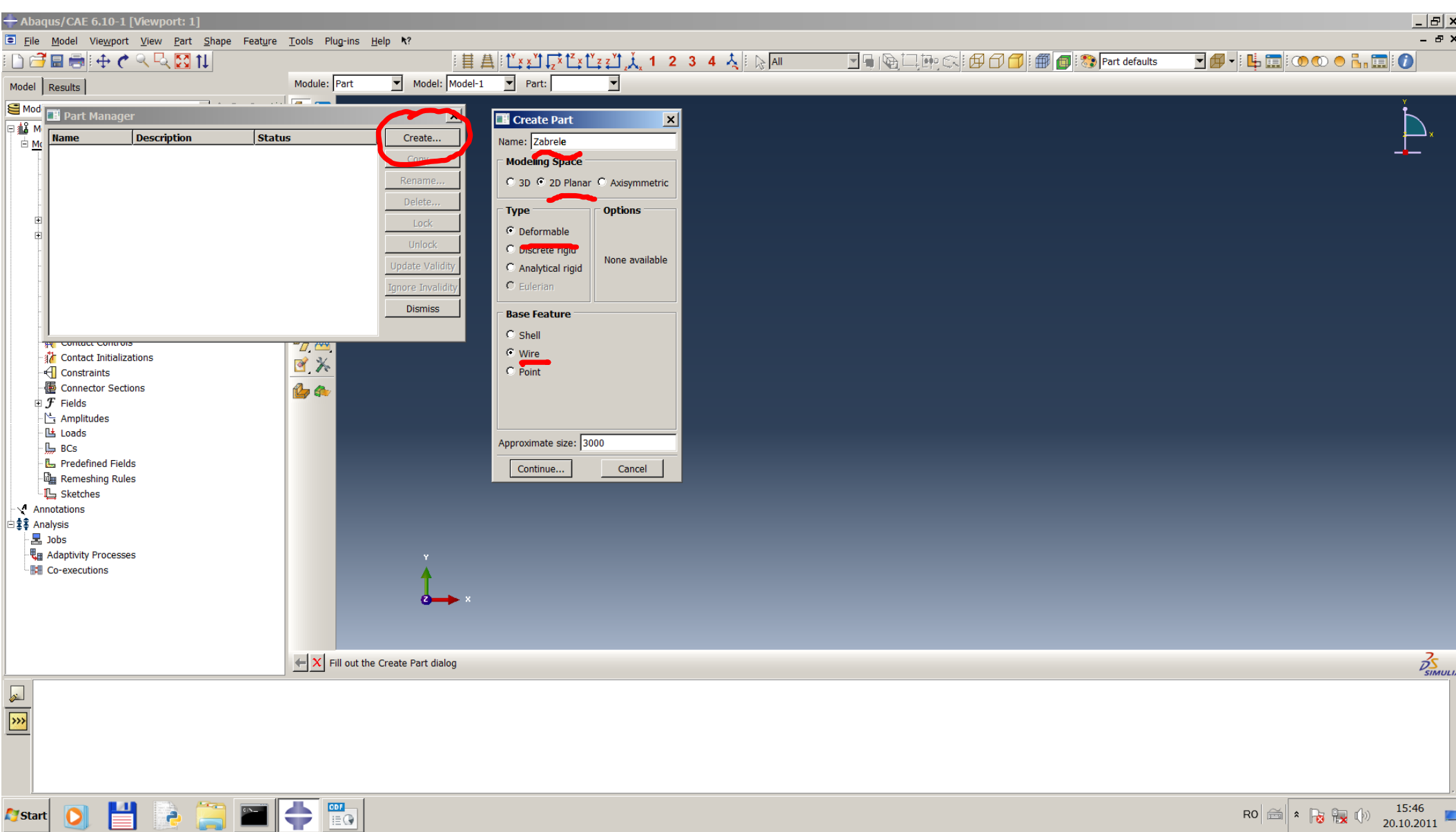
Modulul - Part



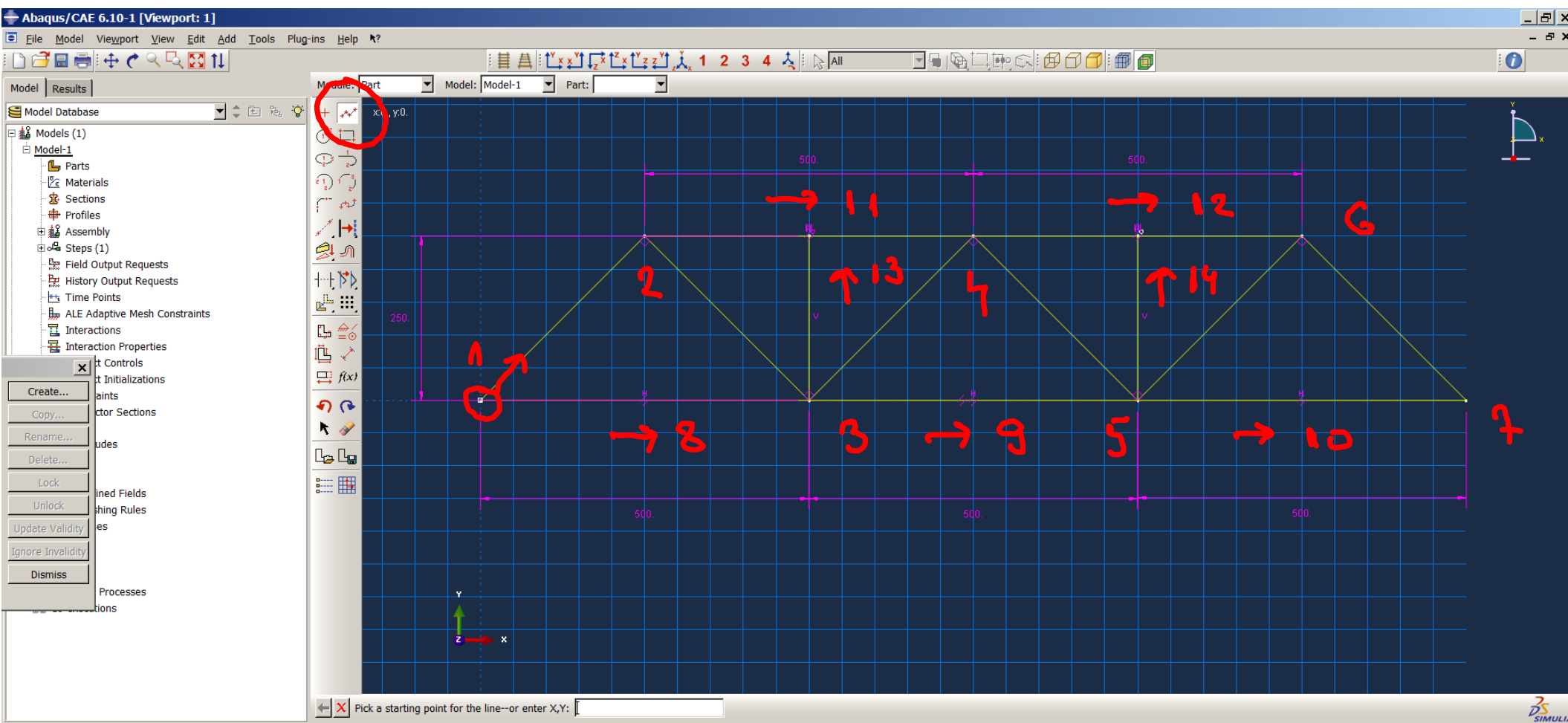
Manager Part



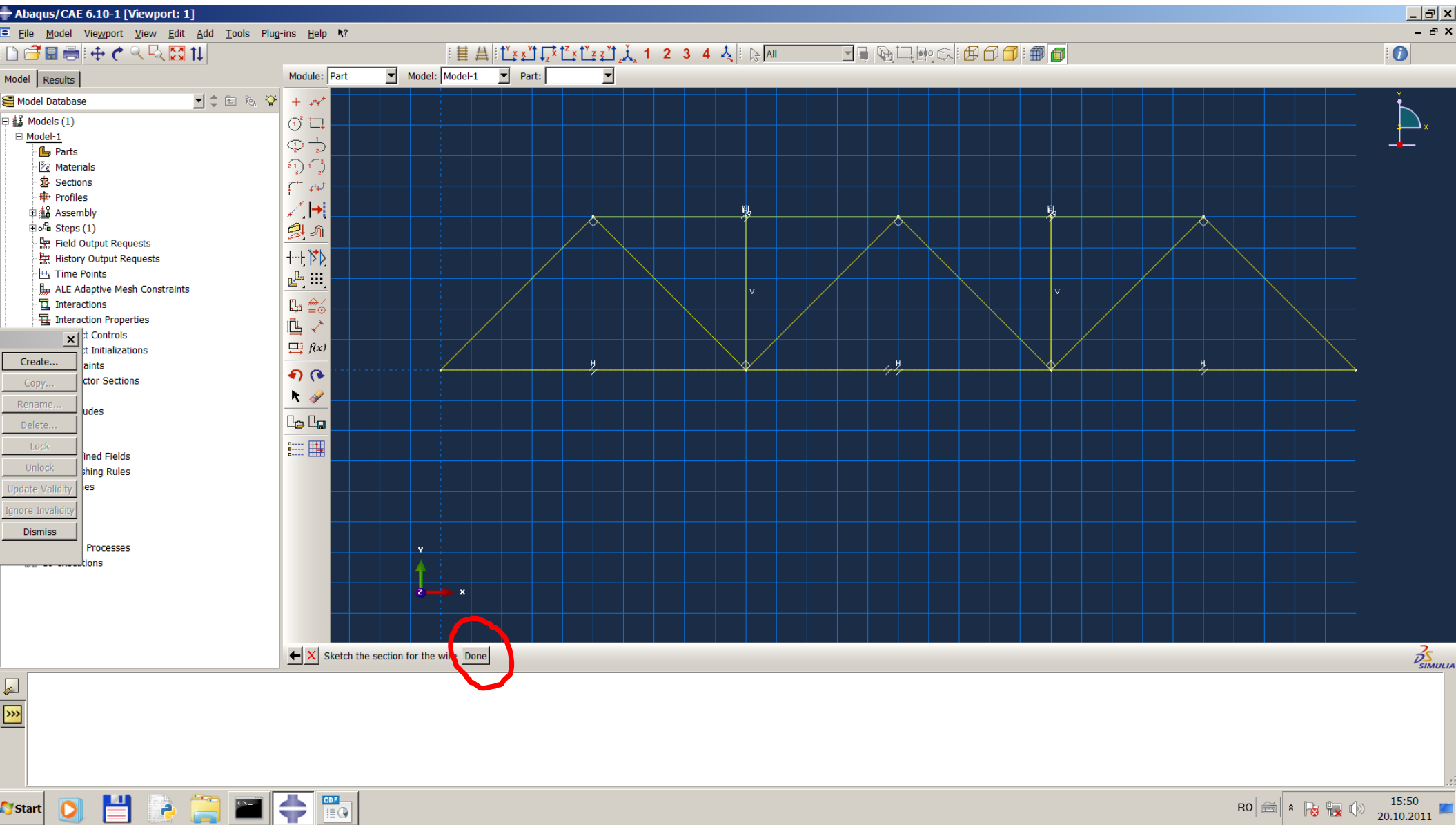
Crearea part 2D deformable wire



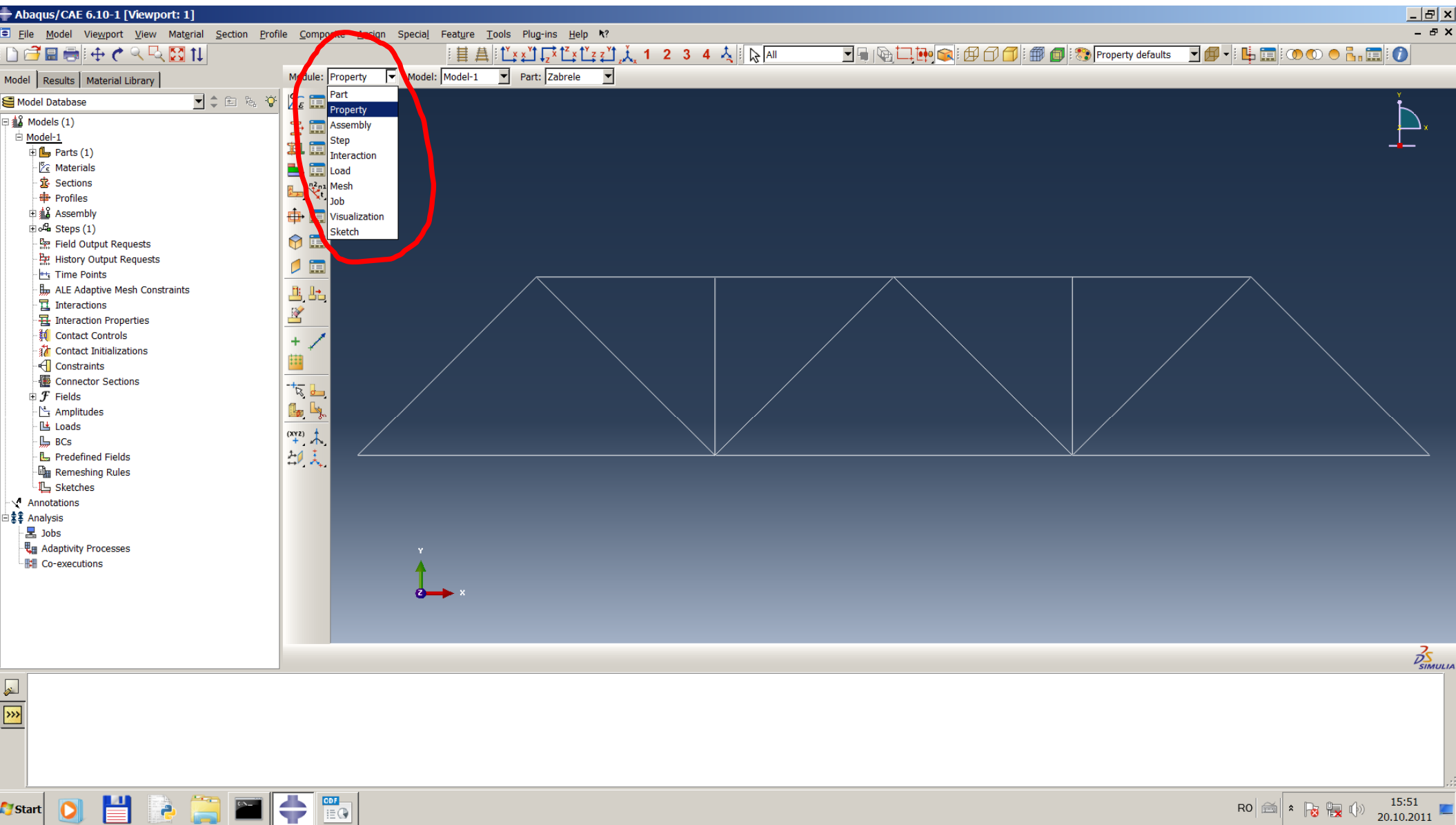
Crearea sketch



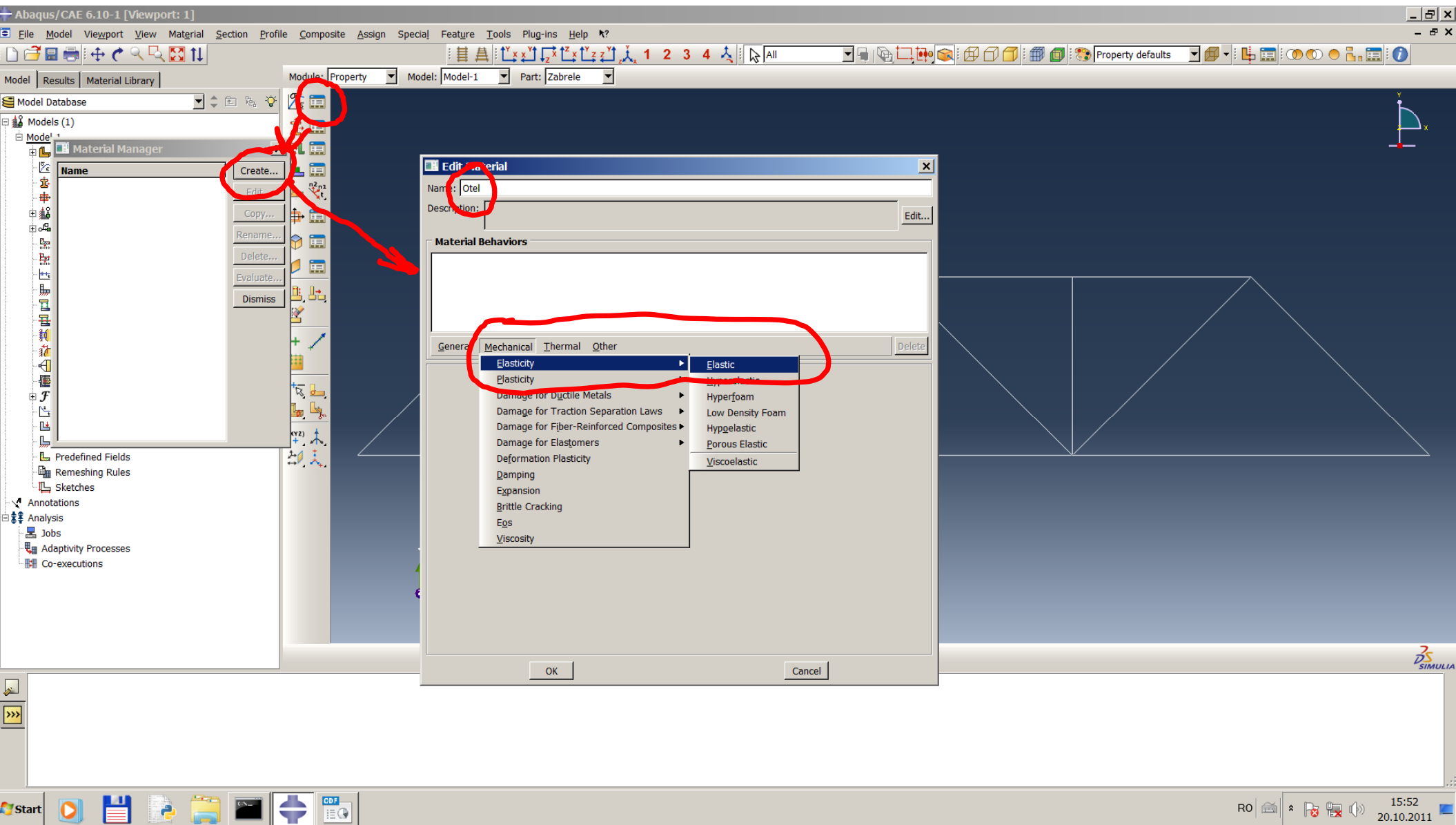
Crearea sketch



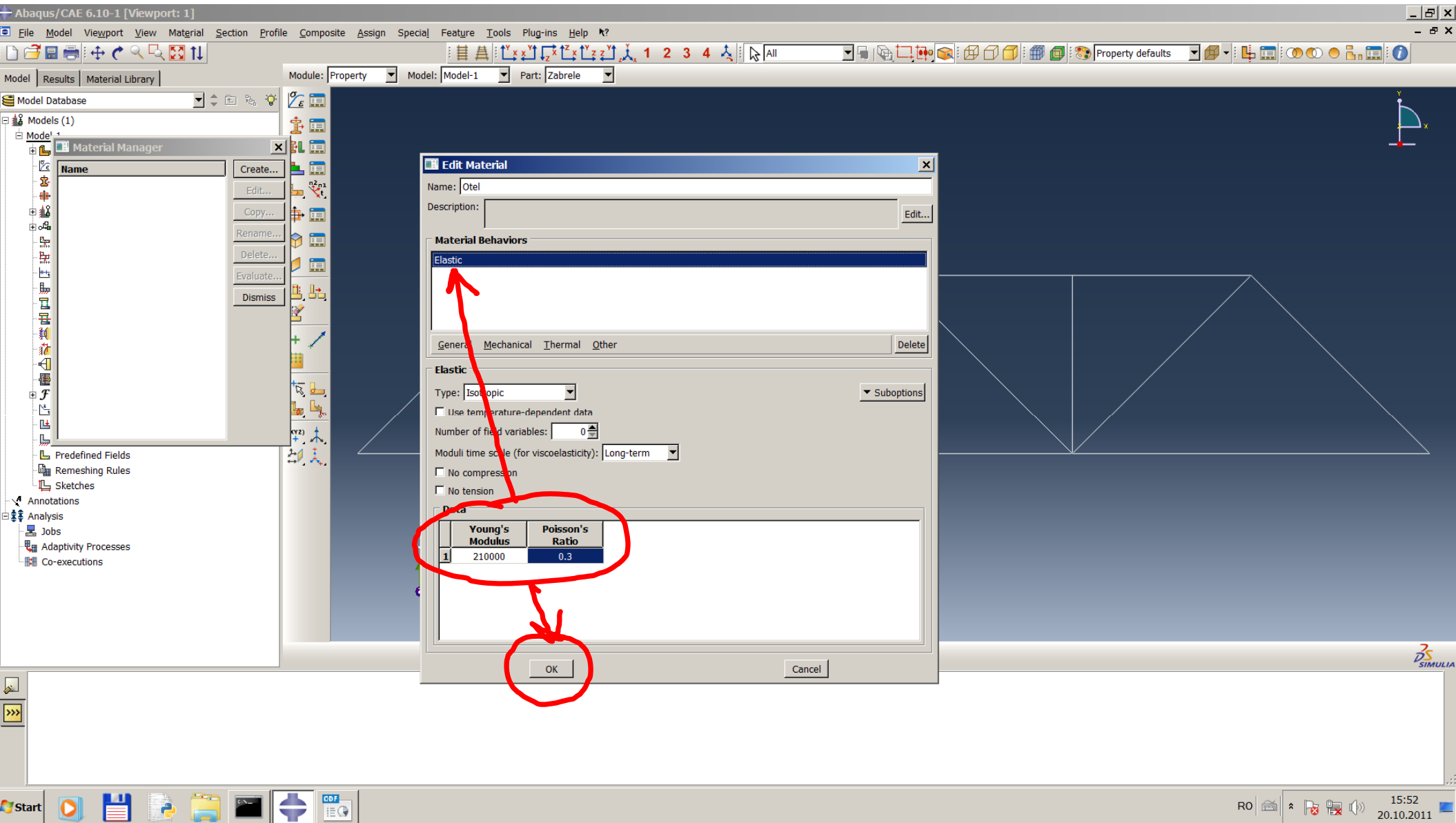
Modulul Property



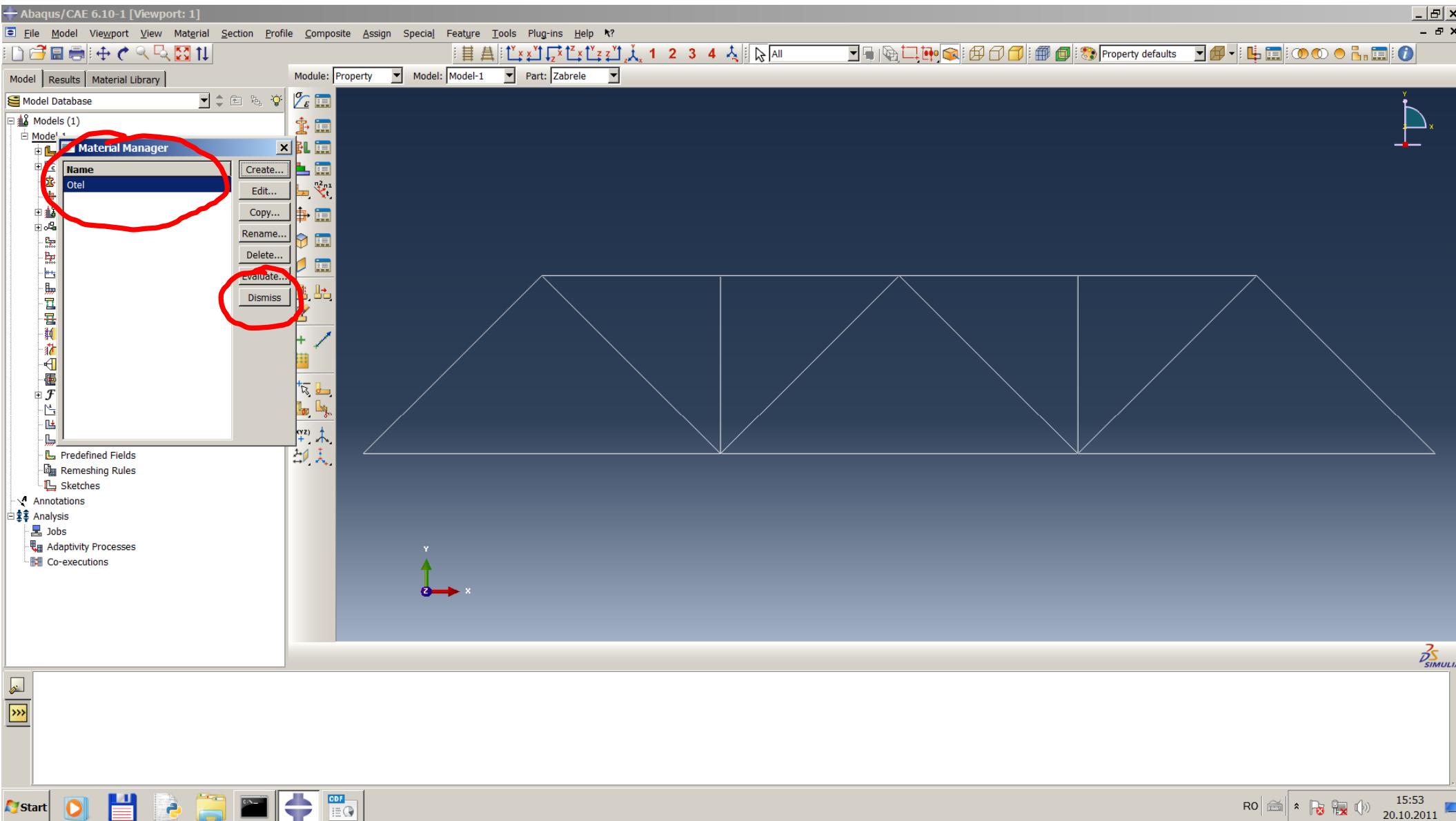
Crearea material – comportare elastica



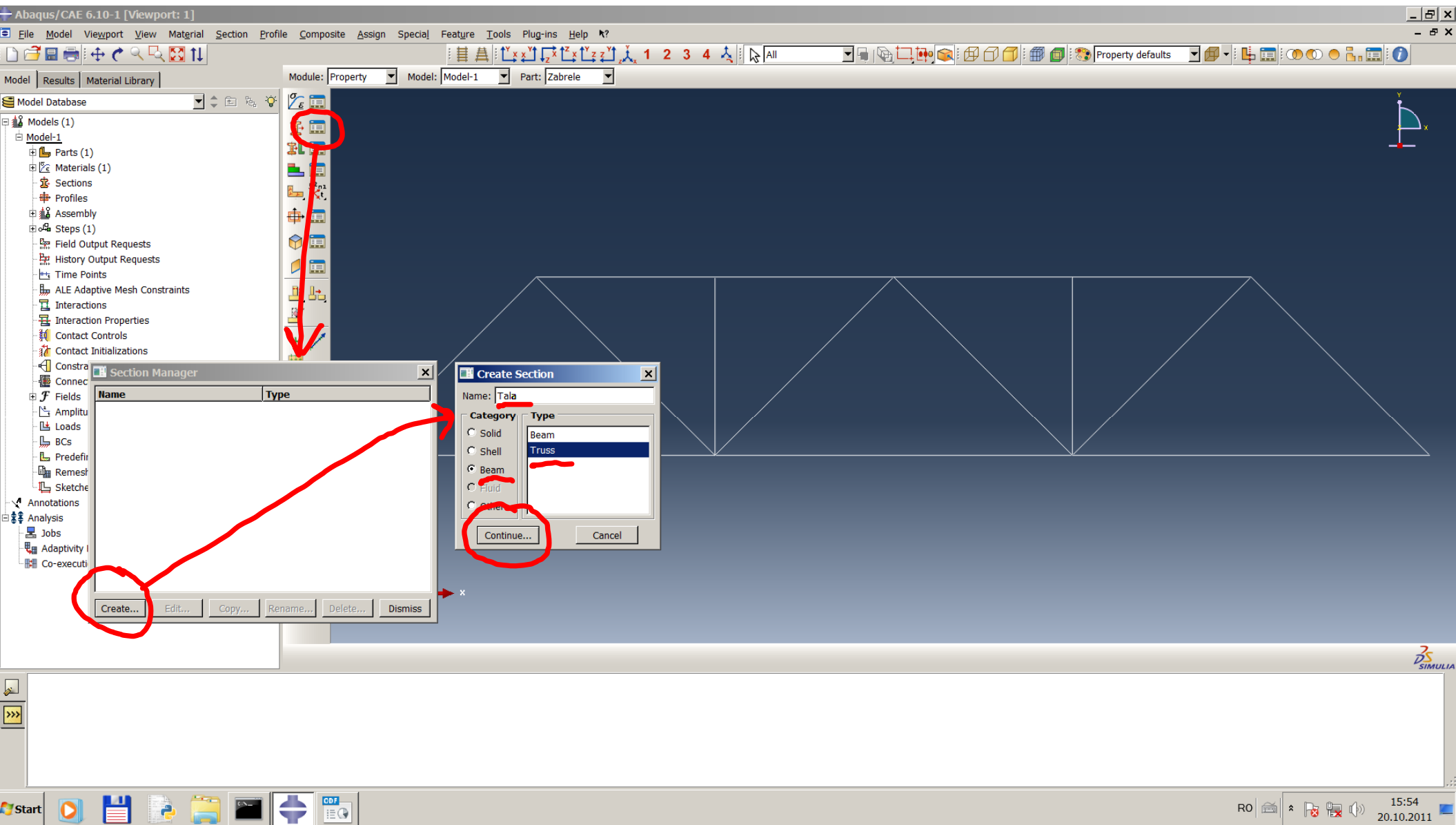
Crearea materialului – Modul elastic longitudinal si coeficientul lui Poisson



