

Thank you to give me a few moments to better understand your needs in the scope of your activity

Presentation of SCOS :

SCOS project aims to make scientist's life easier, sharing tools and results with colleagues when needed. Launched by a 22 partners consortium, the SCOS community is expanding in Europe through direct collaborations or through its members business/R&D. With three main projects inside the scope of SCOS, V3D has a specific focus on user's needs and aims to provide a web based service for high performance and collaborative access to the numerical analysis results.

Focus of the questionnaire:

My focus is on the explicitation of the user's needs for establishing distant collaboration as a PhD thesis in ergonomics (human factors) at INRIA-EIFFEL2 (Rocquencourt-France). These needs will guide the specifications of V3D tools.

Collaboration could be defined in a soft weak when people share resources, e.g. documents, initial condition and data input, but they would do more. Else, collaboration could be defined in a strong way when it involve rich communication to argue and make decisions around dataset of results and shared visualization. From this point of view, collaboration is kind of:

We distinguish several steps in numerical analysis. For our needs, we will describe three main steps.

First we have the pre-processing step:

- specification of data and numerical methods for the problem
- definition and construction of the geometry and the description of the discrete mesh of the volume
- implementation code, e.g. physical modelling and equation.

Secondly there is a computing and testing step:

- control of the computing
- validation

The post-processing step is guided by the analyse of the results:

- making decisions and modify input or implementation methods
- communication and report results in reunions and conferences.

For each step my questions will concern: do you collaborate with others ? who are they? what is the goal of your interactions with other? around which data did you collaborate or communicate? which media did you use? what goal did you follow (e.g. discuss and reach solution around problems, argue with different view or perspective, make decision, or discover, etc.)? what needs do you have for collaboration tools ? did you encounter problems in collaboration? etc.

For each step there is one page where I give you space to answer my questions and note your remarks for the step. If you are not concerned by a particular step because it is not your work activity you can simply switch it.

Questionnaire SPINE/SPIS

[1]	Pre-processing
<i>Note your remarks for this steps</i>	
Do you collaborate with others: generally or in some particular cases (which one)? <i>Answer</i>	
Who are your interlocutors? <i>Answer</i> ... What is the goal of your interactions with other? <i>Answer</i>	
Around which data do you interact? <i>e.g. textual documents, plans or visual representations, etc.</i> <i>Answer</i>	
Which media do you use (detail for multiple uses)? <i>e.g. phone, email, face to face communication in conferences, etc.</i> <i>Answer</i>	
Describe an example of a problem you encountered at this step: <i>Answer</i> How did you overcome this problem? <i>Answer</i> Which limits of the used media did you encounter? <i>Answer</i>	
Which needs for collaboration tools do you have for this step ? <i>e.g. communication tools or functionality that you might use like shared screen (VNC) or virtual environment, etc.</i> <i>Answer</i>	

Questionnaire SPINE/SPIS

[2]	Computing and validation
<i>Note your remarks for this steps</i>	
Do you collaborate with others: generally or in some particular cases (which one)? <i>Answer</i>	
Who are your interlocutors? <i>Answer</i> ... What is the goal of your interactions with other? <i>Answer</i>	
Around which data do you interact? <i>e.g. textual documents, plans or visual representations, etc.</i> <i>Answer</i>	
Which media do you use (detail for multiple uses)? <i>e.g. phone, email, face to face communication in conferences, etc.</i> <i>Answer</i>	
Describe an example of a problem you encountered at this step: <i>Answer</i> How did you overcome this problem? <i>Answer</i> Which limits of the used media did you encounter? <i>Answer</i>	
Which needs for collaboration tools do you have for this step ? <i>e.g. communication tools or functionality that you might use like shared screen (VNC) or virtual environment, etc.</i> <i>Answer</i>	

Questionnaire SPINE/SPIS

[3]	Post-processing
<i>Note your remarks for this steps</i>	
Do you collaborate with others: generally or in some particular cases (which one)? <i>Answer</i>	
Who are your interlocutors? <i>Answer</i> ... What is the goal of your interactions with other? <i>Answer</i>	
Around which data do you interact? <i>e.g. textual documents, plans or visual representations, etc.</i> <i>Answer</i>	
Which media do you use (detail for multiple uses)? <i>e.g. phone, email, face to face communication in conferences, etc.</i> <i>Answer</i>	
Describe an example of a problem you encountered at this step: <i>Answer</i> How did you overcome this problem? <i>Answer</i> Which limits of the used media did you encounter? <i>Answer</i>	
Which needs for collaboration tools do you have for this step ? <i>e.g. communication tools or functionality that you might use like shared screen (VNC) or virtual environment, etc.</i> <i>Answer</i>	

[4] Personal functions:

What is your entity or organization membership?

Answer

...

What is your role and status?

Answer

...

...

...

What is your domain expertise?

Answer

...

...

...

How would you define your activity?

Answer

...

...

...

What are your responsibilities in a numerical analysis project?

Answer

...

...

...

Do you generally intervene on a particular step in the process or in all the process steps?

Answer

...

...

...

What is the duration of a numerical analysis (in month or year (detail))?

How do it evolve?

Answer

...

...

...

Your name:

First name [_____] - Last name [_____]

Your coordinates:

Email [_____AT_____]

Do you agree to participate for another steps in this research: [YES] [NO MORE]

Thank you for your time.

I will send you the results of the questionnaire.

All the treatments will remain anonymous. Your answers will serve for statistical analysis according with the focus of our research.

I assure you that names and coordinates will be not communicated.