









The modelling process	
SC Geometry Material Properties Derameters Inputs	
Boundary conditions-Properties groups Pre-processing	
Conversion to the solver structure	
Simulation core (SPIS-NUM) Monitoring Simulation	
Data extraction and analysis  Generic pipeline  Dedicated pipeline  Export  Dedicated pipeline  Export  Dedicated pipeline  Dedicated pipeline  Export  Dedicated pipeline  Dedicated pipeline Dedicated pipeline Dedicated pipeline Dedicated pipeline Dedicated pipeline	
The Tool Bar order follows the most common modelling process!	
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Project

-Geometry-Geometry File Setting

-Properties-

Material Properties

Initial & Boundary Conditions Groups

Numerical kernel settings-

Additionnal Parameters

Plasma Properties

Project Infos

Project Loader

Electrical Nodes





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Global Parameters Setting 000 Global Parameters Editor Volume Interactions B Field Simulati exerctions B Field Simulation control Planam Outputs Poisson equat
 Determine Provide Plasma Outputs Poiss Volume link electronic service electronolensity electronolensity electronolensity electronolensity electronolbarito electrono float None [m-3] [#/[m3]] None (s] [s] [-] [-] [eV] [eV] [w/m3] None None [s] [-] [eV] [eV] [eV] [eV] [eV] ionSpeedUp ionSpeedUp2 ionTemperature ionTemperature2 ionType Add Remove save and quit Don't forget to •Define the global (i.e. unlocalised properties) save and quit! •See the "How-to control NUM from UI" for the meaning of each parameter SAVE PROJECT At this level, the whole pre-processing is done.

	RTENUM		
SIM	viation Control		
•SPIS-UI is a generic framework, data need to be converted into the SPIS-NUM structure by clicking on UIDANUM			
•The Solver icon launch the simulation process.			
•S	mulation can be done i	in several mode:	
•	lterative mode (default) batch mode	O O Simulation run type selection     Internal task (spis deamon)     External job (system deamon)     OK	O         O         Numerical kernel           Numerical kernel         SPS-NUM is running in daemon mode.           Please see the standard log for more details.
Sev	veral information and dialogue b	oxes should appears.	
Check the Jython and the standard logs and take care to possible errors messages.			
Yo the	ı can extract data during the sir Solver->SPIS-NUM->Solver:Ex	mulation by selecting stract Data menu.	
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Data extraction and analy/i/

•End of the simulation, output data are returned to the framework.

- •Use the DataField Manager to extract and convert them
- •Location of data may require to be converted













OK OK OK

menu.

End of the first part	