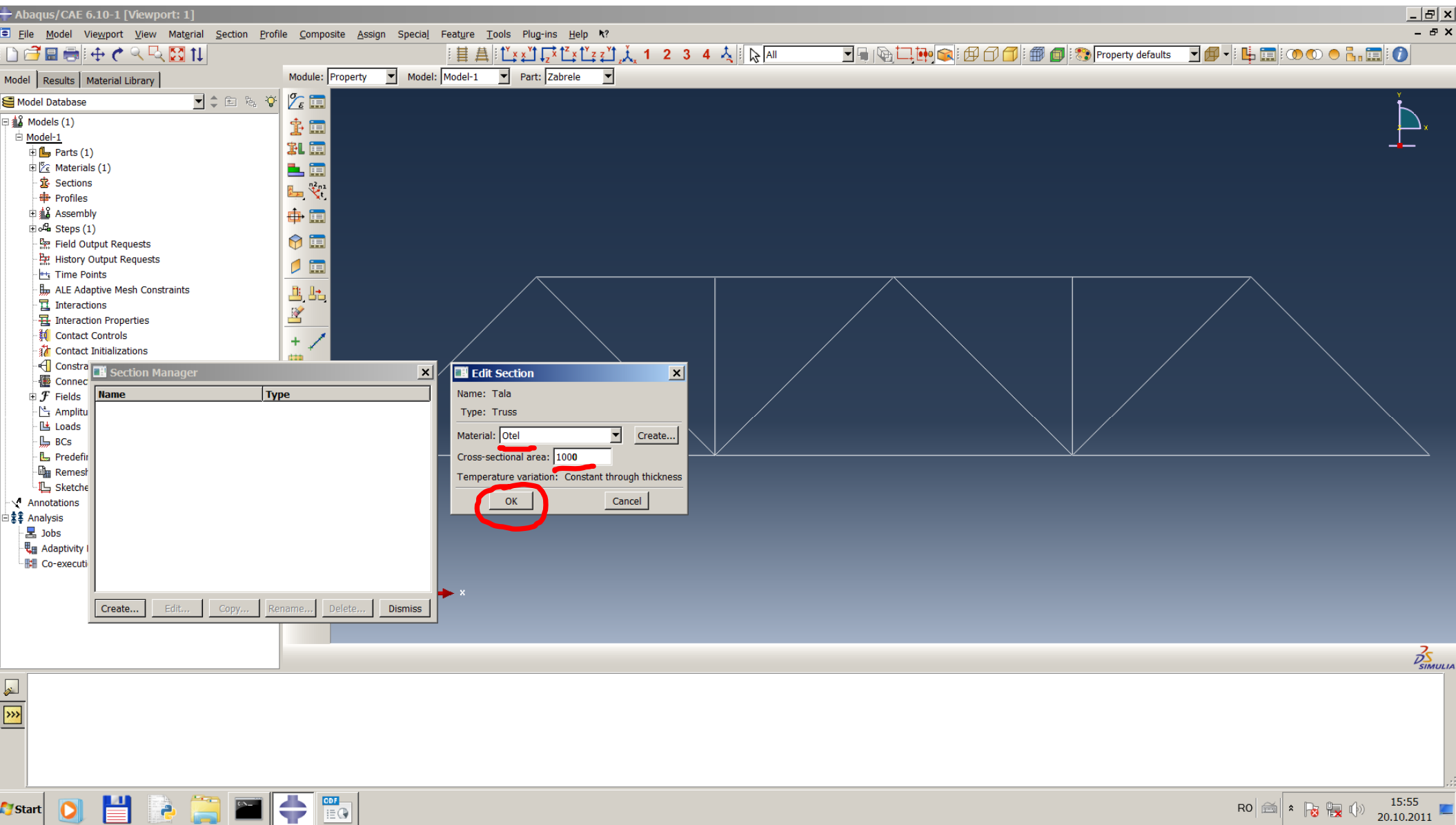
Otel



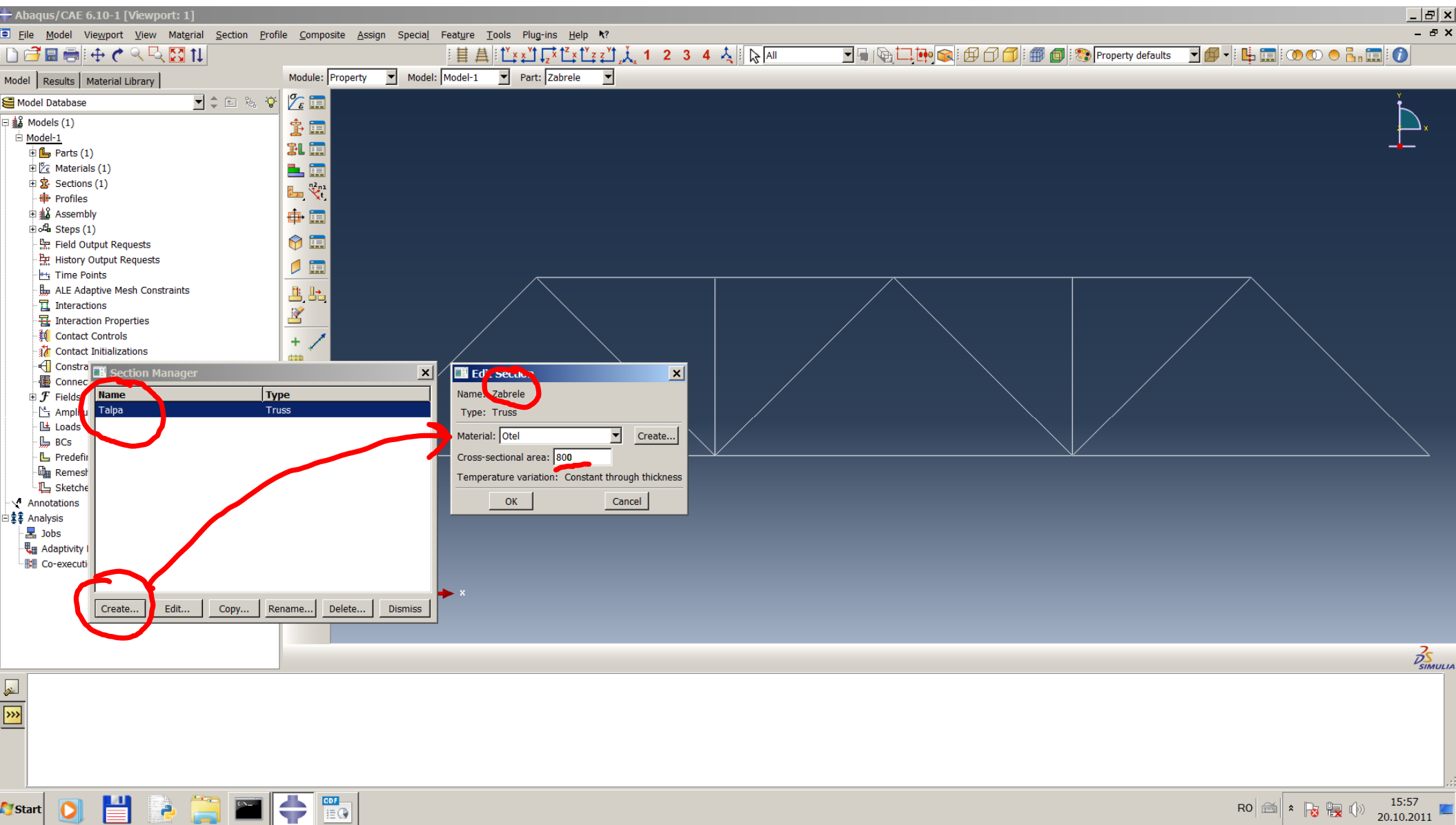
Crearea sectiunii talpa – truss (element de tip zabrea)



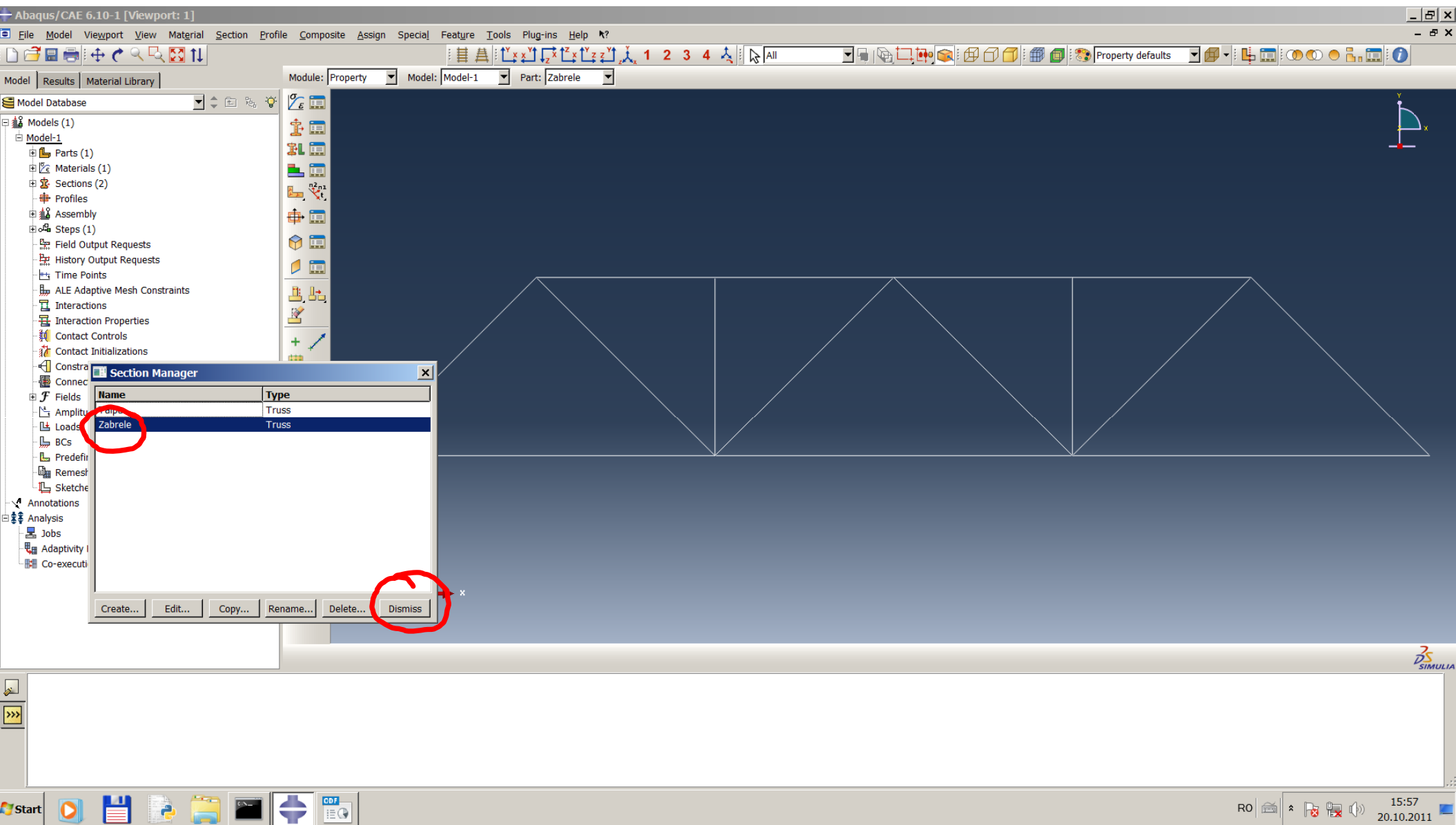
Crearea sectiunii talpa – introducerea materialului si a ariei



Crearea sectiunii zabrele

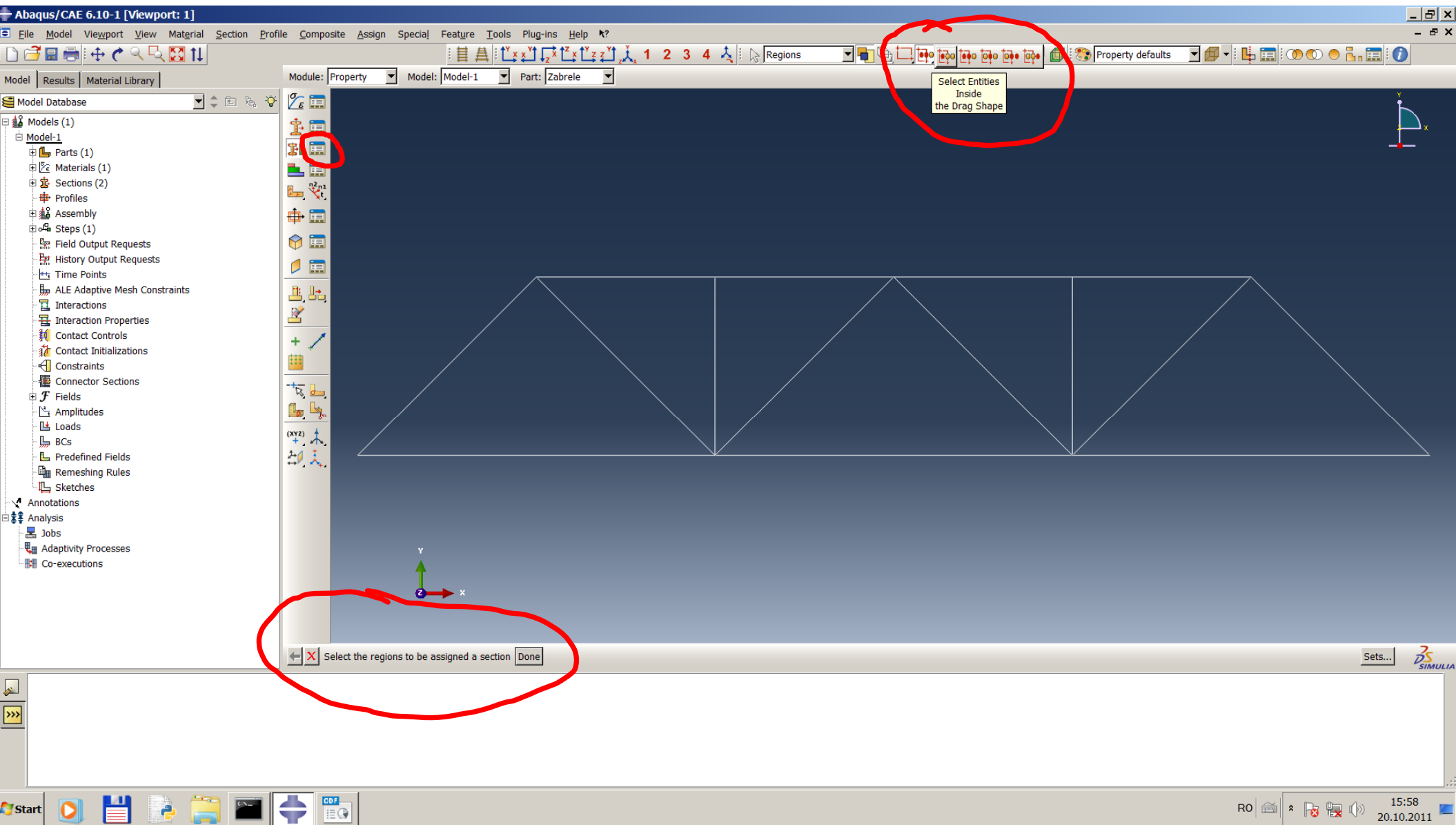


Crearea sectiunii zabrele

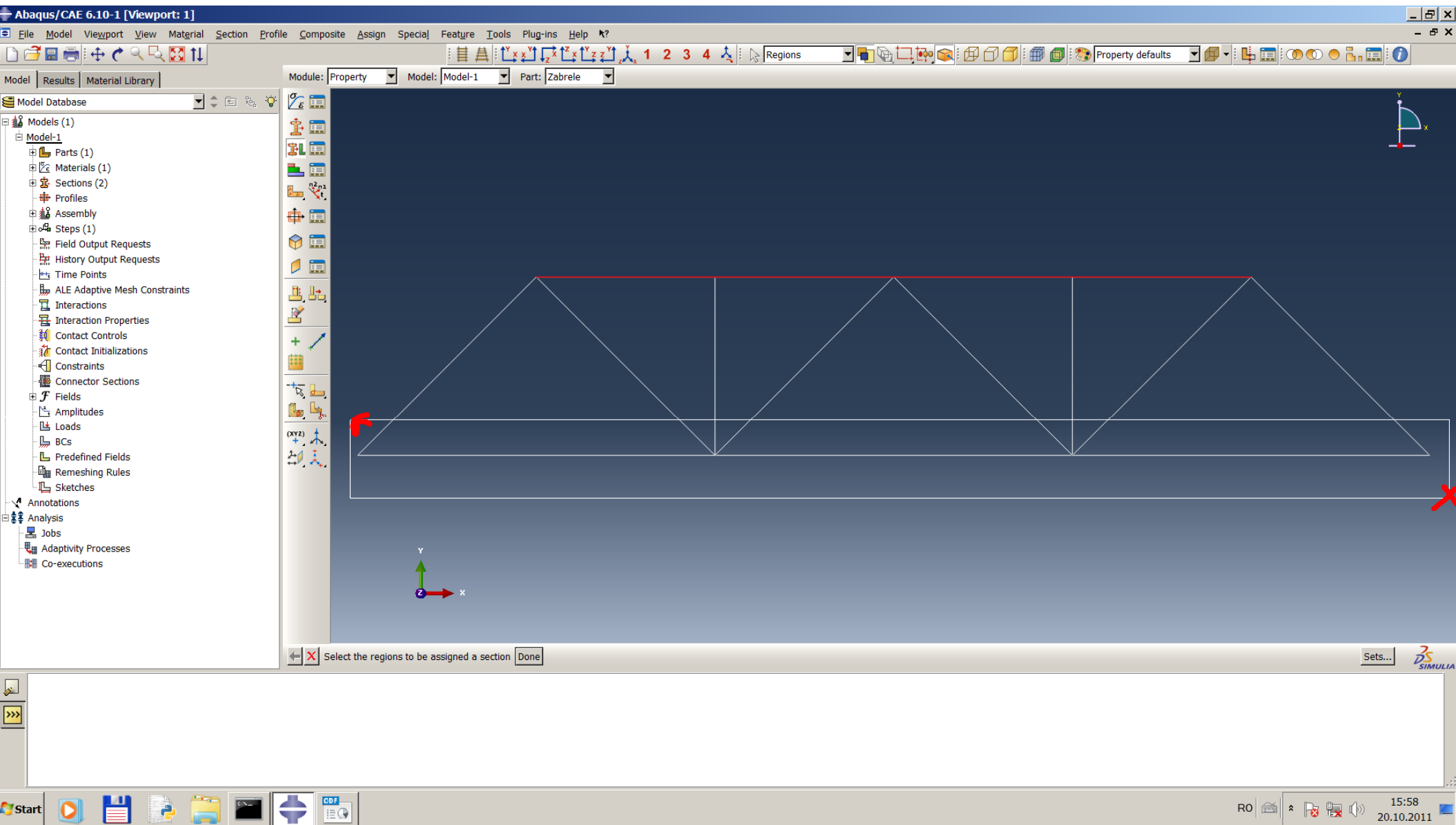


Atribuirea sectiunii

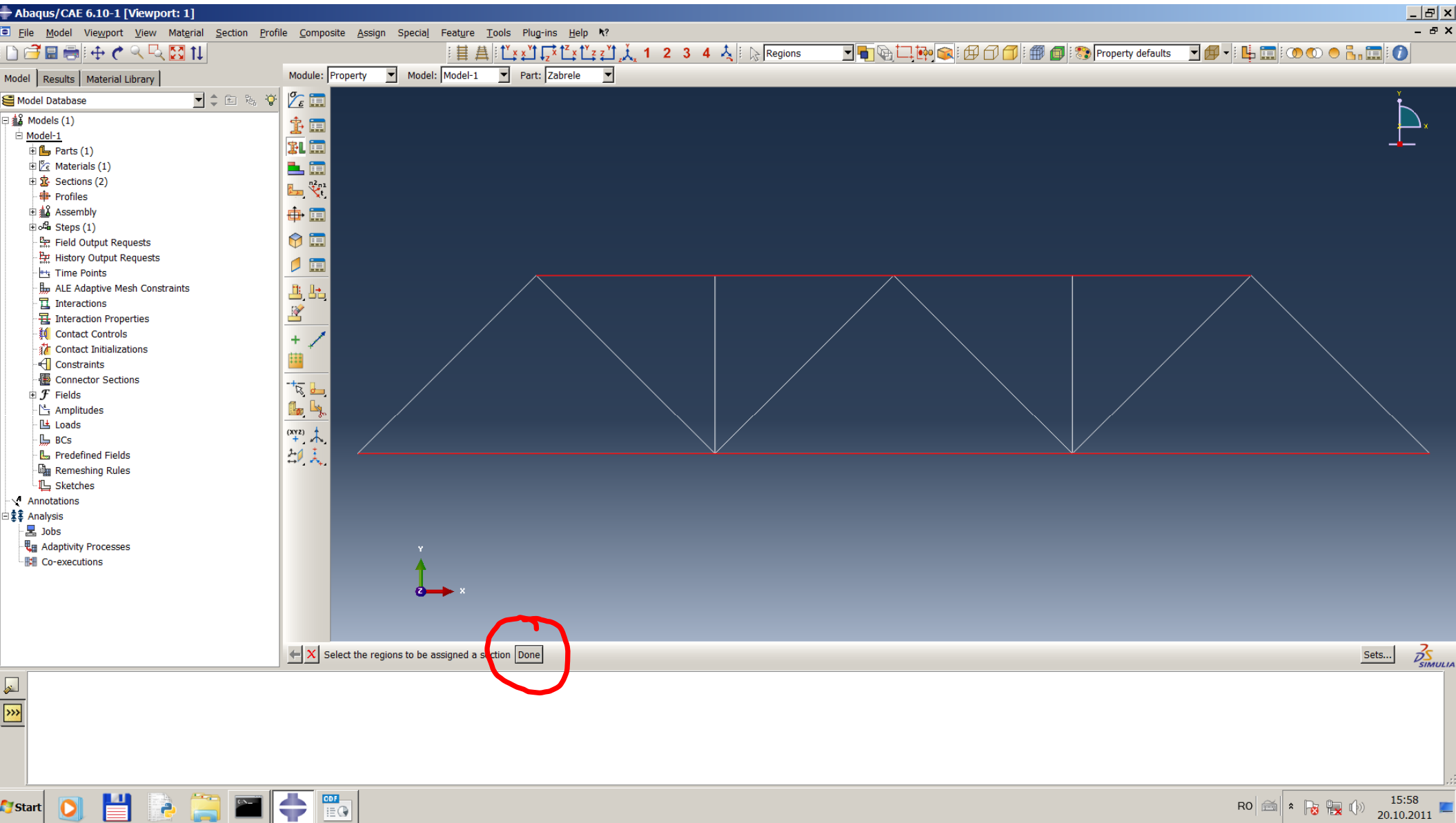
SELECTION OPT.



