WG5:
common tools
to working groups

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INTRODUCTION

- The goal of this working group is the

  1. **development**,

  2. **presentation**,

  3. **grant an easy access**,

  to the **tools** that might be useful for the **neutrino community**.

- Point 1 and 2 were already in the list of task of this working group whereas **point 3 is the innovation**.

CENTRE DE CALCUL (CC)

- To have the software tools available and ready to use for the whole neutrino community we profit from the **Centre de Calcul** (CC) of in2p3 at Lyon (*http://cc.in2p3.fr/*).

- A **new group** called "**gdrnu**" has been created.

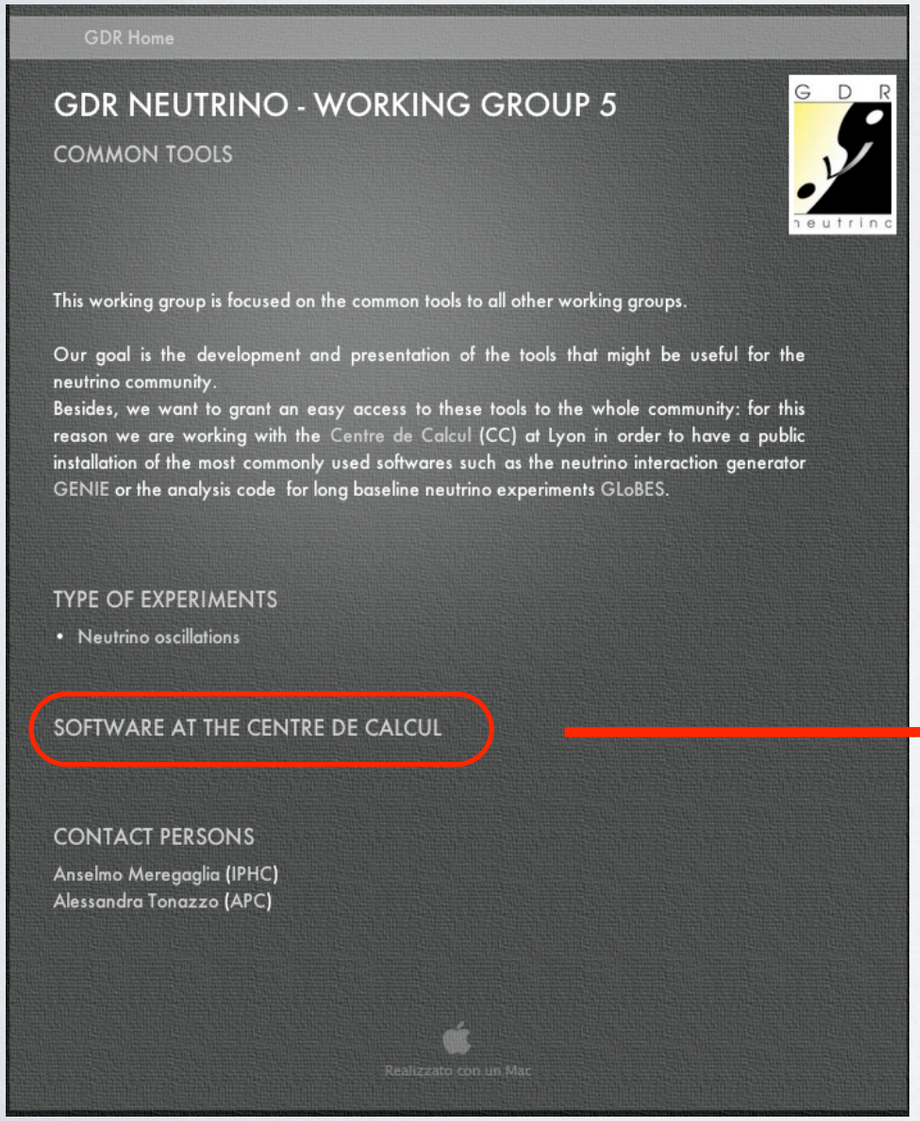
- All **people** having already an account at CC and **interested** to be part of this group should simply **send me an email** and they will be added to the list of the users.

