

Time: \_\_\_\_:\_\_\_\_

## **Explora Tool – Usability Study**

The objective of this study was to evaluate the usability of ExploraTool, a system designed to visualize, explore, and query remote repositories of large simulations.

We do not collect personal data and all submitted information will remain confidential. Our study is performed complying with ethical principles, and also according with national and EU legislation:

- "Data Protection Code - Legislative Decree no. 196/2003"  
[http://www.garanteprivacy.it/web/guest/home\\_en/italian-legislation](http://www.garanteprivacy.it/web/guest/home_en/italian-legislation)
- "EU's Data Protection Directive", <http://ec.europa.eu/justice/data-protection/>

Your answers and suggestions will help us to understand your satisfaction about the effectiveness and the usability of Explora Tool.

Thanks for your time and for your cooperation.

## ***Preliminary Survey***

### ***Personal Information***

***Nickname:*** \_\_\_\_\_

***Age:*** \_\_\_\_\_

***Gender:***

☐ Female

☐ Male

***Educational attainment:***

☐ High School

☐ Bachelor Degree

☐ Master Degree

☐ PhD

### ***General Information***

***1. In your free time, how many hours per week do you spend at your PC?***

☐ Less than 1 hour

☐ Between 1 and 3  
hours

☐ Between 3 and 5  
hours

☐ More than 5 hours

***2. How do you consider your experience in the ICT field?***

☐ Inexpert

☐ Beginner

☐ Competent

☐ Advanced

☐ Expert

**3. I have been working in CFD for:***(Write the number of years)***Years****4. I work in my company as:**☐ Employee☐ Consultant**5. Mainly my role is:**☐ CFD analyst☐ Technical Manager☐ Performance  
Engineering☐ Team Leader**6. Every year I make a number of simulations equal to:***(Insert the number)***Simulations per year****7. Please, specify what charts and / or diagrams you know (multiple choice)**☐ Bar chart☐ Pie chart☐ Line chart☐ Bubble chart☐ Surface Chart☐ Graphs☐ Treemap☐ Euler Venn*Other*

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### ***Search of simulations and comparison of performance***

***8. Do you think it could be useful compare performance between different releases of the same project?***

☐ Yes

☐ No

☐ I do not know

***9. Do you have a tool that allows you to extract and compare quickly performances between different project releases?***

☐ Yes

☐ No

☐ I do not know

***If so, what tools do you use?***

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***10. Do you think it could be useful compare performance between different projects?***

☐ Yes

☐ No

☐ I do not know

***11. Do you have a tool that allows you to extract and compare performances between different projects?***

☐ Yes

☐ No

☐ I do not know

***If yes, what tools do you use?***

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***12. Do you think it could be useful to have, during development, statistics on configurations, performances and targets achieved?***

☐ Yes

☐ No

☐ I do not know

**13. Do you already have a tool that allows you to extract performance statistics for a basket of simulations / configurations?**

☐ Yes

☐ No

☐ I do not know

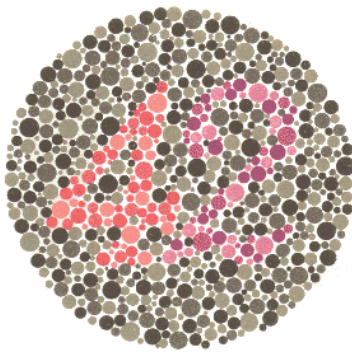
*If yes, what tools do you use?*

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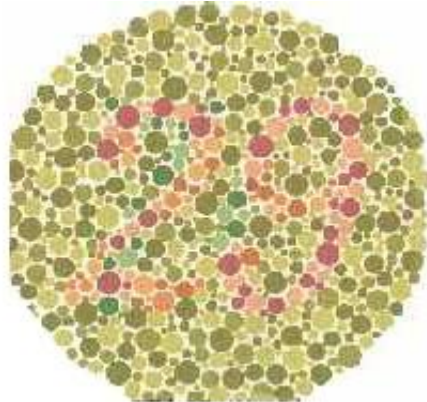
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**14. Given the following images, please specify what numbers you are able to identify**

**PICTURE A** \_\_\_\_\_



**PICTURE B** \_\_\_\_\_



Time: \_\_\_\_:\_\_\_\_