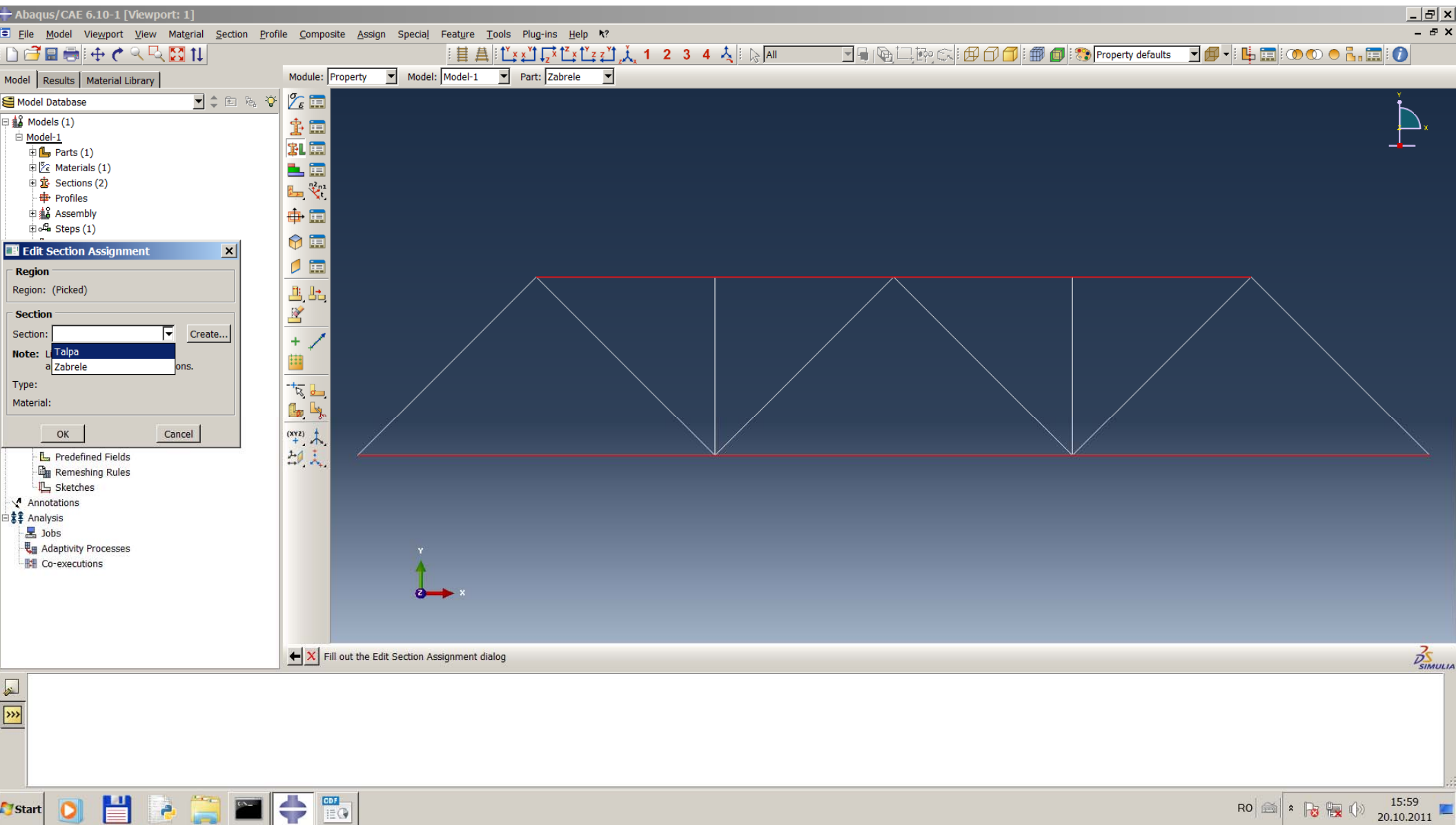
Selectarea talpilor



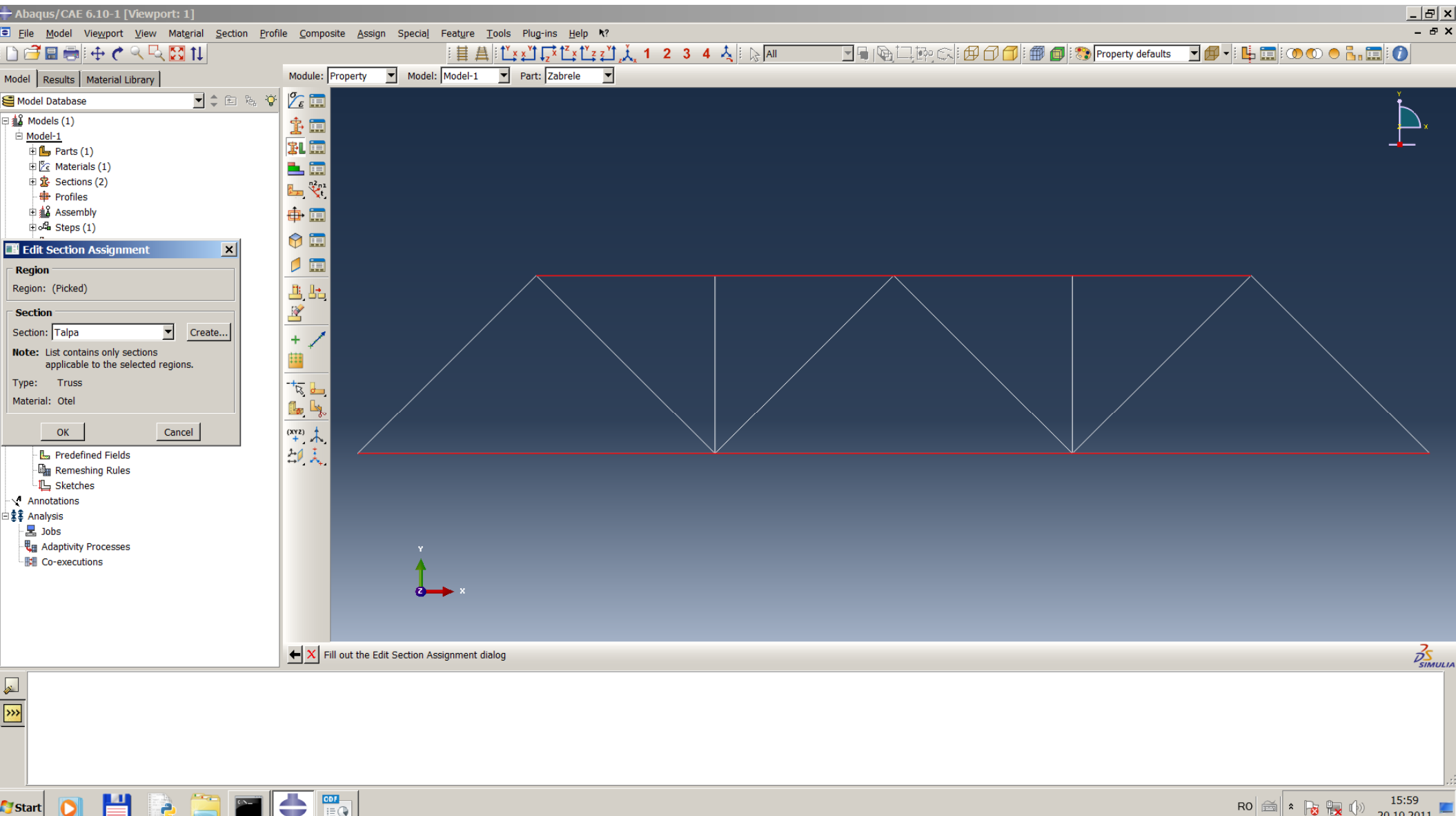
Selectarea talpilor



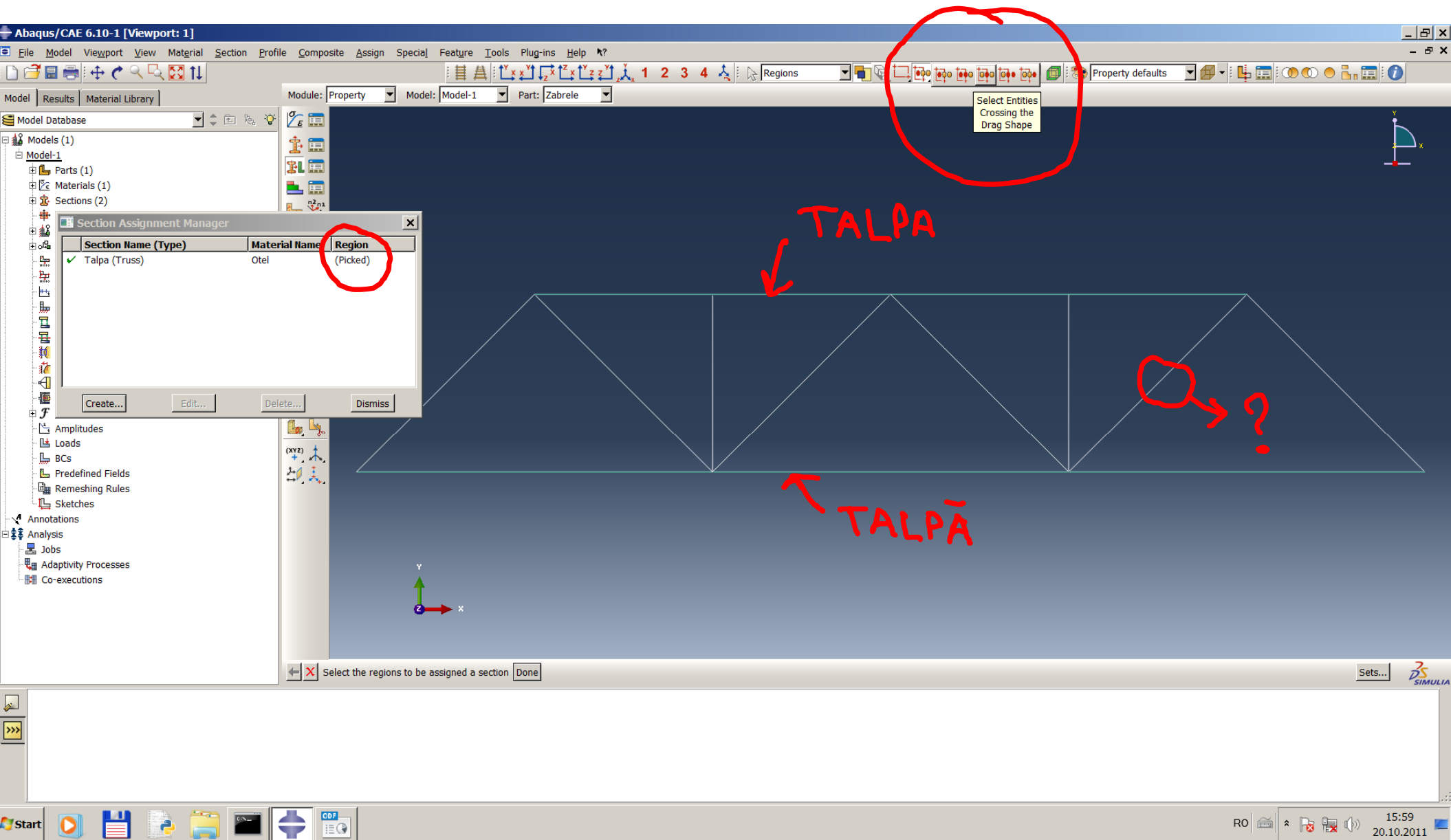
Atribuirea sectiunii - talpa



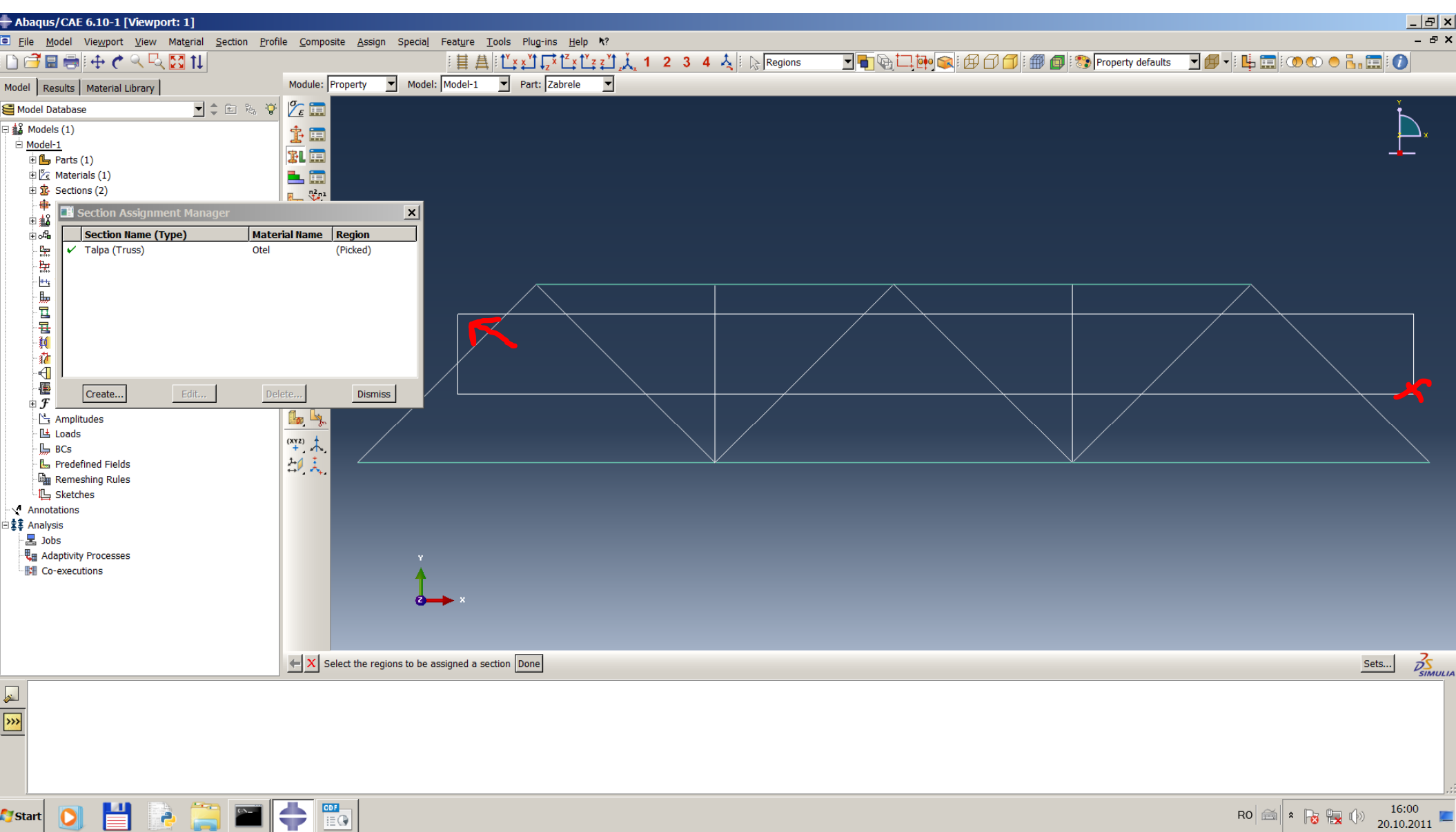
Atribuirea sectiunii - talpa



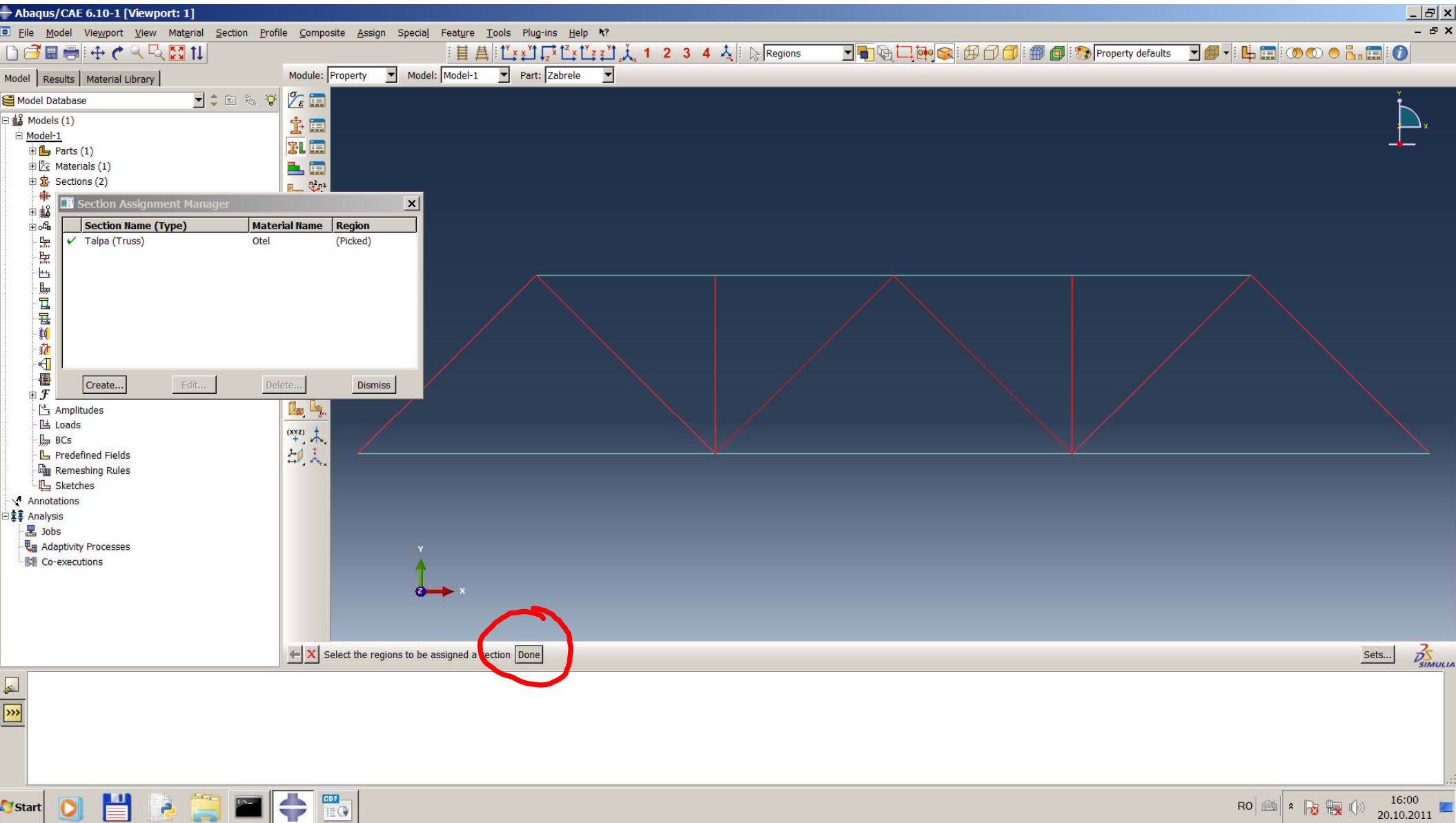
Atribuirea sectiunii



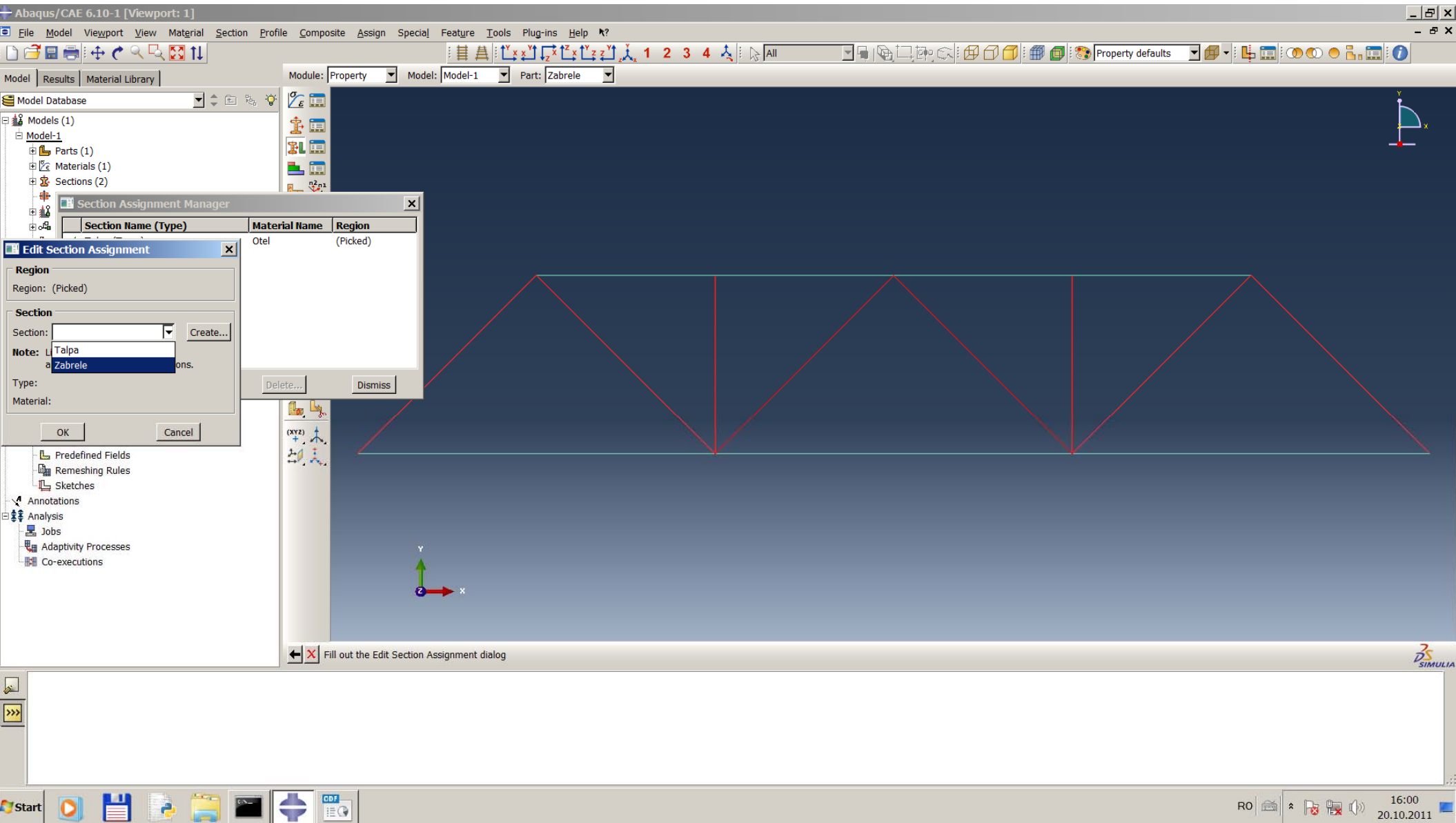
Selectarea diagonalelor si a montantilor



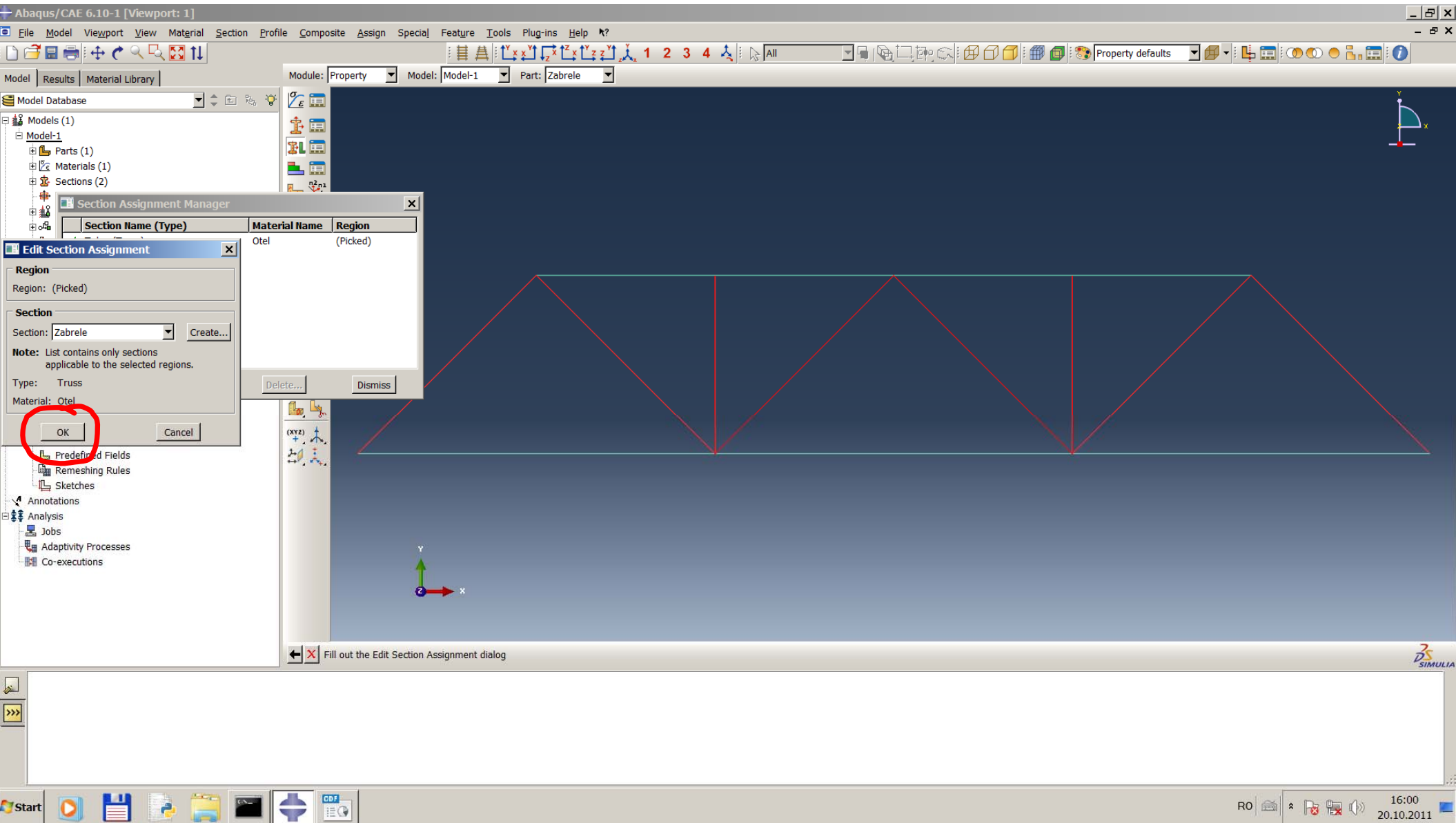
Selectarea diagonalelor si a montanților