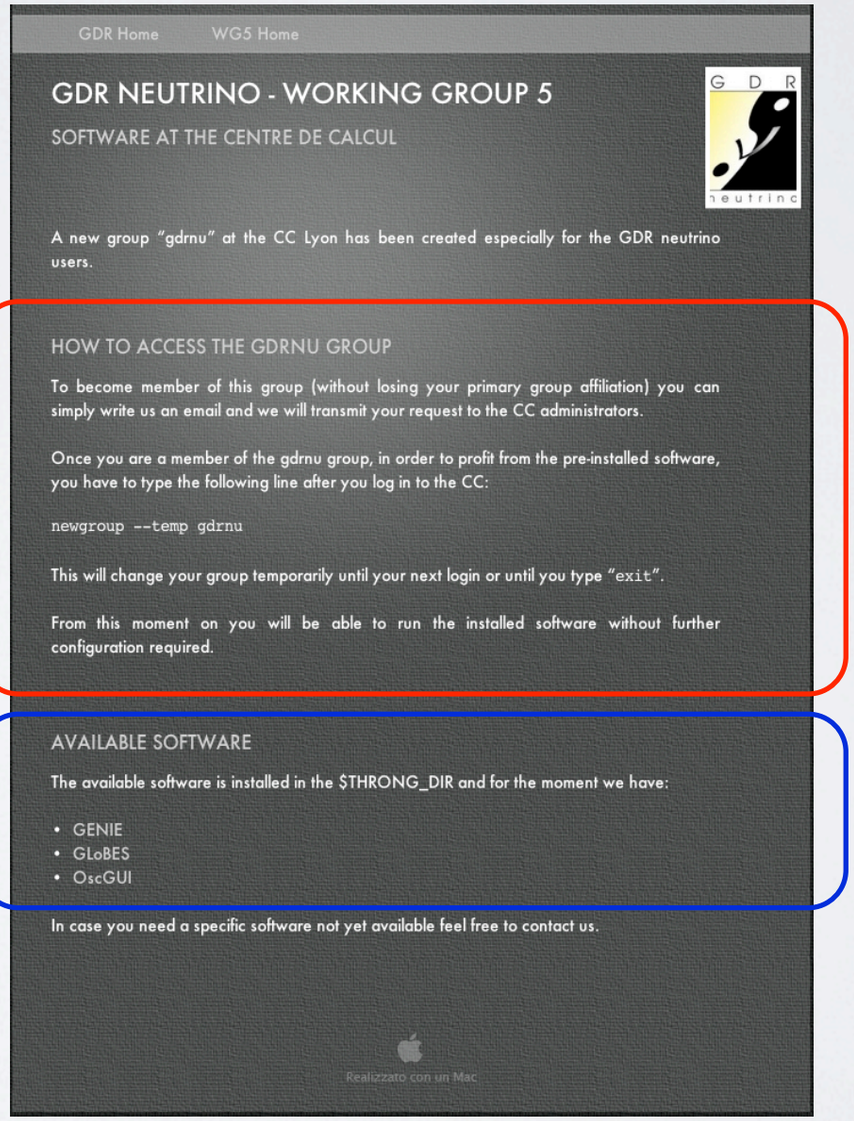
- **"Will this affect my standard account?"**. The answer is **NO**. You will simply profit from the pre-installed software with no drawbacks.

DOCUMENTATION

- All the details can be found on the WG5 website:

http://gdrneutrino-wg5.in2p3.fr/GDRWG5/WG5_Home.html





General information on how to use the gdrnu group features

Links to specific information on the available software

HOW TO USE IT IN 2 WORDS

- Write us an email to be added to the list of users.

- Once you have logged in at CC simply type:

```
newgroup --temp gdrnu
```

- Your group will be changed **temporarily** until your next login or until you type

```
exit
```

- While you are working in the gdrnu group you can use the pre-installed software without any additional configuration required (e.g. to run GLoBES just type `globes`).

- At the following login your "standard setup" will be used and your account will not be affected in the least by the fact that you are member and used the gdrnu group features.

WHAT'S AVAILABLE

- Right now we have installed the following software:

  1. GENIE: neutrino MC generator (*http://www.genie-mc.org/*).

  2. GLoBES: long baseline experiment simulator (*http://www.mpi-hd.mpg.de/personalhomes/globes/*).

  3. OscGUI: simple GUI to plot neutrino oscillation probability.

- All the available software so far is related to long baseline neutrino oscillations, however we will be very please to add software which is useful for other neutrino fields (theoretical computations? Supernova neutrinos? Double beta decays?). **Just let us know** what you think it might be useful for you and your colleagues.

- Feel free to pass the information to all people that might be interested and **email us if you want to be added to the group**.

- So far we only have 16 GB of "throng" directory (backed up space) and 32 GB for group directory. It is not much but more than enough so far and **the evolution of this will depend on how many users we will have and their demand**.