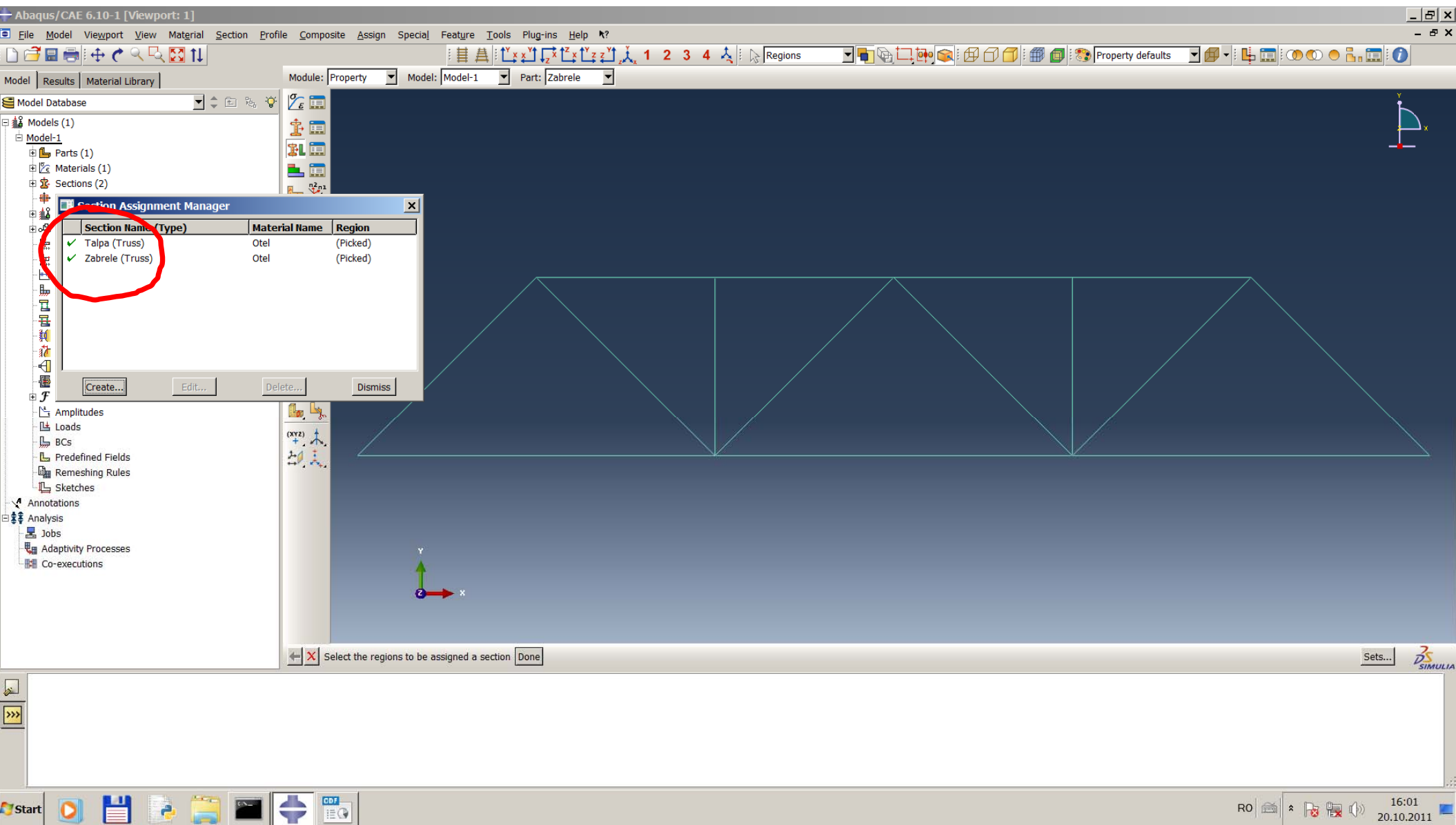
Atribuirea sectiunii - zabrele



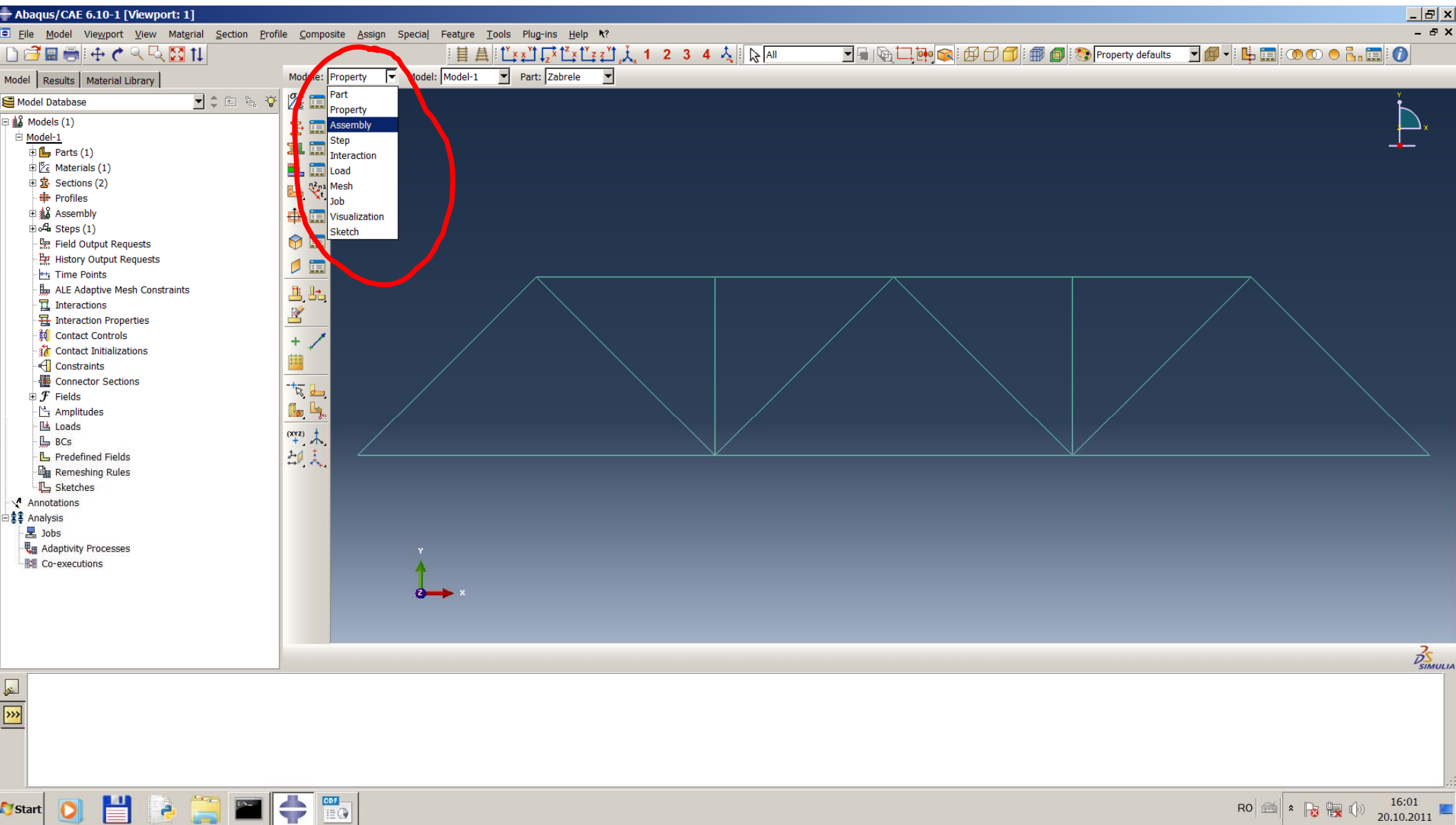
Atribuirea sectiunii - zabrele



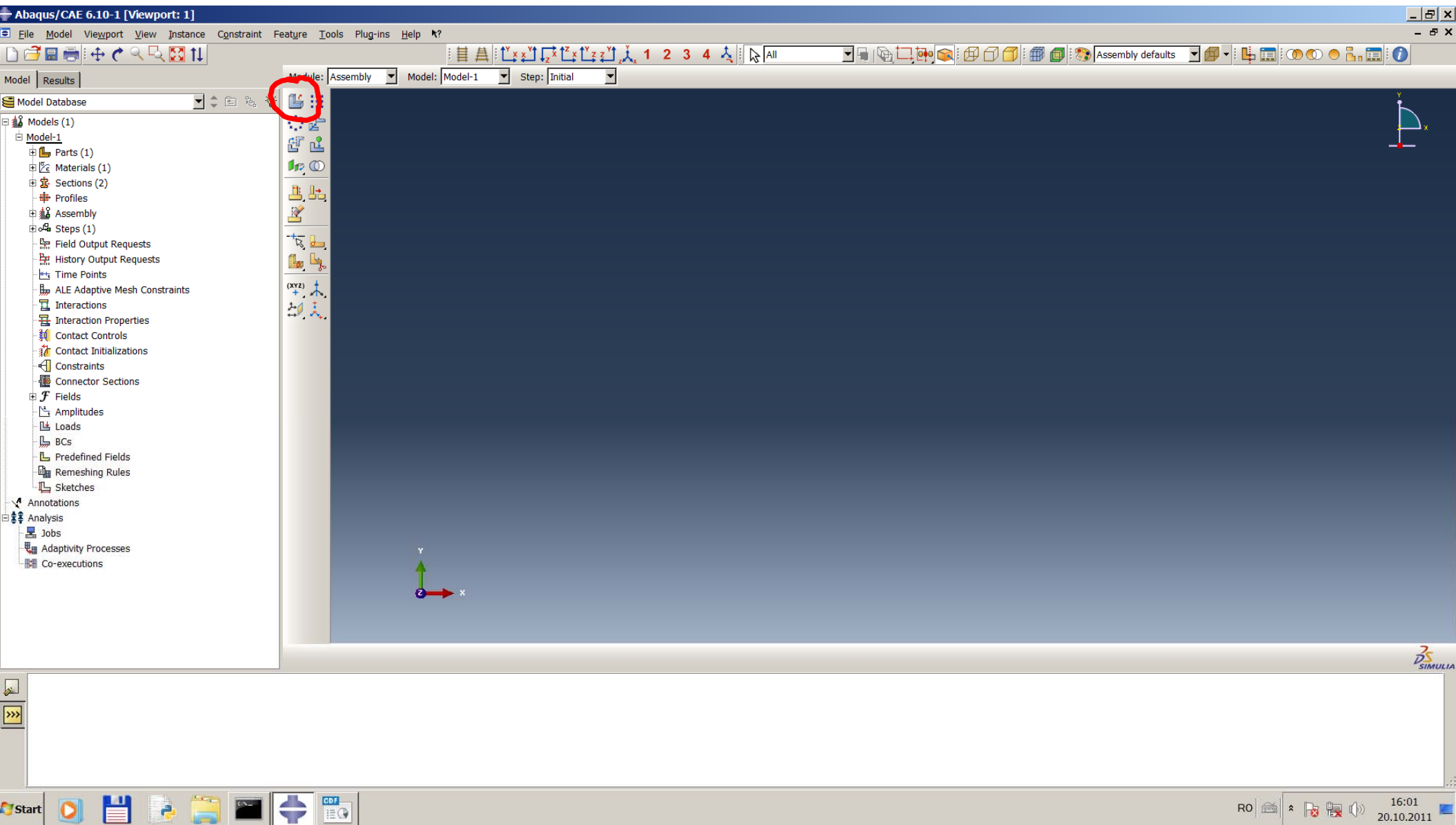
Atribuirea sectiunii



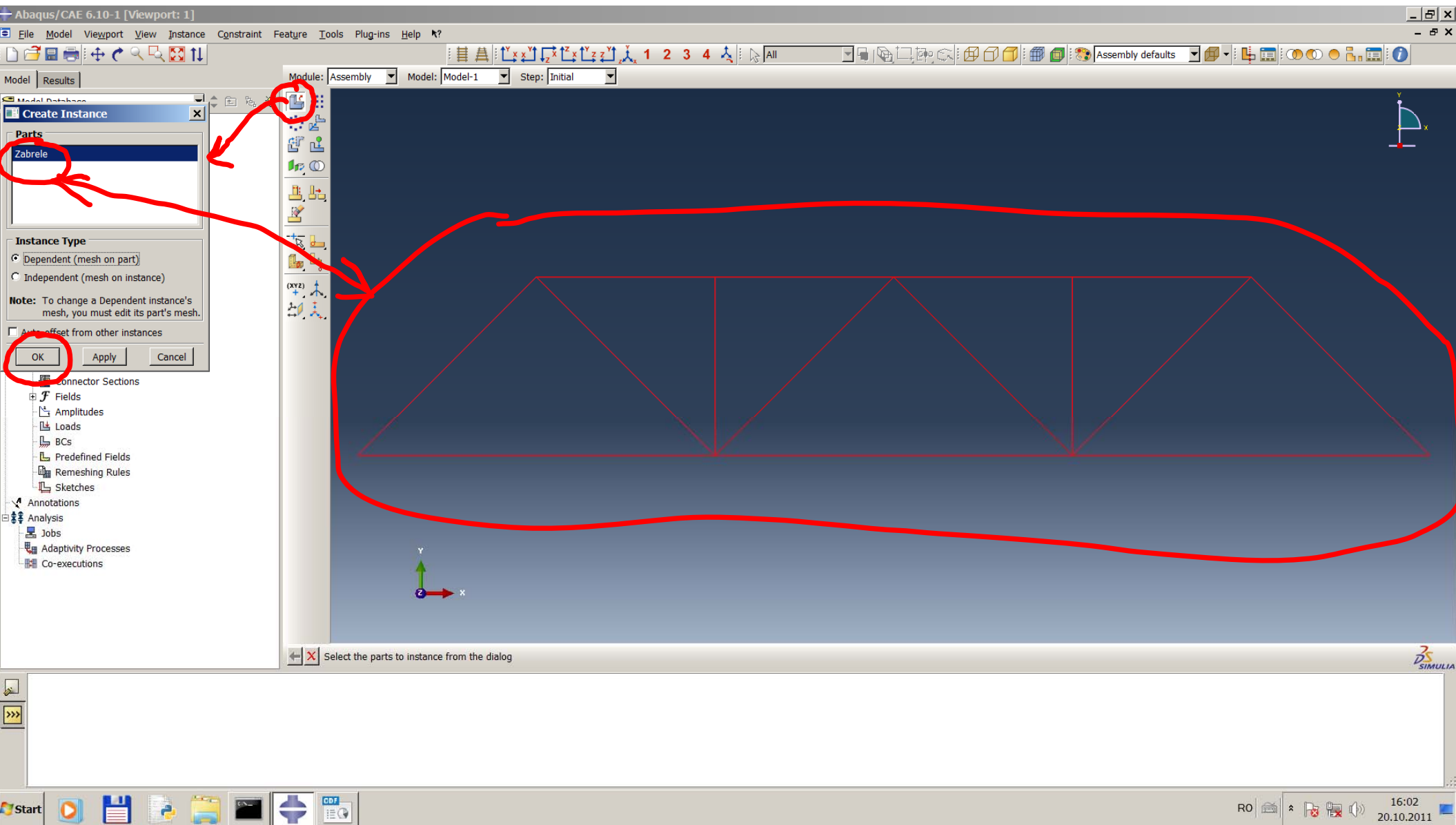
Modulul Assembly



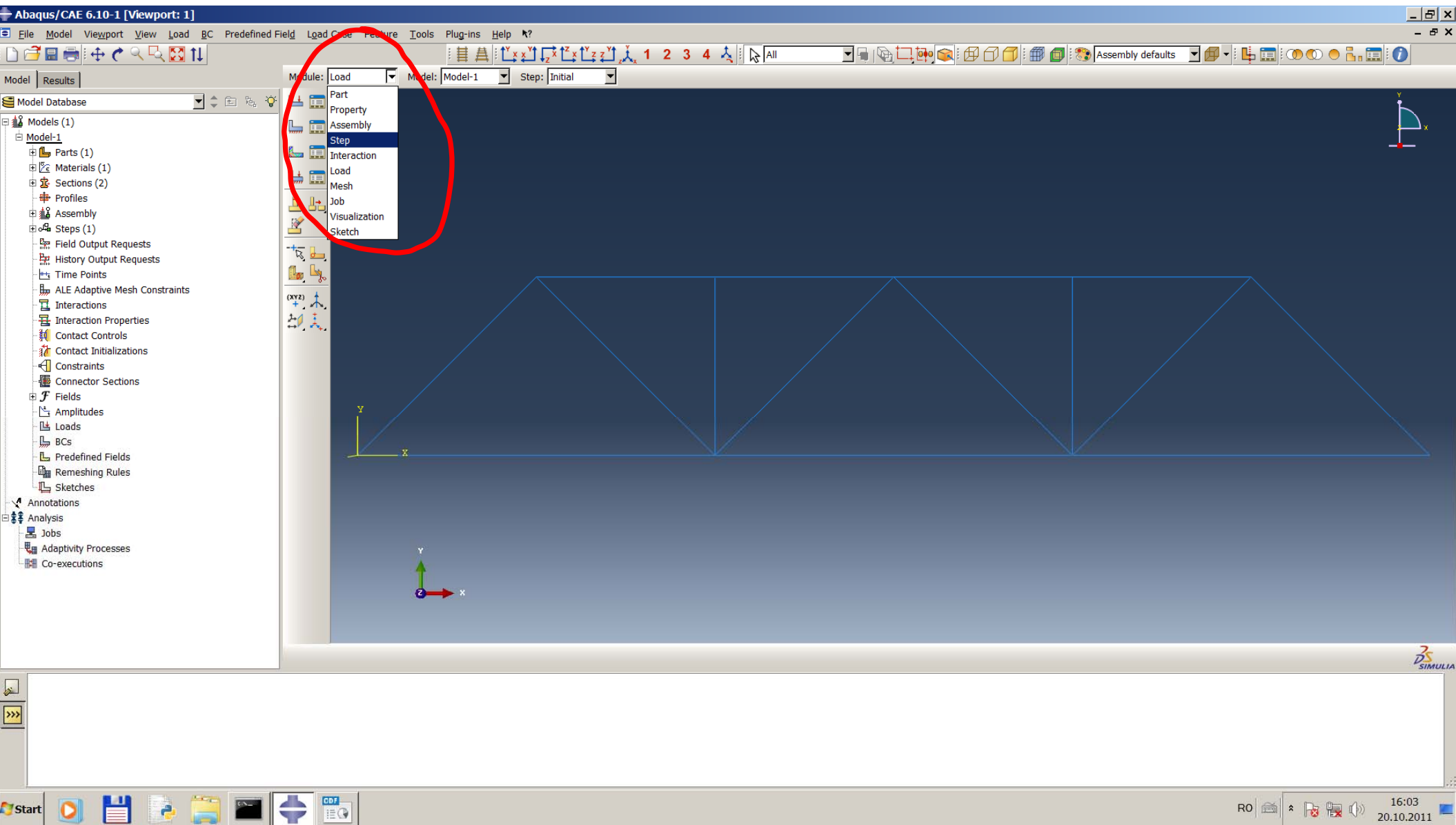
Crearea instance



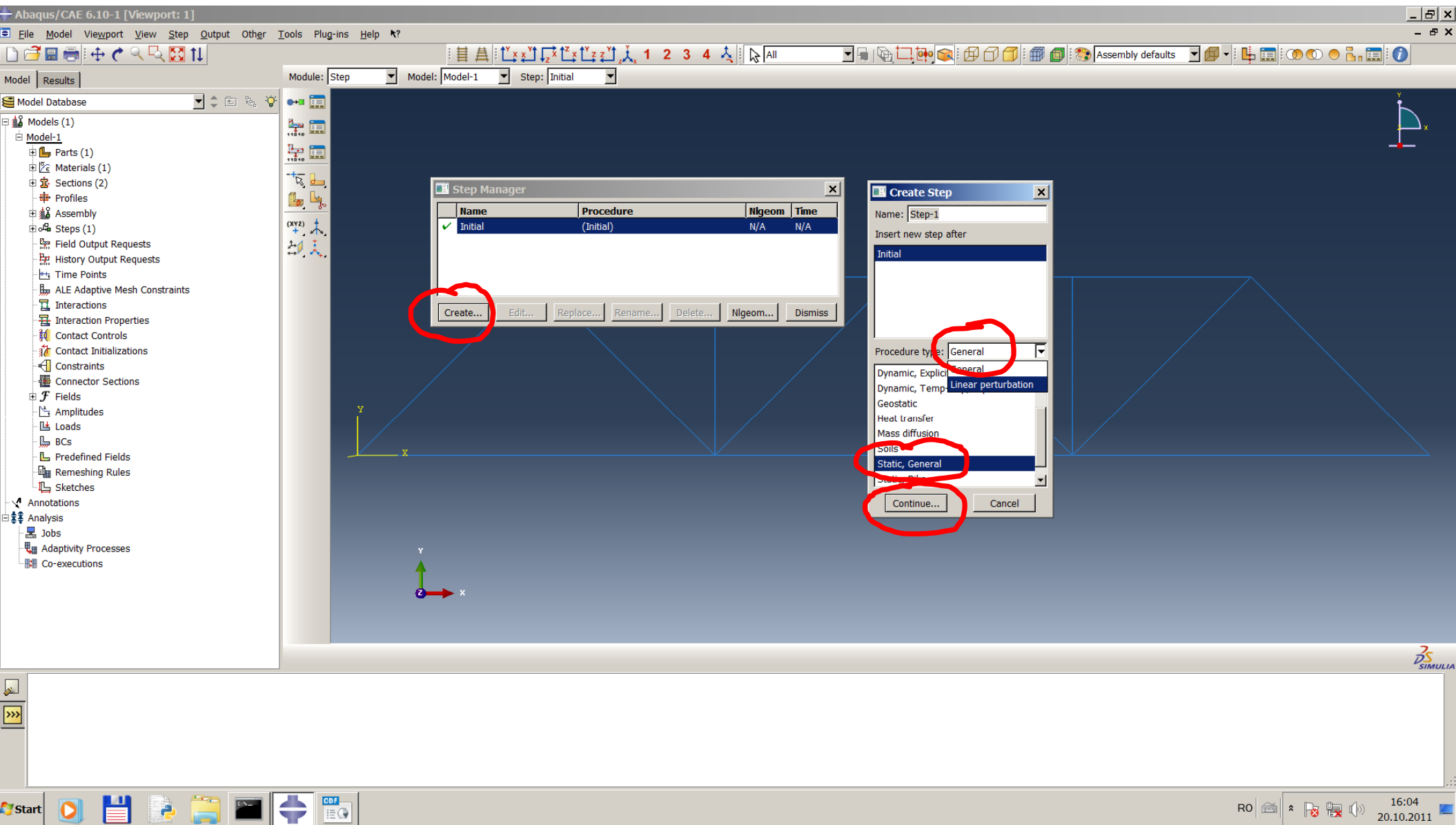
Crearea instance



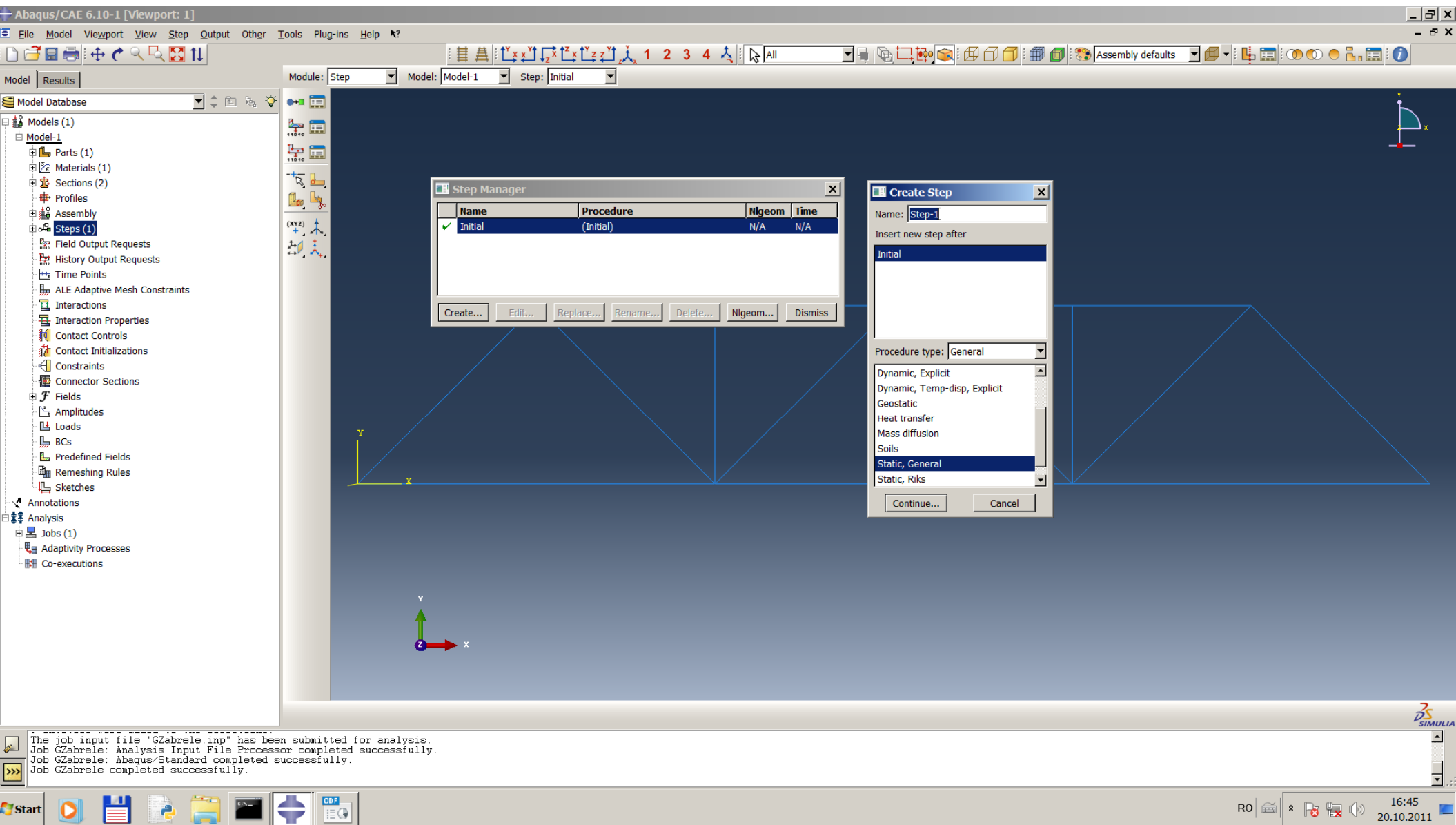
Modulul Step



Crearea pasului de analiza Static general

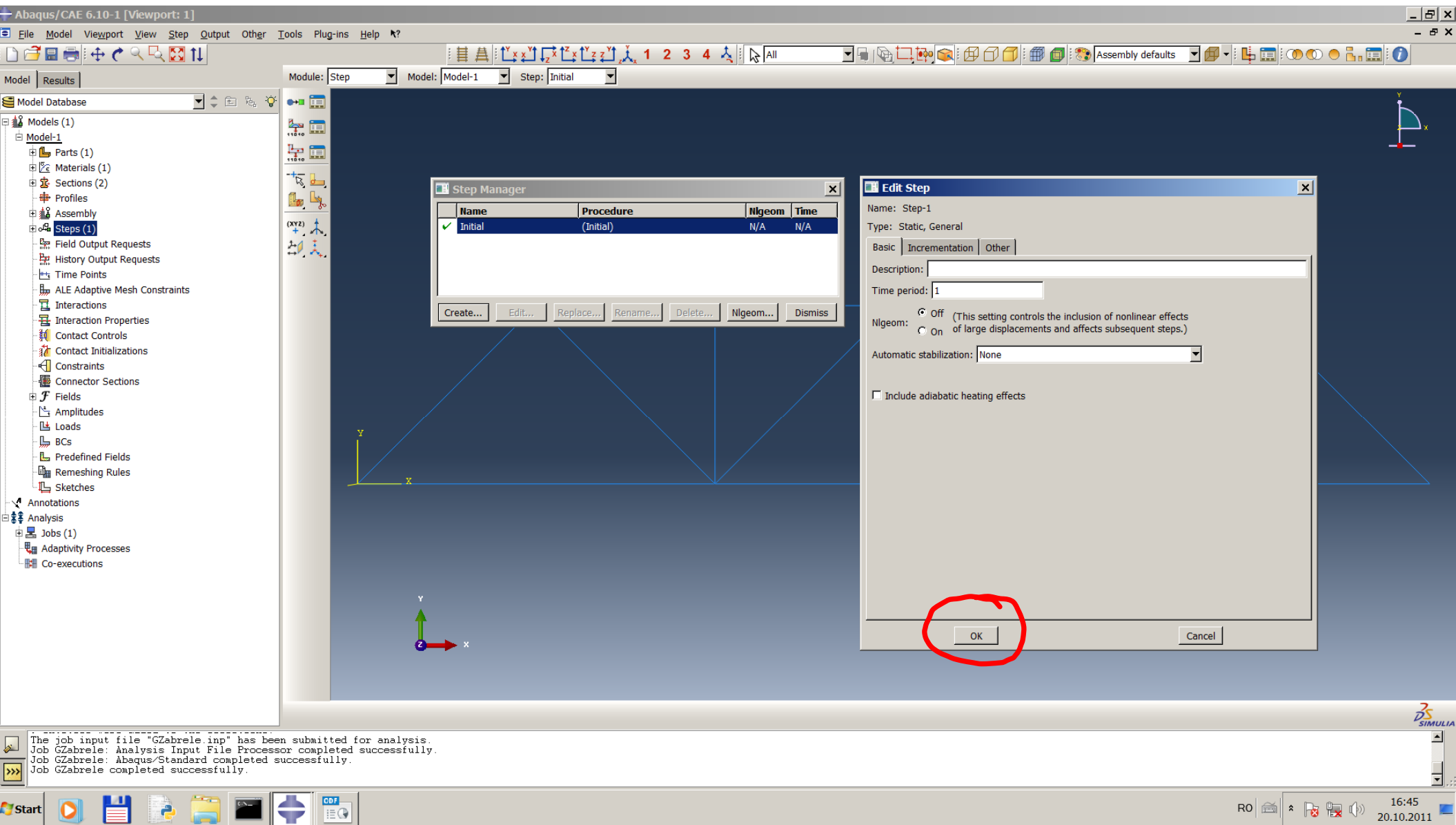


Crearea pasului de analiza Static general



Definirea parametrilor pasului de analiza

Static general



Pasii de analiza

Abaqus/CAE 6.10-1 [Viewport: 1]

File Model Viewport View Step Output Other Tools Plug-ins Help

Model Database

Models (1)

Model-1

- Parts (1)
- Materials (1)
- Sections (2)
- Profiles
- Assembly
- Steps (2)
- Field Output Requests (1)
- History Output Requests (1)
- Time Points
- ALE Adaptive Mesh Constraints
- Interactions
- Interaction Properties
- Contact Controls
- Contact Initializations
- Constraints
- Connector Sections
- Fields
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- BCs
- Predefined Fields
- Remeshing Rules
- Sketches

Annotations

Analysis

- Jobs (1)
- Adaptivity Processes
- Co-executions

Module: Step Model: Model-1 Step: Step-1

Step Manager

Name	Procedure	Nonlinear	Time
Initial	(Initial)	N/A	N/A
Step-1	Static, General	OFF	1

Create... Edit... Replace... Rename... Delete... Nonlinear... Dismiss

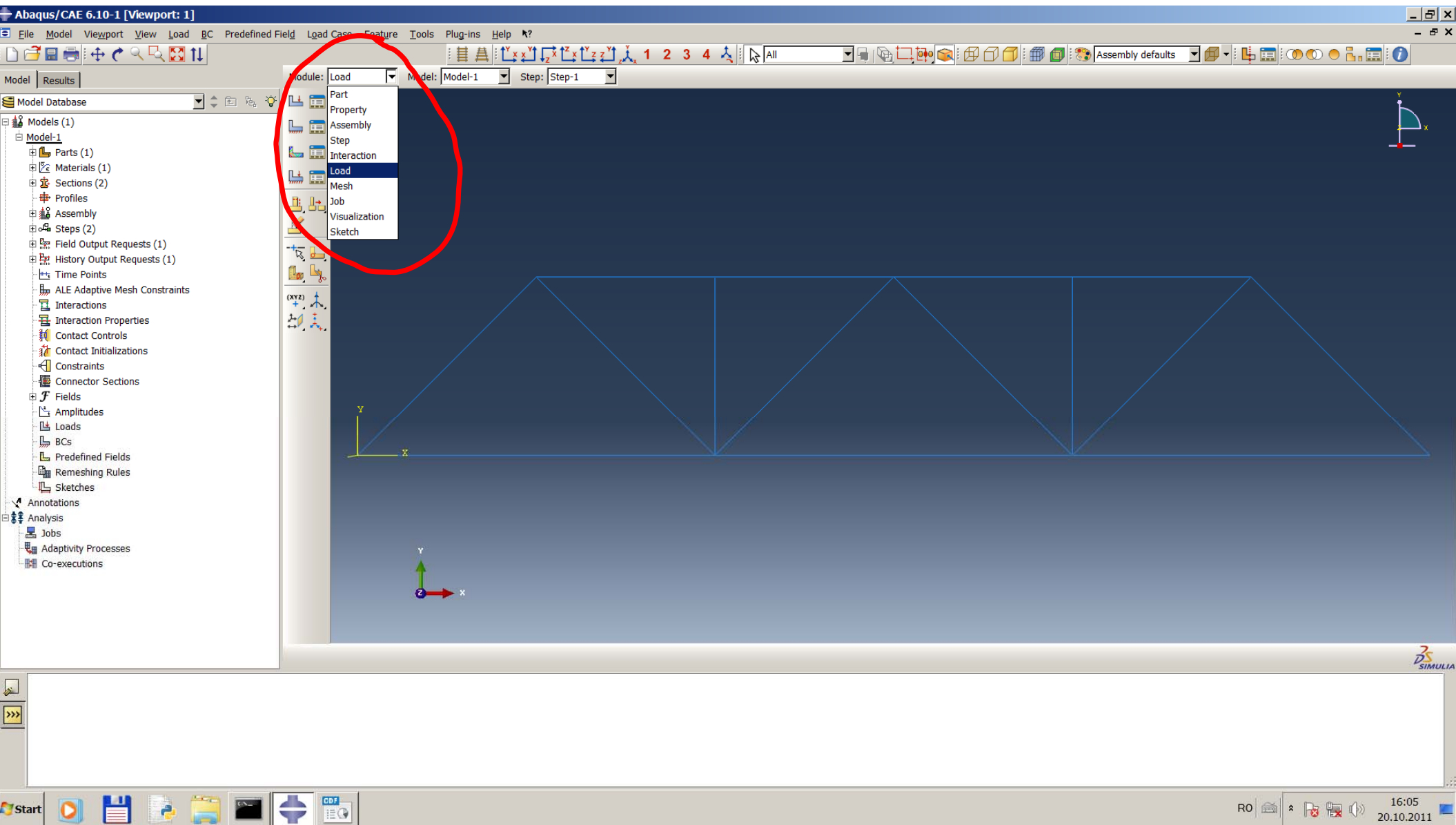
The job input file "GZabrele.inp" has been submitted for analysis.
Job GZabrele: Analysis Input File Processor completed successfully.
Job GZabrele: Abaqus/Standard completed successfully.
Job GZabrele completed successfully.

Start

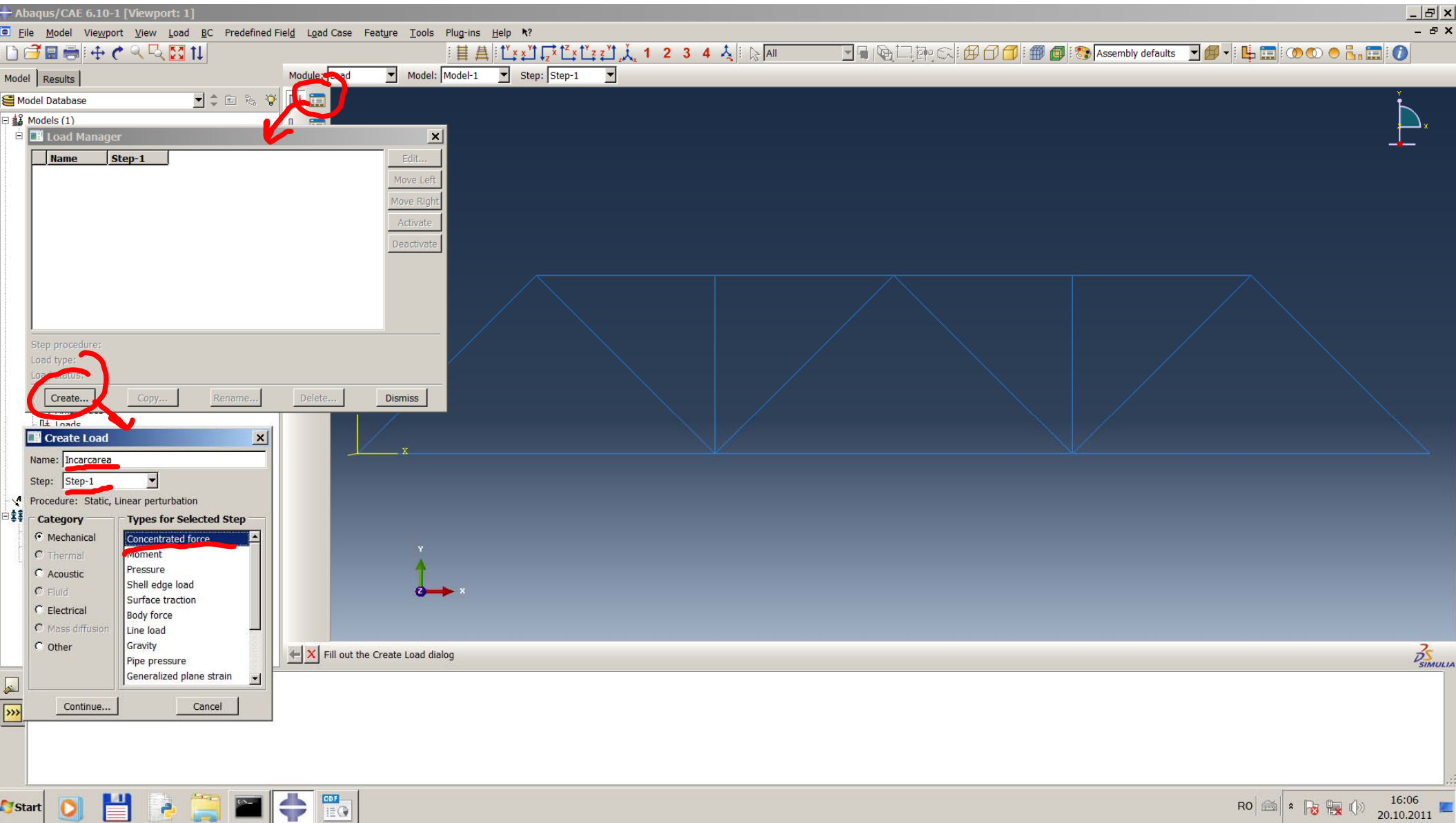
RO

16:45
20.10.2011

Modulul Load

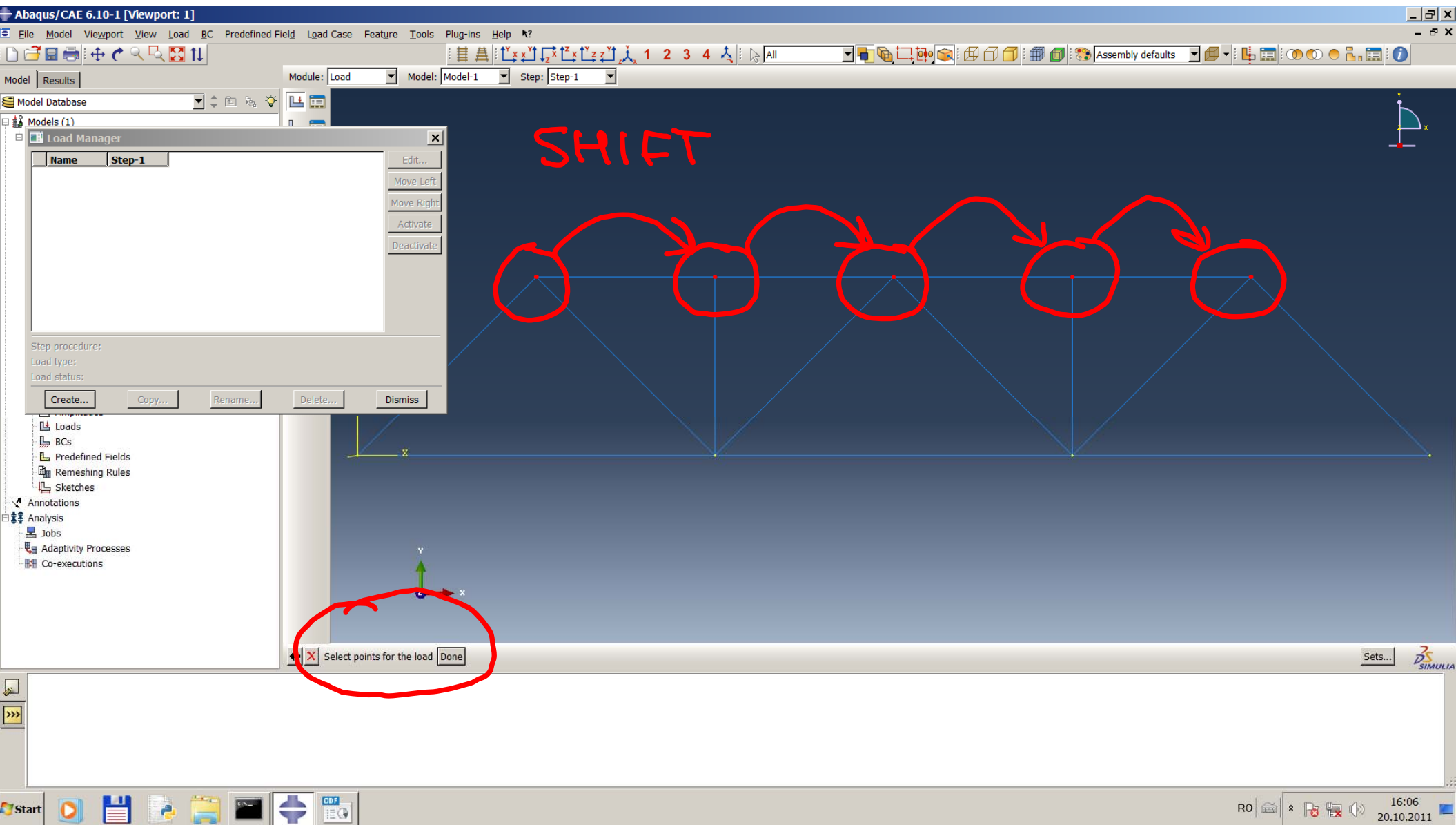


Crearea Incarcarilor Forte Concentrate

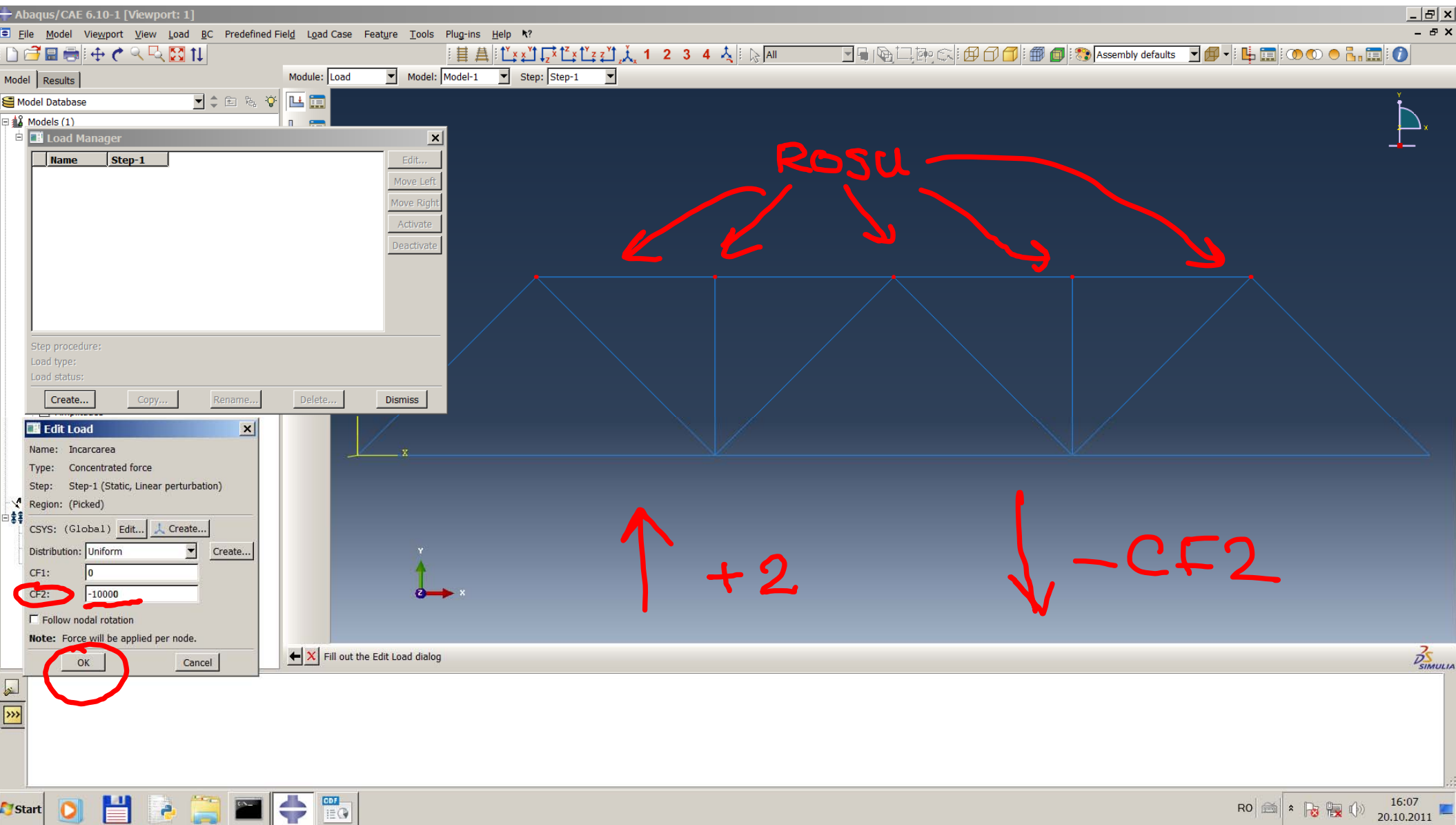


Selectarea nodurilor

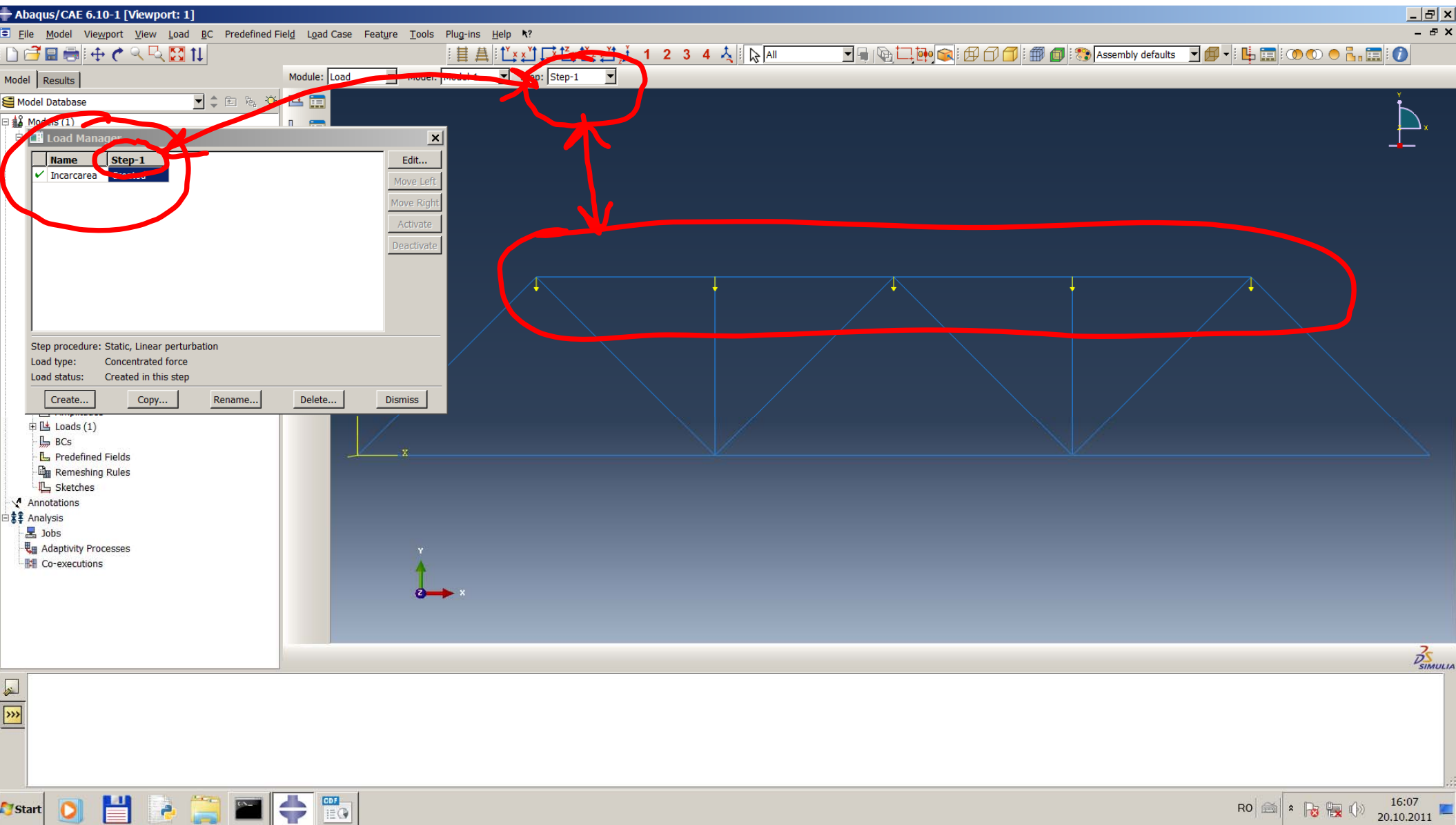
Punctul de aplicatie al fortelor



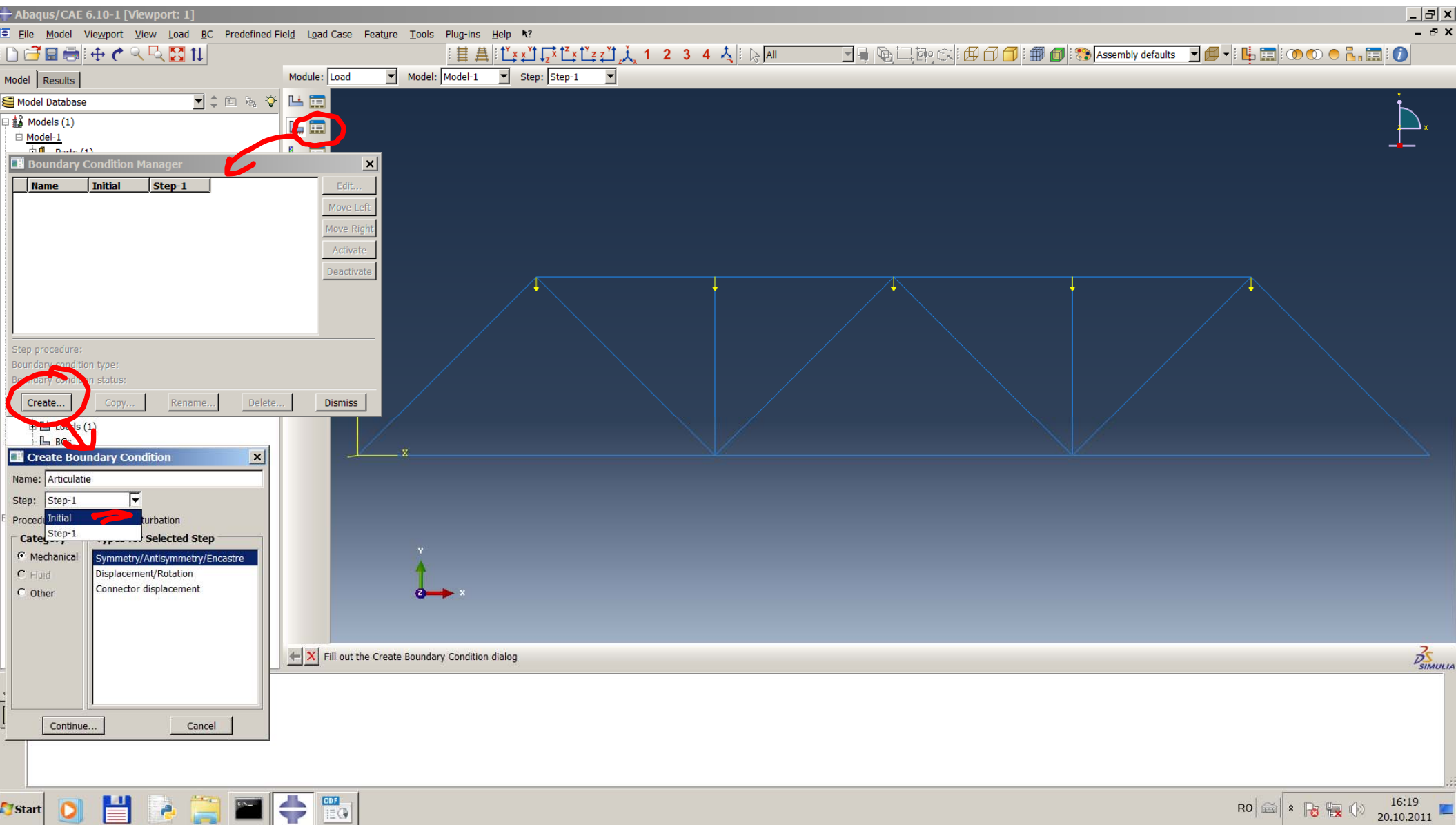
Declararea intensitatii, a directiei si a sensului fortei



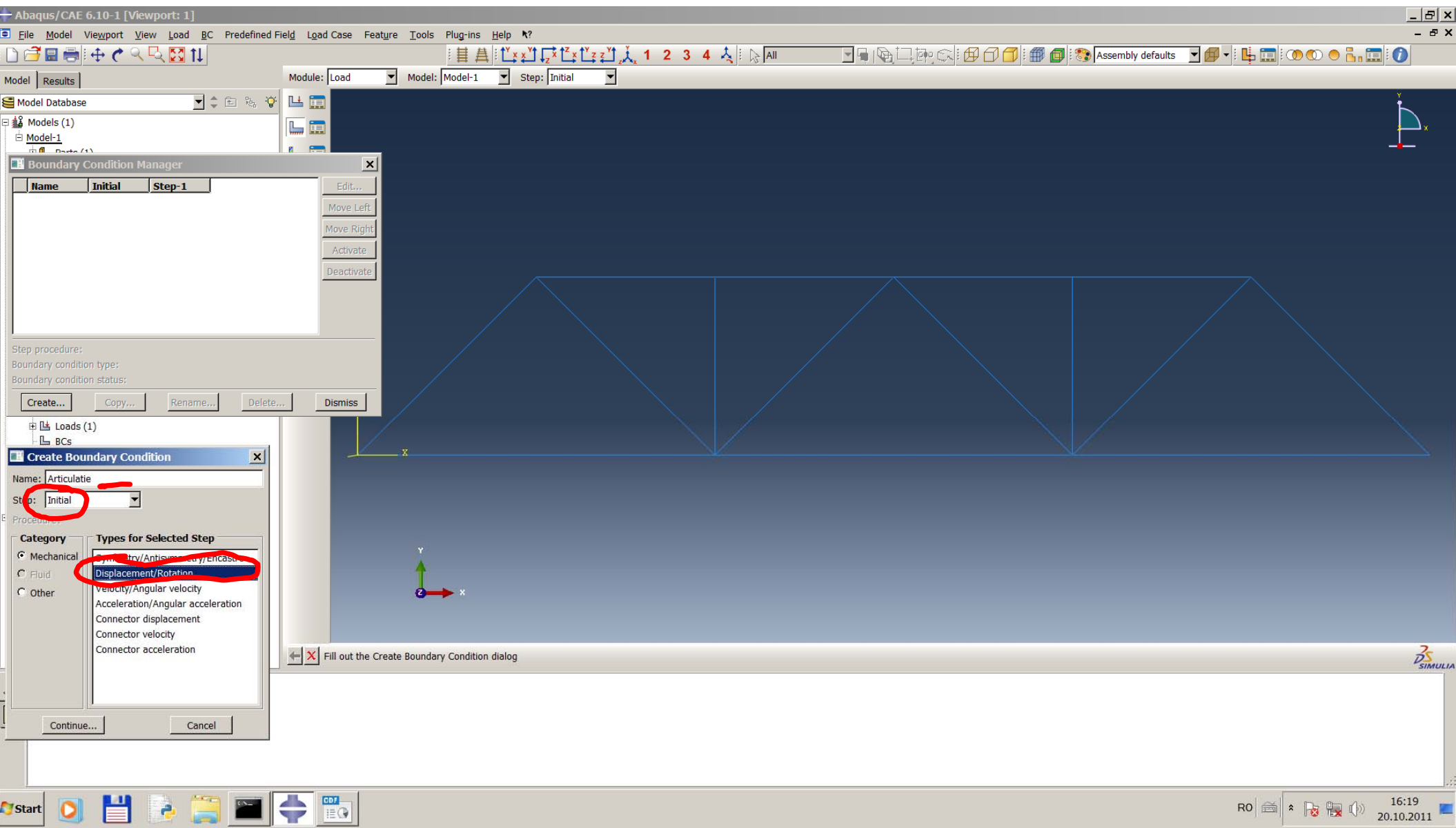
Managerul Load



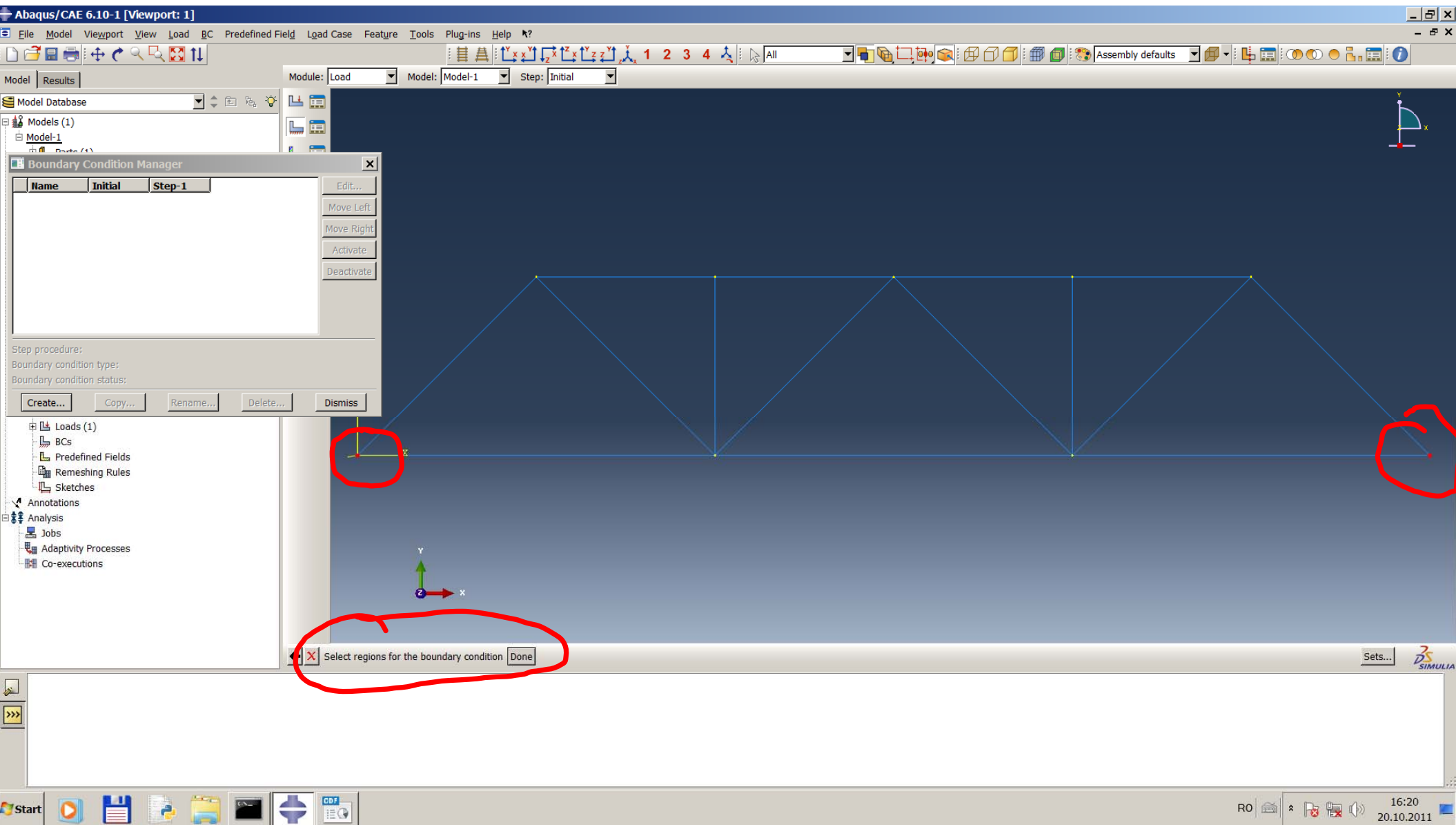
Crearea rezemarilor



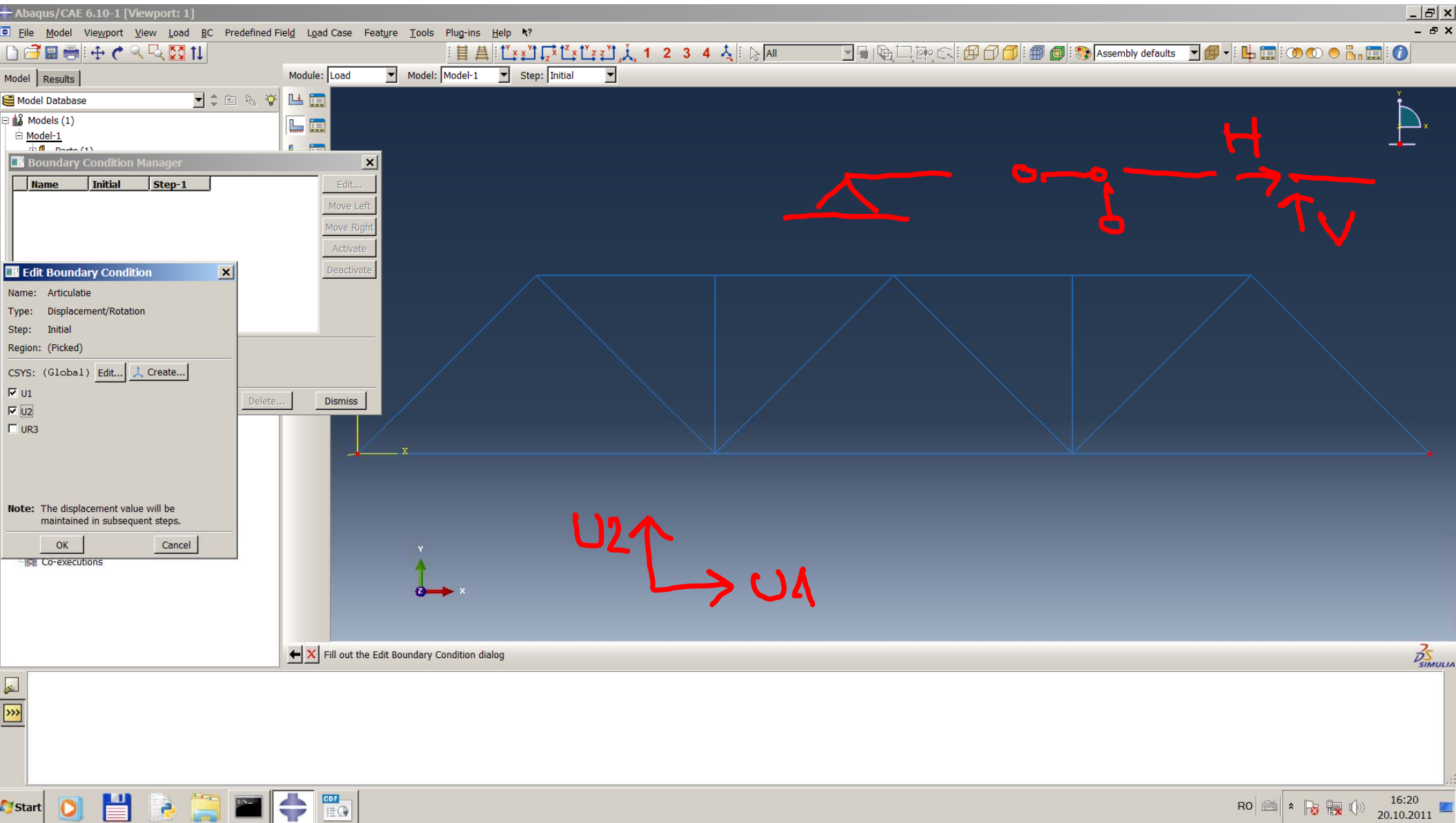
Tipul Deplasare (liniara/rotire)



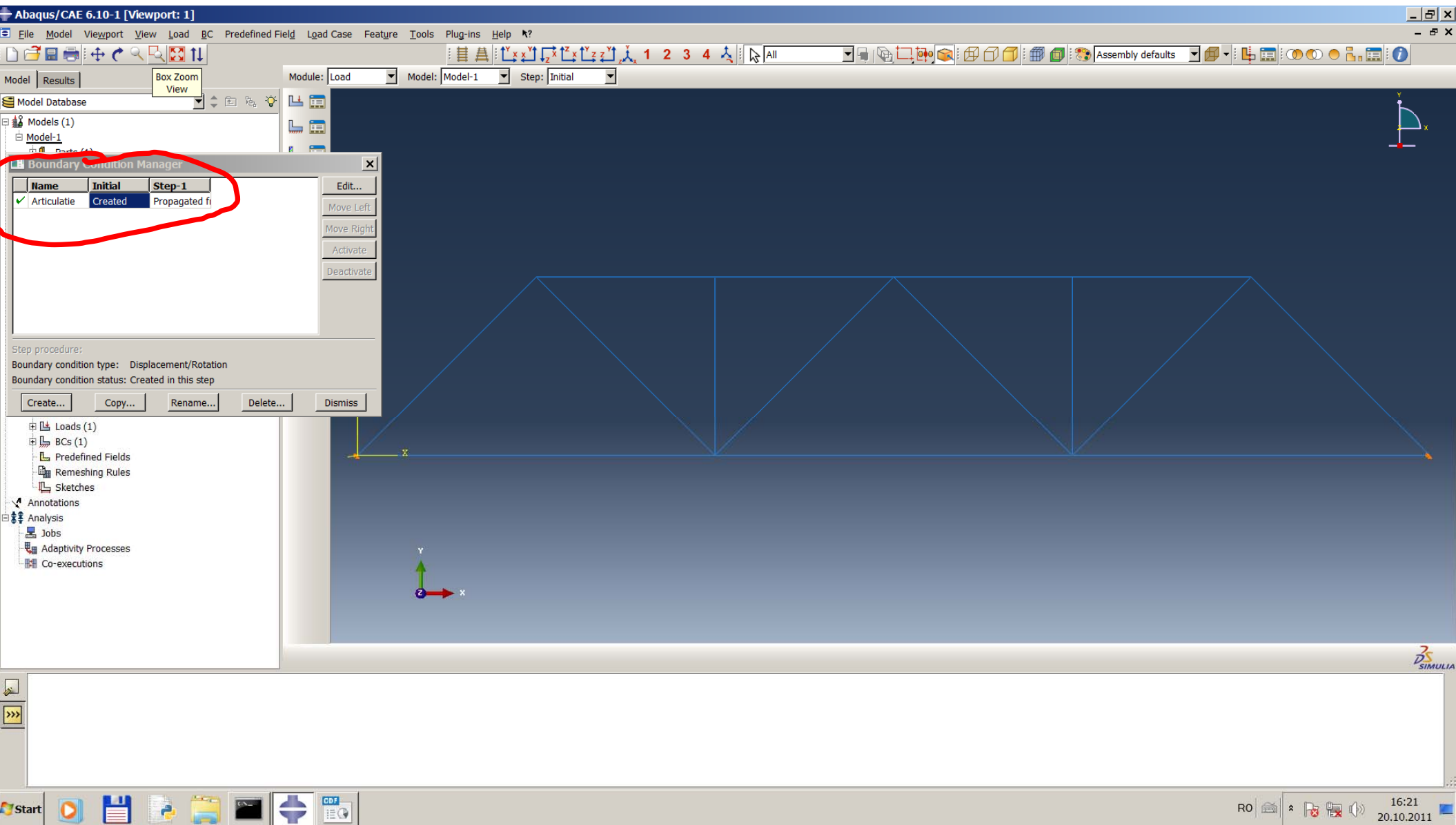
Selectarea punctelor



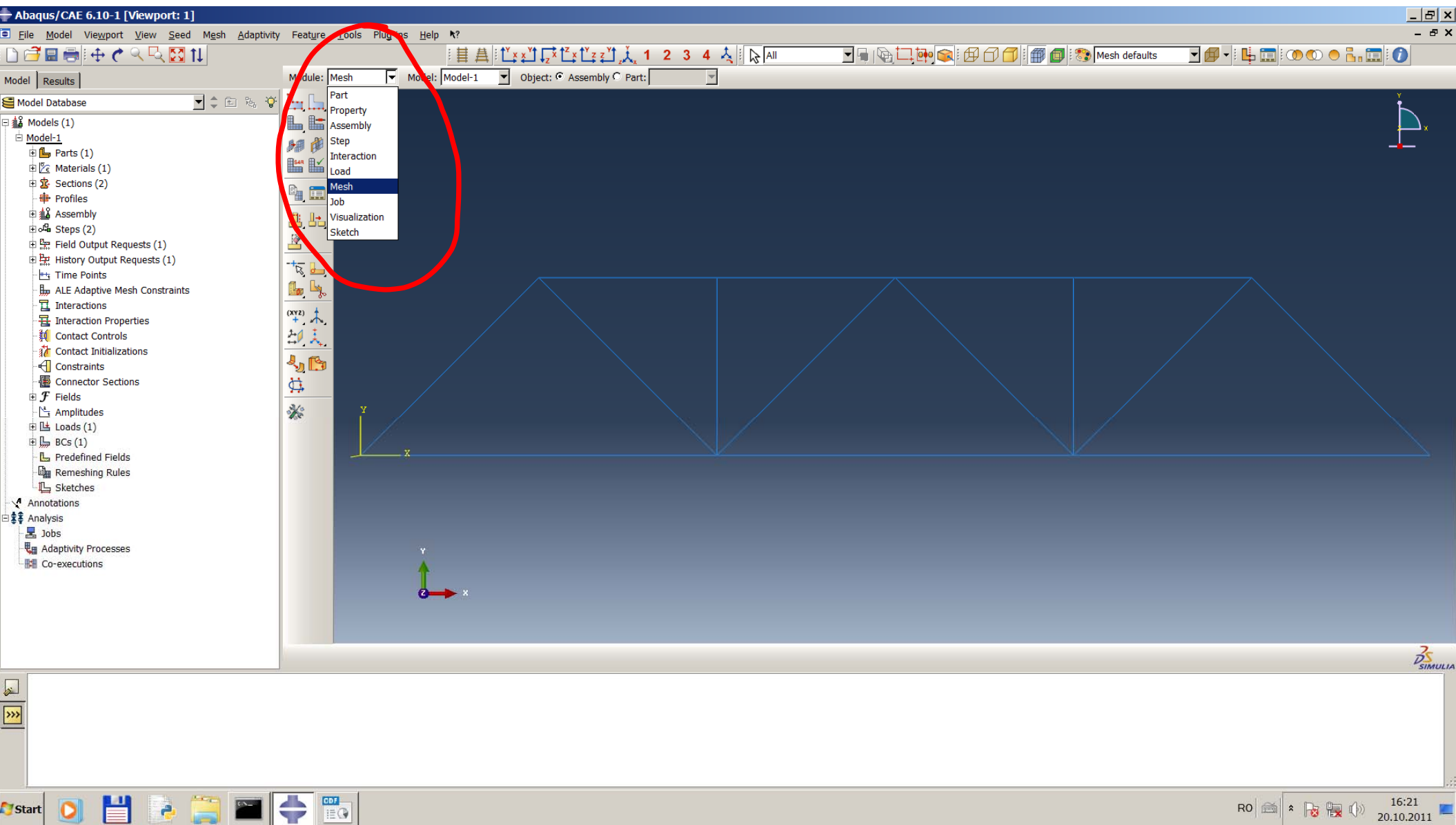
Definirea gradelor de libertate blocate



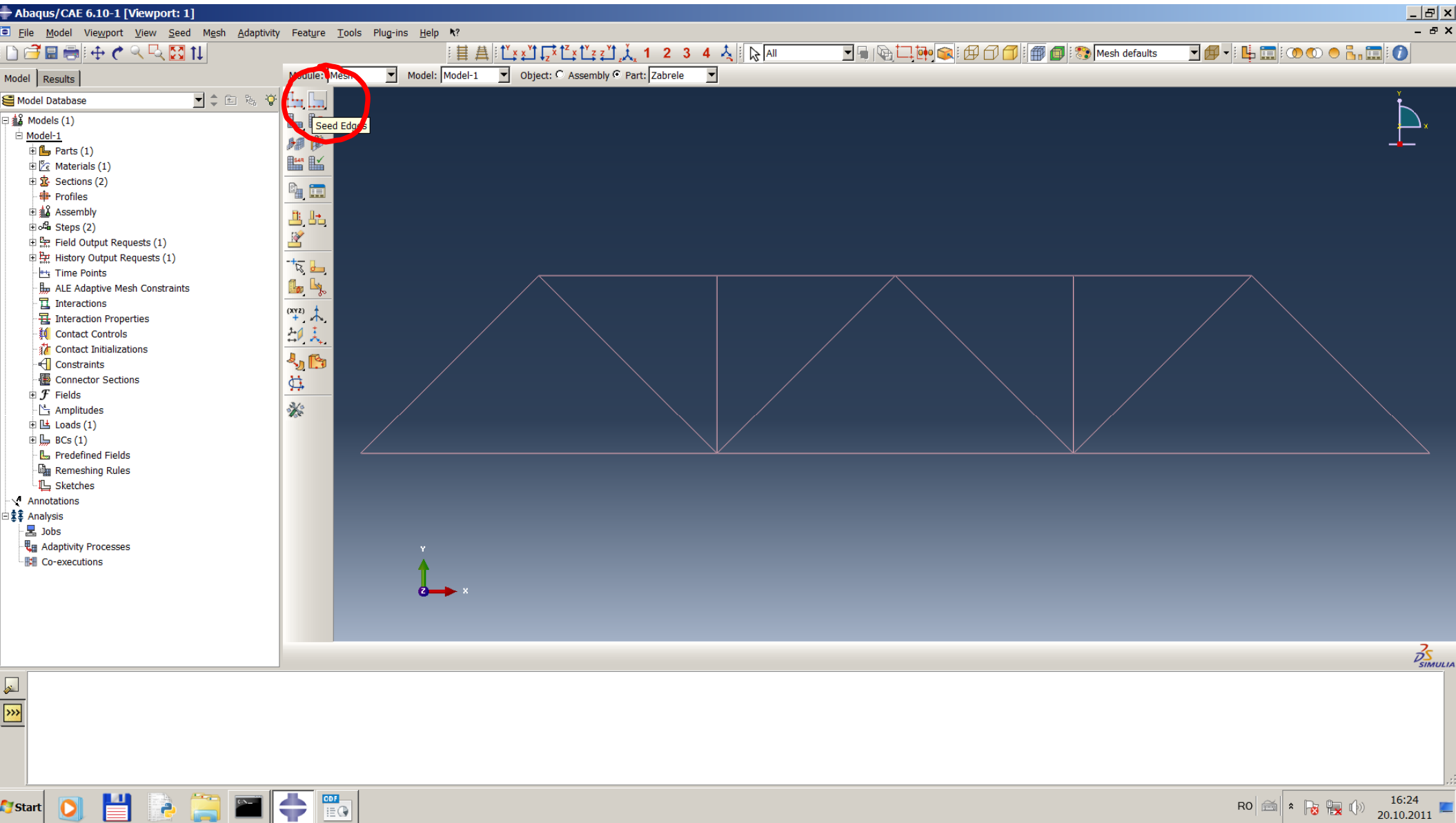
Modulul Boundary Condition



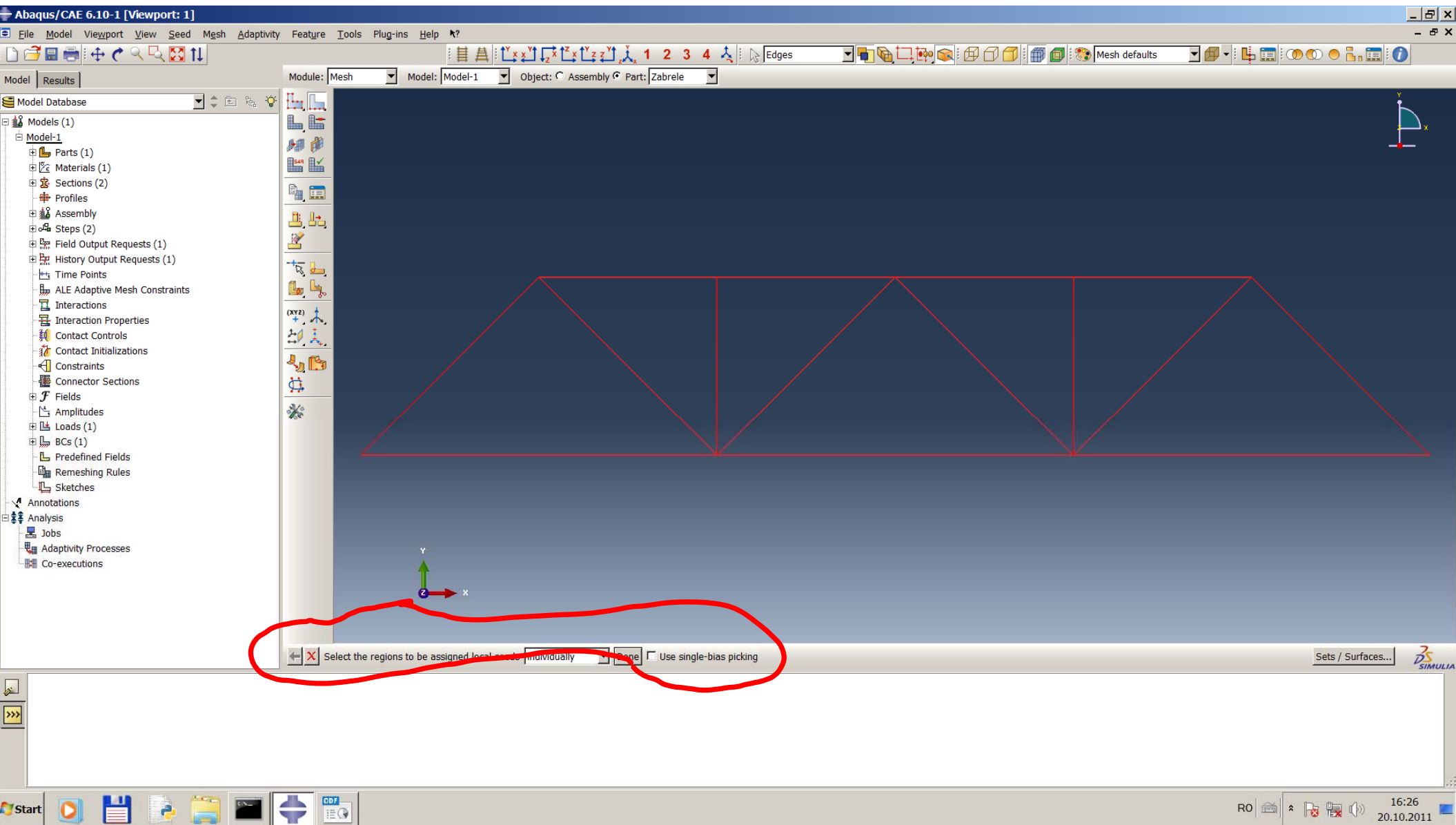
Modulul Mesh (Discretizarea)



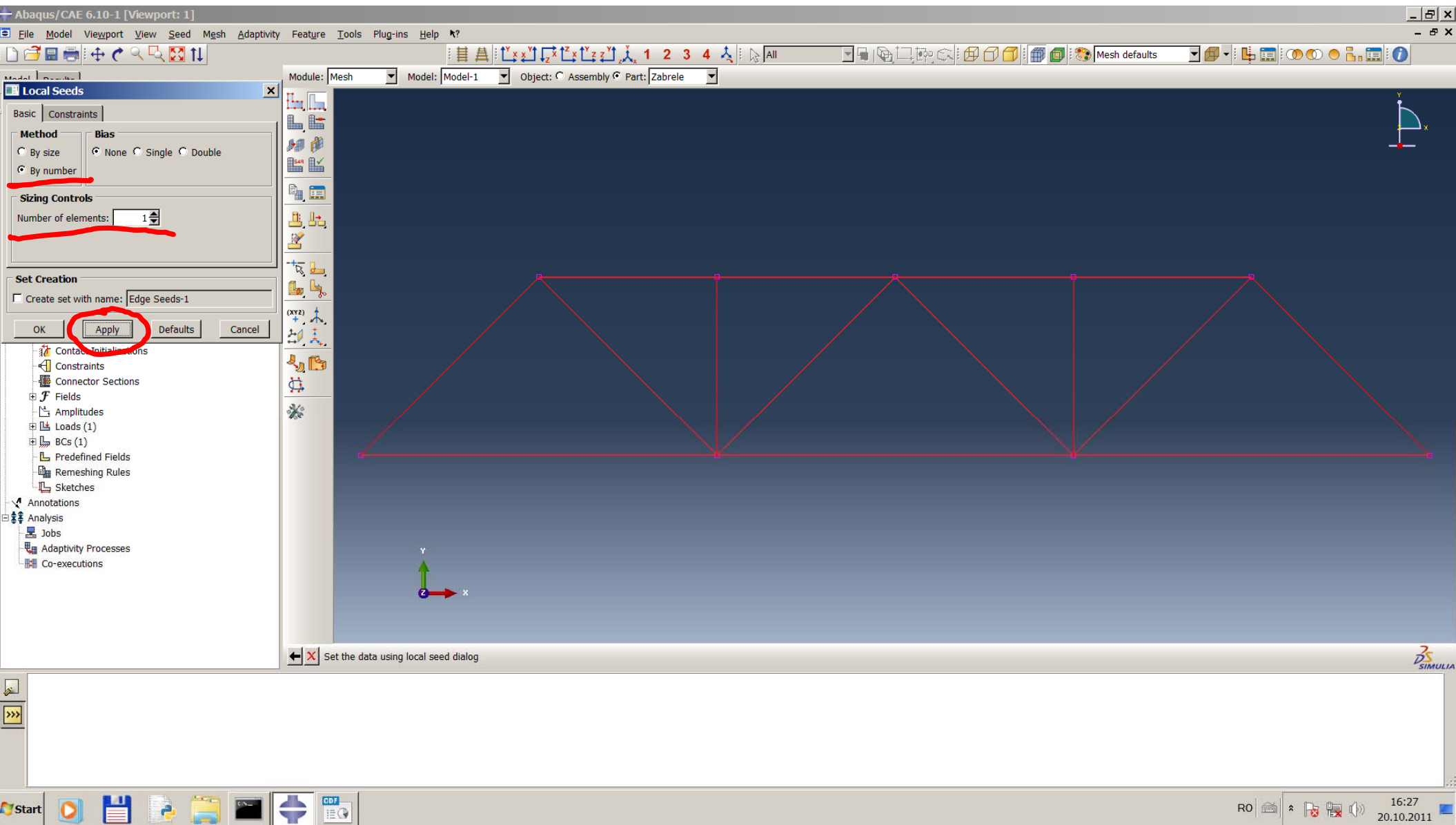
Atribuirea semintelor locale (seed edge)



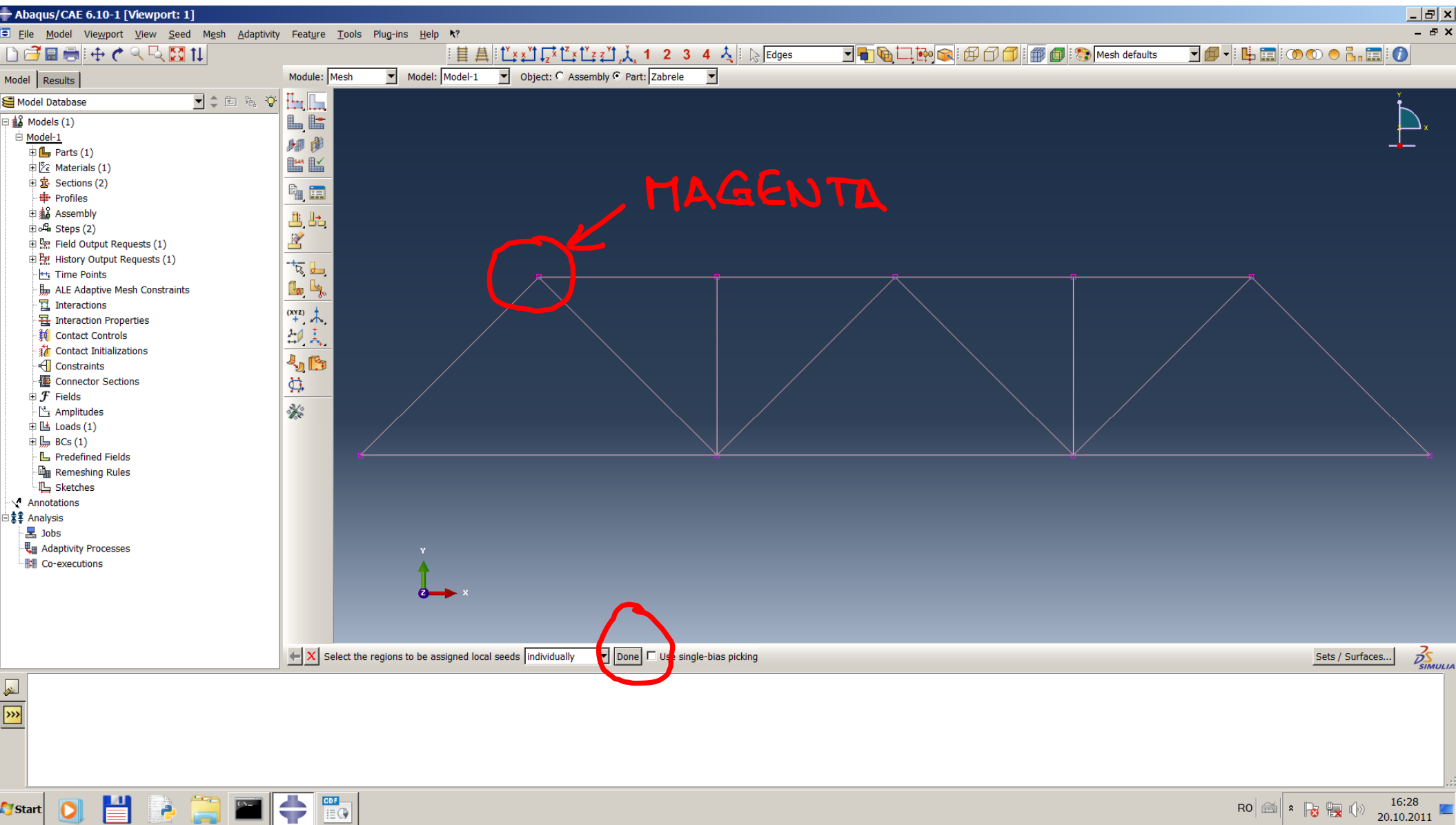
Selectare elementelor



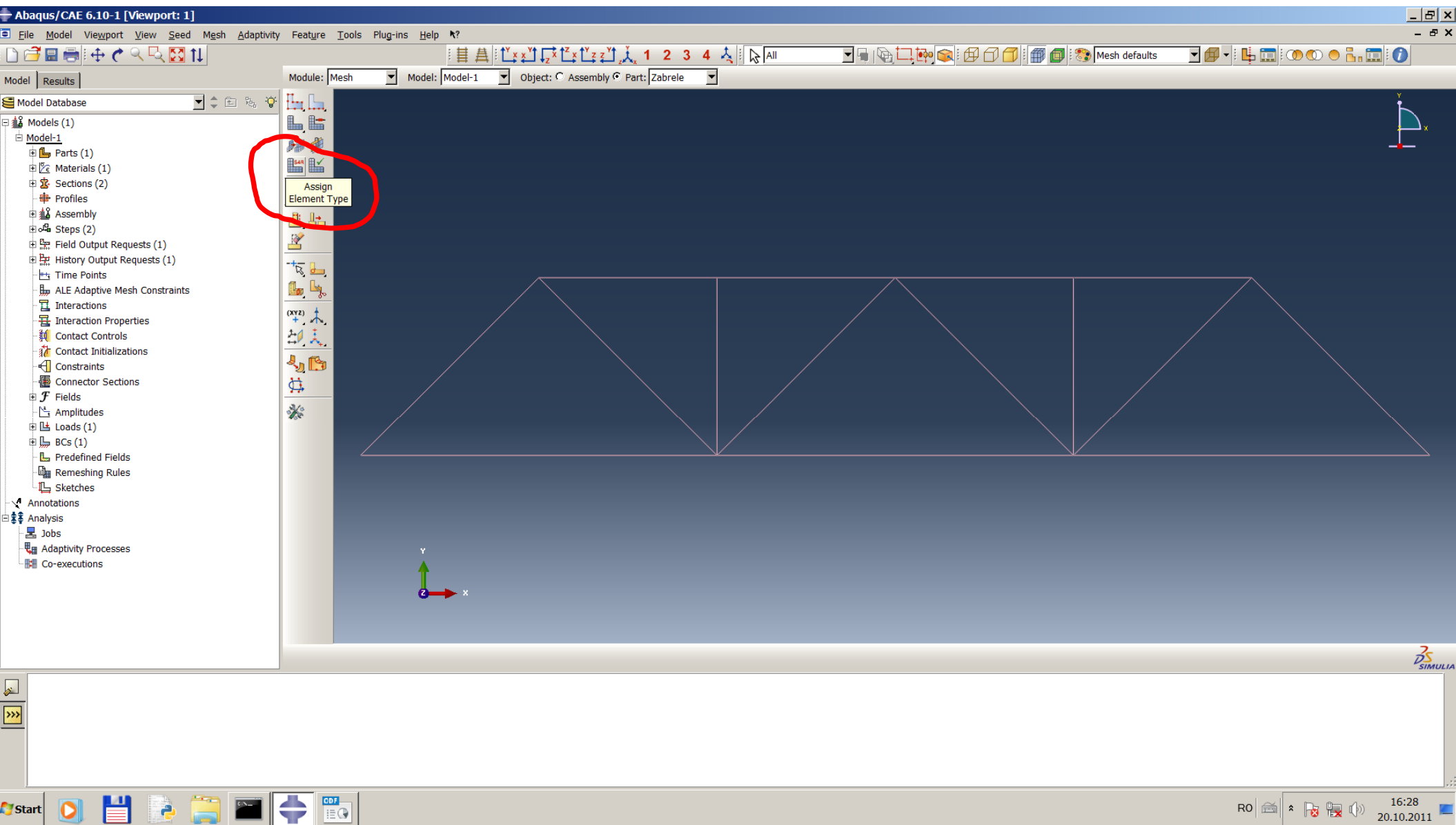
Atribuirea semintelor – numar de elemente pe geometrie



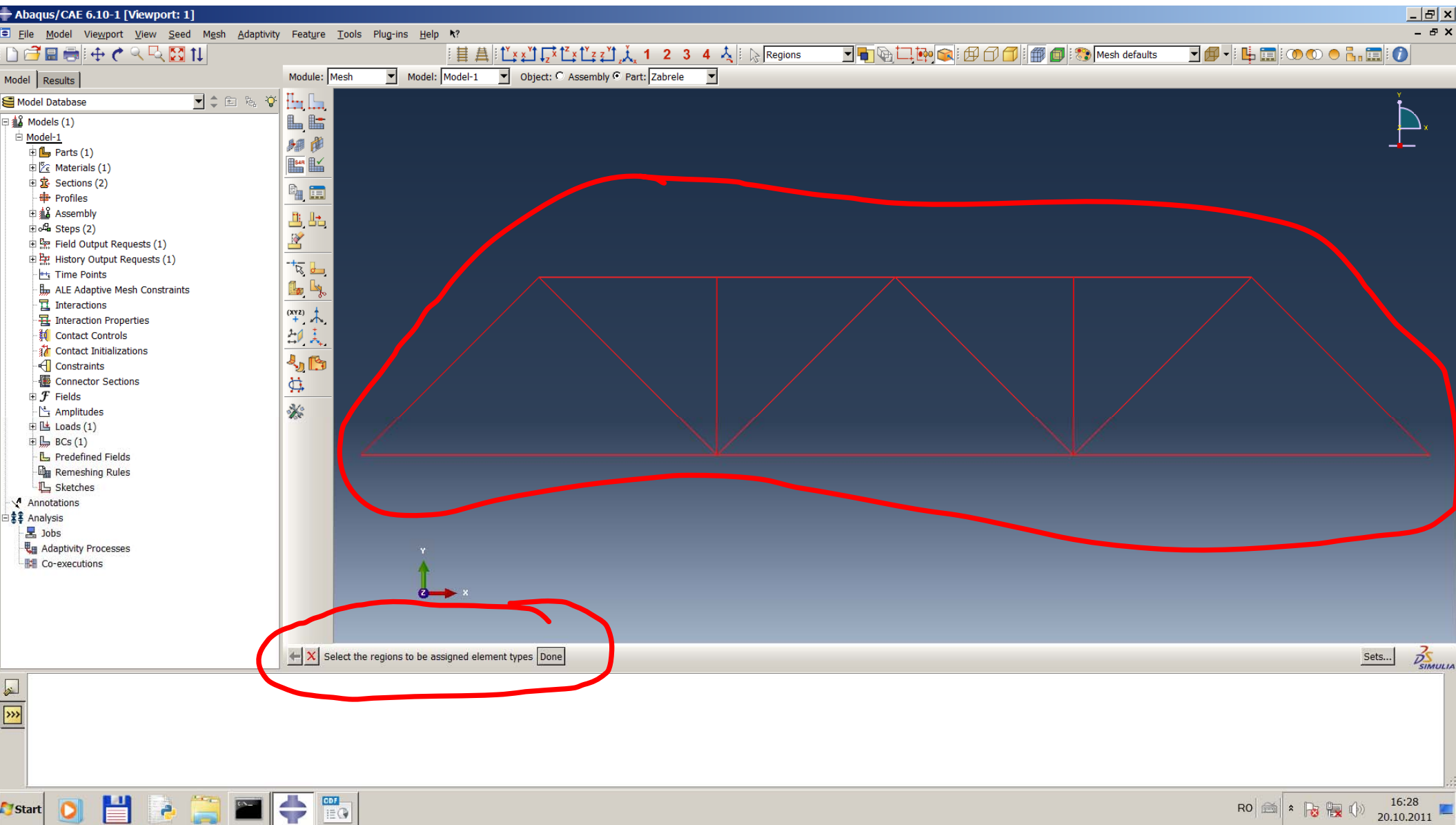
Vizualizarea semintelor



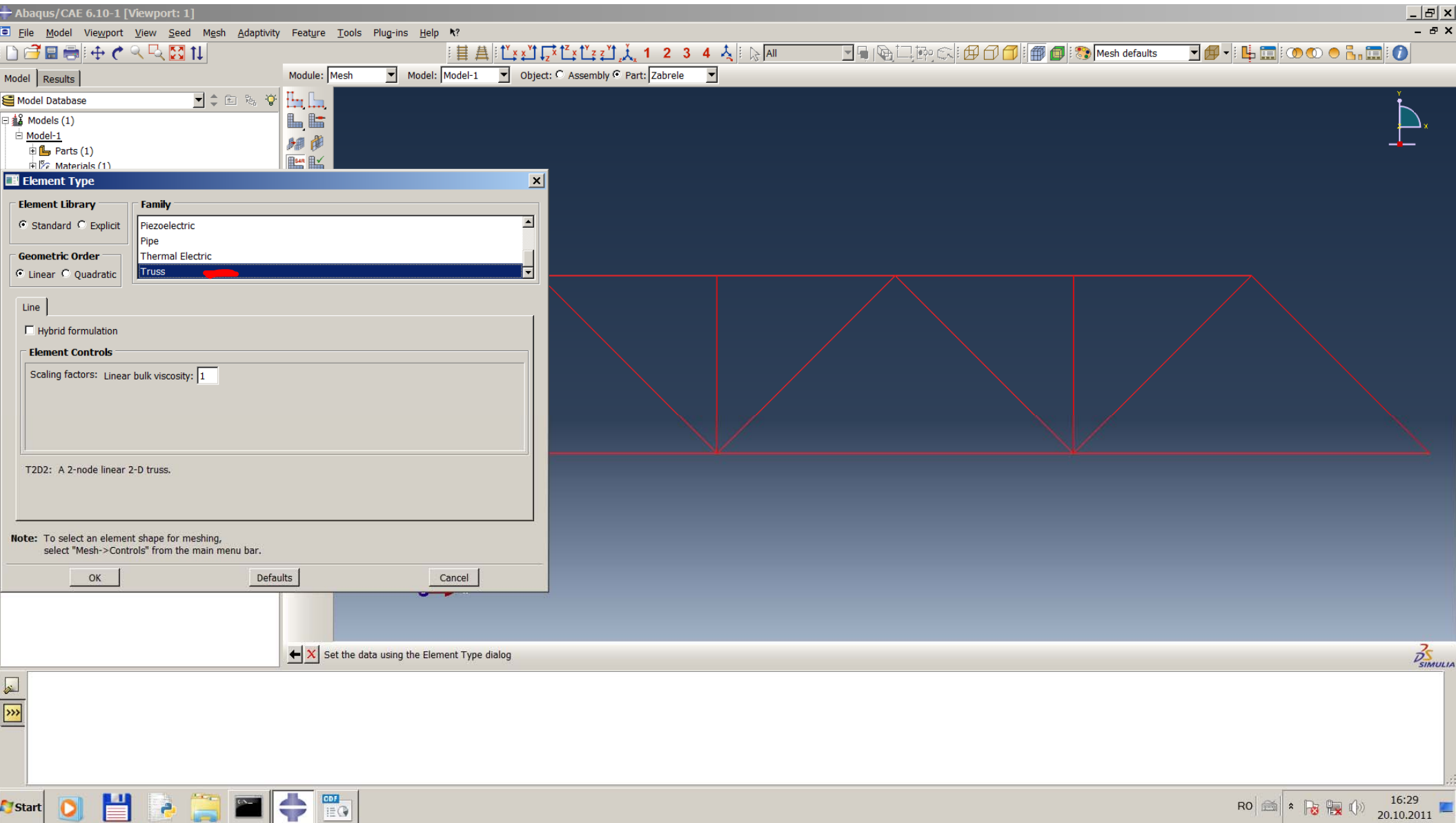
Atribuirea tipului de FE



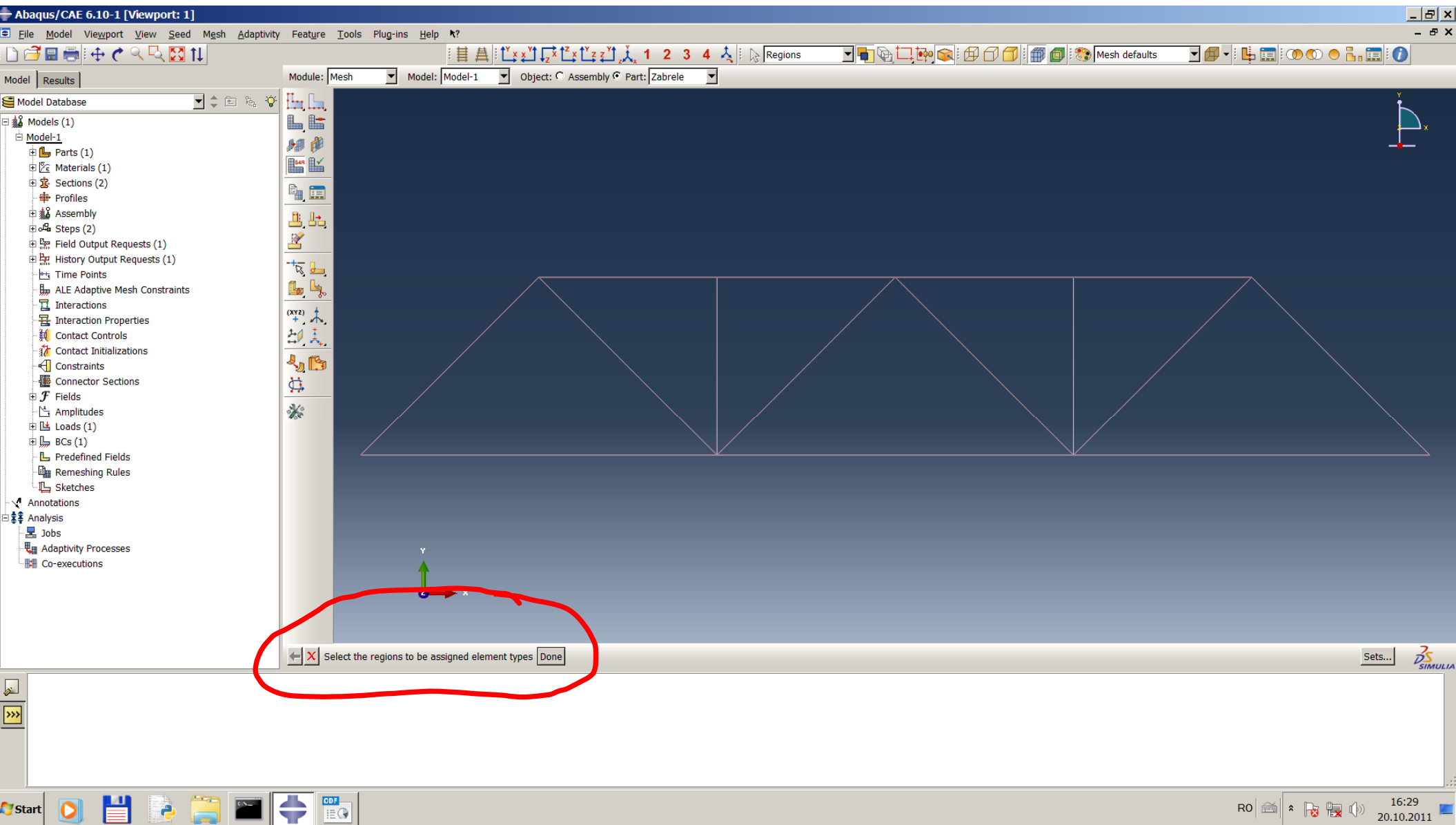
Selectarea geometriei



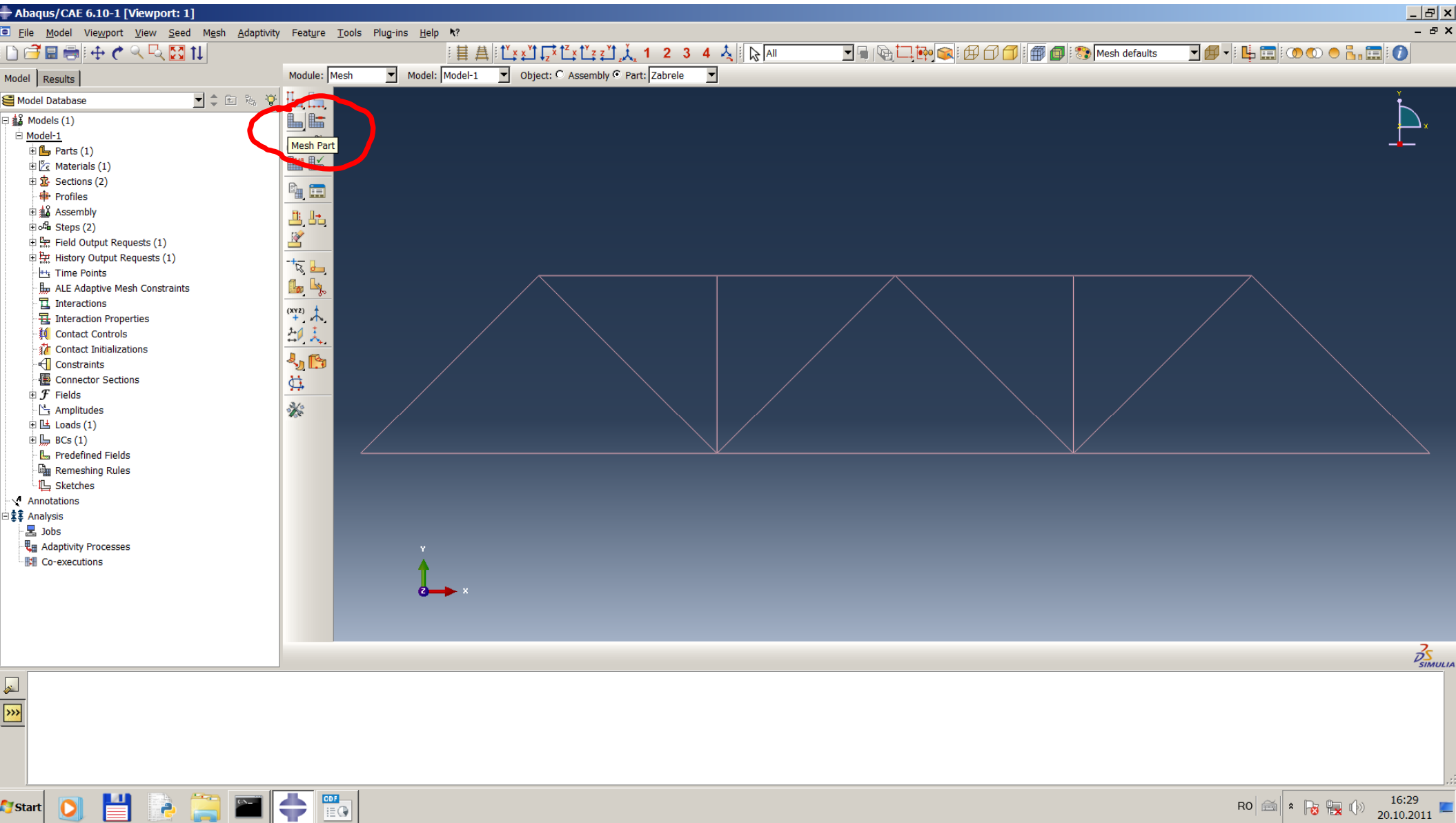
Atribuirea tipului – truss - zabrea



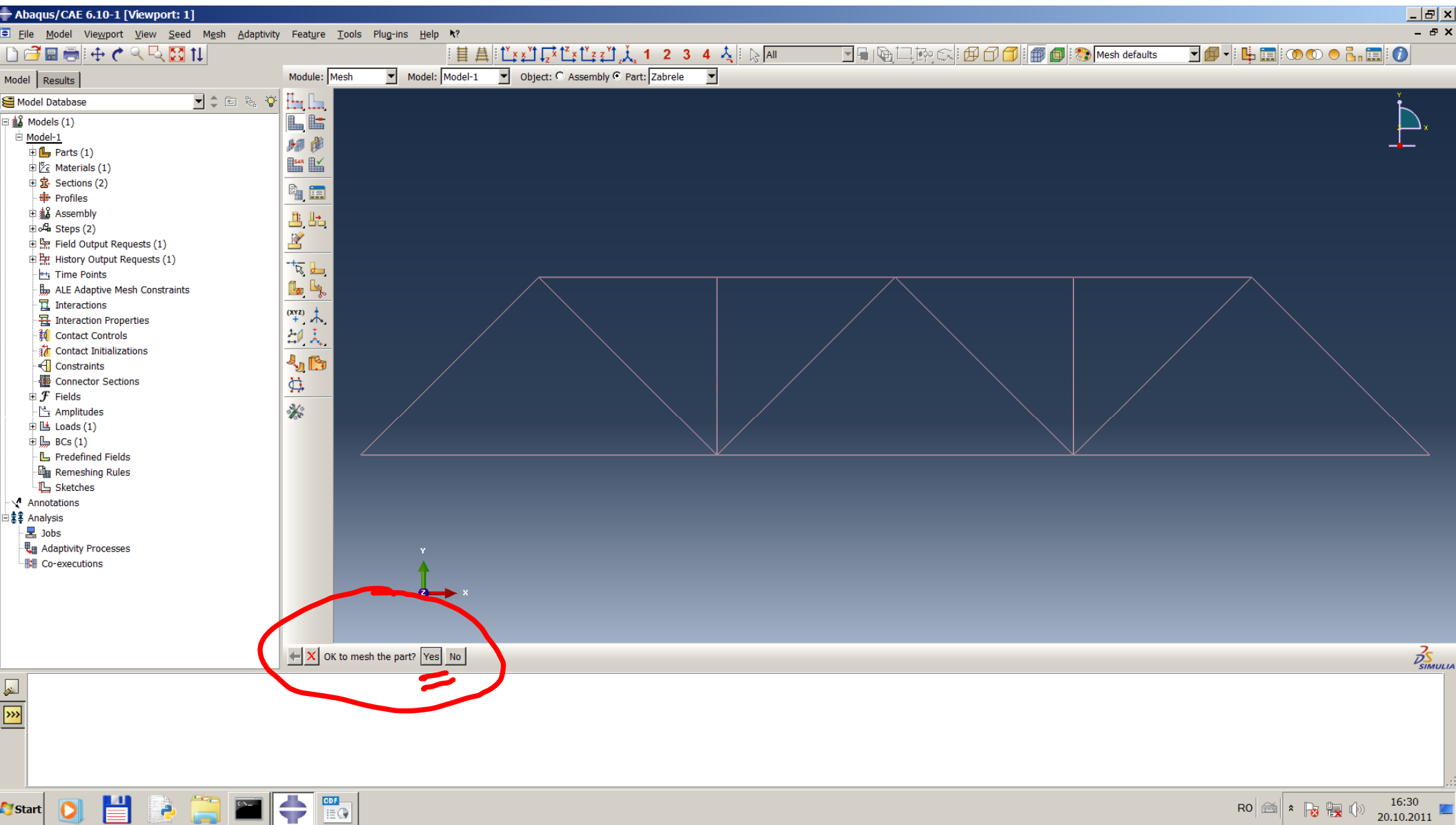
Atribuirea tipului – truss - zabrea



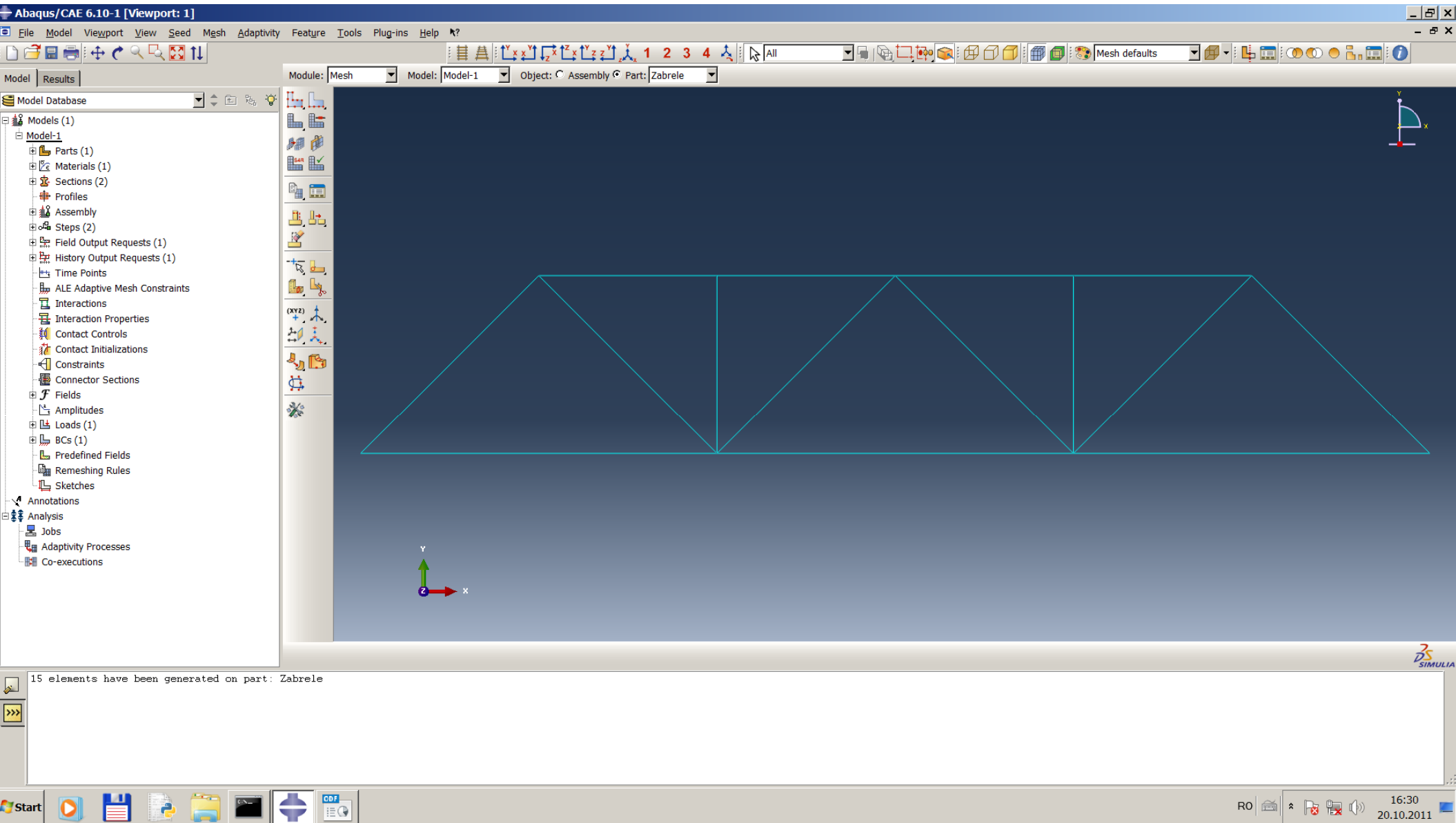
Discretizarea parti (geometriei) zabrele



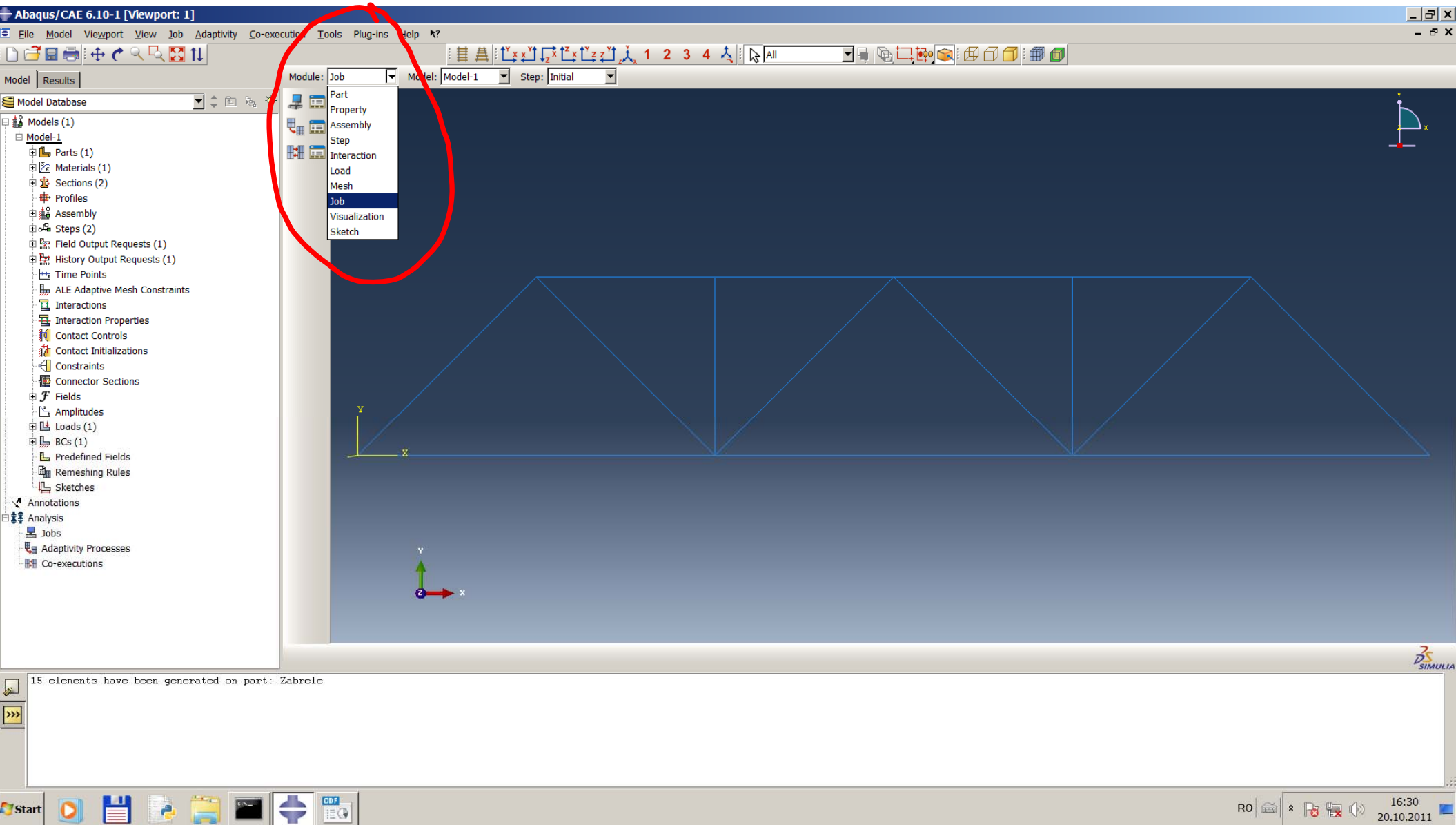
Discretizarea parti (geometriei) zabrele



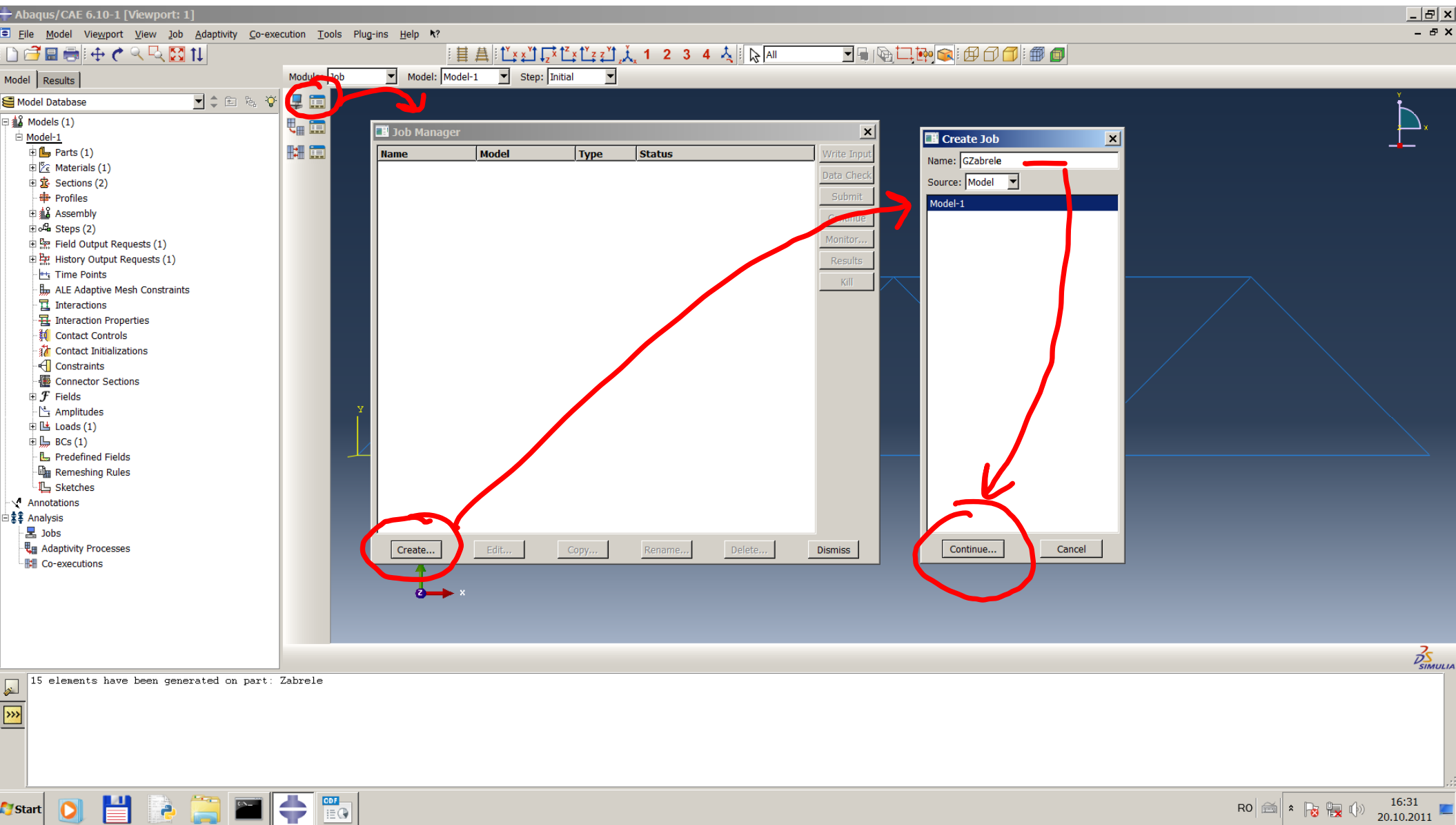
Discretizarea parti (geometriei) zabrele



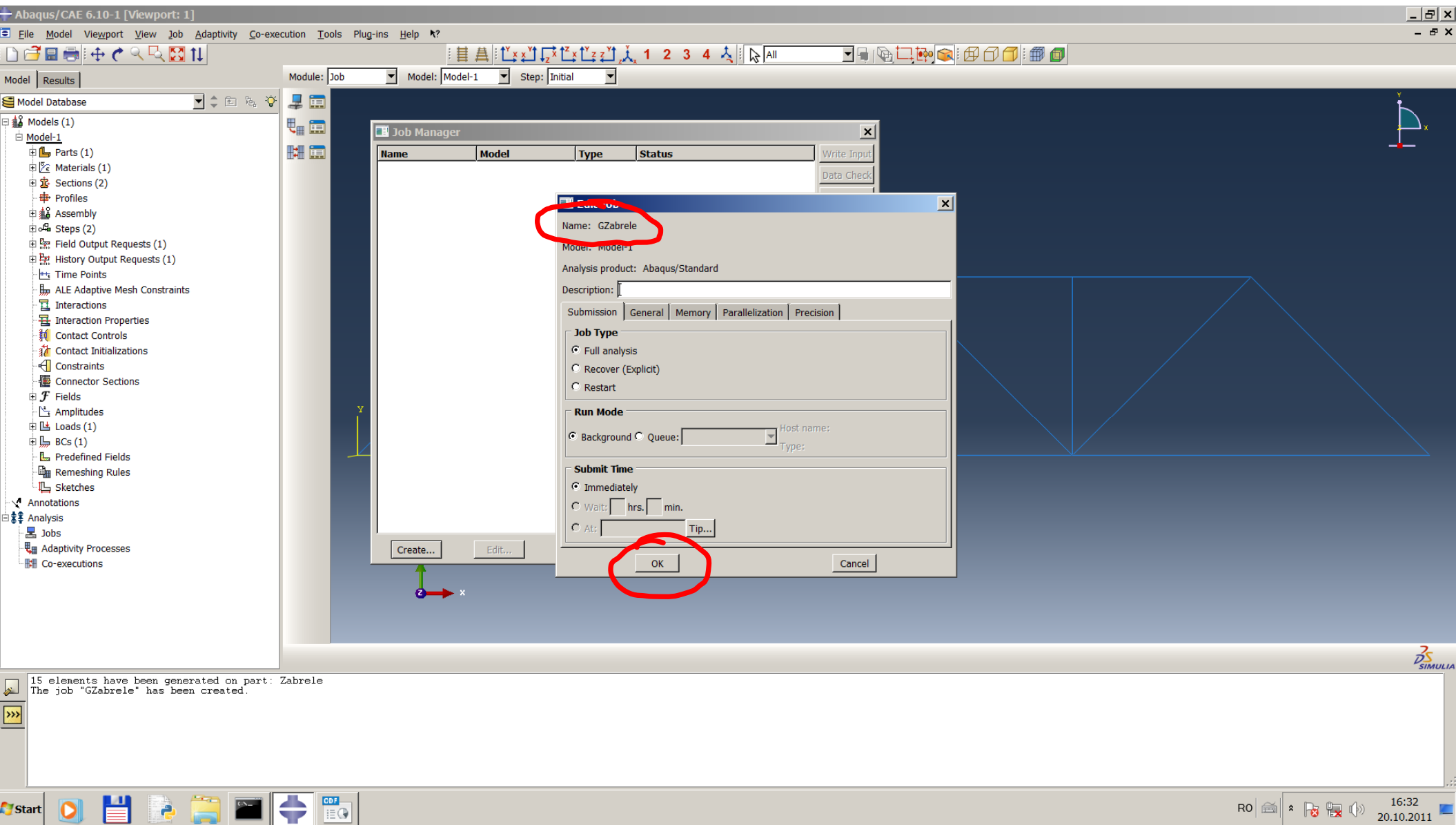
Modul Job



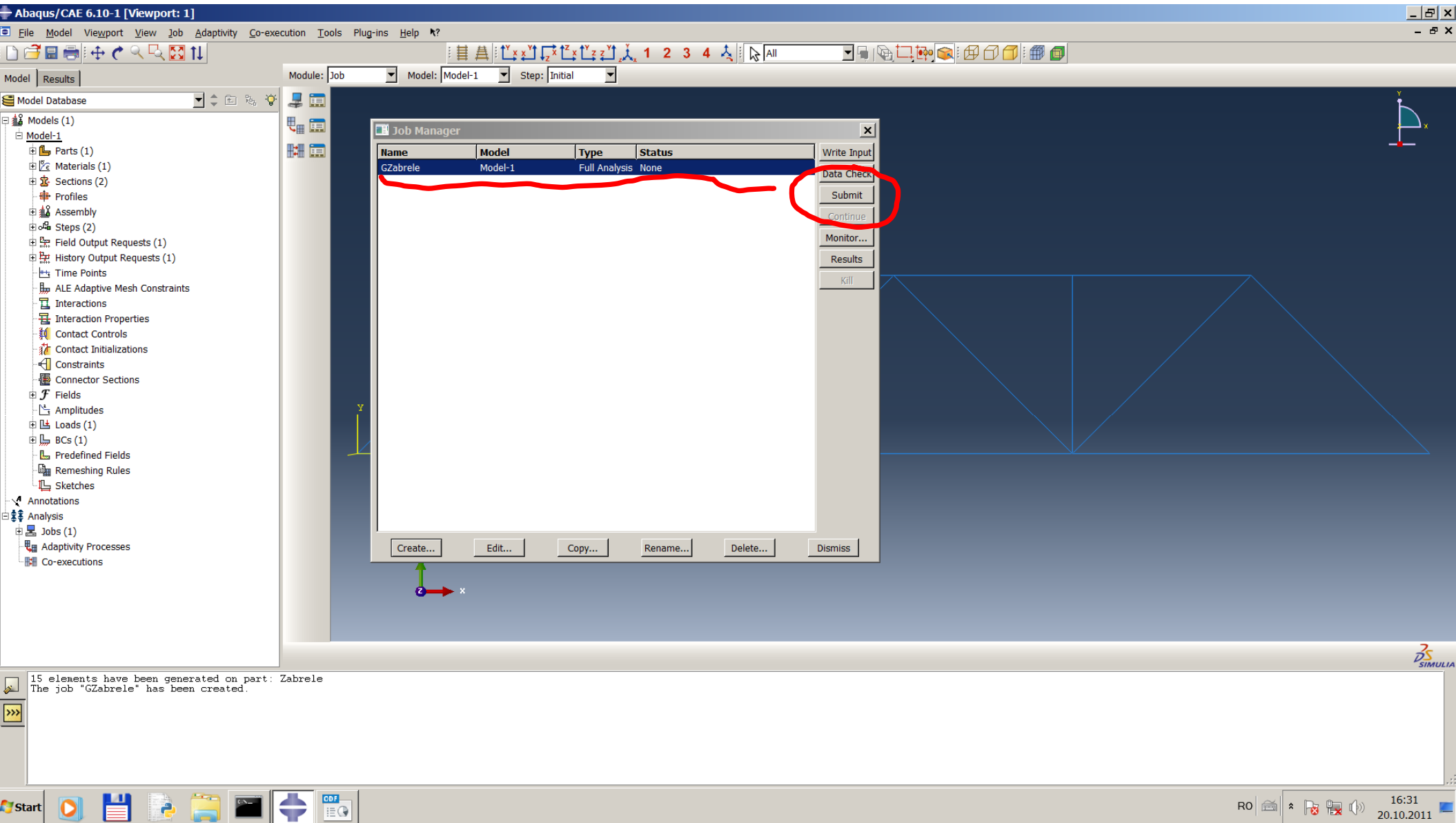
Managerul Job – Crearea analizei



Parametri analizei



Trimiterea spre analiza



Monitorizarea analizei

Abaqus/CAE 6.10-1 [Viewport: 1]

File Model Viewport View Job Adaptivity Co-execution Tools Plug-ins Help

Model Database

Models (1)

Model-1

- Parts (1)
- Materials (1)
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- BCs (1)
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- Remeshing Rules
- Sketches

Annotations

Analysis

- Jobs (1)
- Adaptivity Processes
- Co-executions

Module: Job Model: Model-1 Step: Step-1

Job Manager

Name	Model	Type	Status
GZabrele	Model-1	Full Analysis	Completed

Write Input
Data Check
Submit
Monitor...
Kill

Create... Edit... Copy... Rename... Delete... Dismiss

GZabrele Monitor

Job: GZabrele Status: Completed

Step	Increment	Att	Severe Discon Iter	Equil Iter	Total Iter	Total Time/Freq	Step Time/LPF	Time/LPF Inc
1	1	1	0	1	1	1	1	1

Log Errors Warnings Output Data File Message File Status File

Completed: Abaqus/Standard
Completed: Thu Oct 20 16:42:32 2011

Search Text

Text to find: ☐ Match case

The job input file "GZabrele.inp" has been submitted for analysis.
Job GZabrele: Analysis Input File Processor completed successfully.
Job GZabrele: Abaqus/Standard completed successfully.
Job GZabrele completed successfully.

Start

RO

16:43
20.10.2011

Rezultatele analizei

Abaqus/CAE 6.10-1 [Viewport: 1]

File Model Viewport View Job Adaptivity Co-execution Tools Plug-ins Help

Model Database

Models (1)

Model-1

- Parts (1)
- Materials (1)
- Sections (2)
- Profiles
- Assembly
- Steps (2)
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- History Output Requests (1)
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- Constraints
- Connector Sections
- Fields
- Amplitudes
- Loads (1)
- BCs (1)
- Predefined Fields
- Remeshing Rules
- Sketches

Annotations

Analysis

Jobs (1)

Adaptivity Processes

Co-executions

Module: Job Model: Model-1 Step: Initial

Job Manager

Name	Model	Type	Status
GZabrele	Model-1	Full Analysis	Completed

Write Input
Data Check
Submit
Continue
Monitor...
Results
Kill

Create... Edit... Copy... Rename... Delete... Dismiss

15 elements have been generated on part: Zabrele
The job "GZabrele" has been created.
The job "GZabrele" has been created.
The job input file "GZabrele.inp" has been submitted for analysis.
Job GZabrele: Analysis Input File Processor completed successfully.
Job GZabrele: Abaqus/Standard completed successfully.
Job GZabrele completed successfully.

Start

RO

16:33
20.10.2011

Modulul Visualisation - Rezultate

