

## Joint EGO-Virgo Computing Committee (JECC) meeting

Cascina, 12<sup>th</sup> December 2017

**Meeting Minutes**

### Presents :

**A. Bozzi (EGO - Head of IT Department)**

**L. dell'Agnello (CNAF - phone)**

**R. Lemrani (CC-IN2P3 - phone)**

**G. Punturo (VIRGO VDASC Coordinator)**

### Topics:

- Virgo use of computing center resources in 2017 and 2018-2019 forecast (M. Punturo)
- Ego contribution to the off-line computing cost 2017 and forecast for 2018
- Budget request for 2018

Slides and documents presented during this meeting are available at:

<https://workarea.ego-gw.it/ego2/ego/computing/jecc/jecc-meeting-12-dec-2017>

## Virgo use of computing center resources

M. Punturo presented the status and forecast of the Virgo Collaboration computational needs.

2017 has been a wonderful year for Virgo and CCIN2P3 and CNAF contributed to the successes, but we have to improve many aspects.

2018 will be mainly a preparatory year.

Virgo will restart to run hopefully at the end of 2018, hence it hasn't substantial additional quantitative requests for 2018.

In 2019 Virgo probably need to double the computing power at CNAF, increase at CCIN2P3, and it need more disk space (+100TB at CNAF, +64TB? at CCIN2P3) and about 1PB of tape both at Lyon and Bologna

How to be operative since January 2019?

We need to solve together problems detected in O2, like

- 1) iRODS problem (CCIN2P3)
- 2) Midnight sleeping (CNAF?)
- 3) grid certificate (CNAF)
- 4) Buffer saturation (CCIN2P3)
- 7) Buffer saturation (CNAF)

These and other arguments will be discussed to the F2F meeting the 16th of January 2018.

## Needs 2018

No increment of tapes disks and CPU is foreseen in Bologna.

In Lyon we suppose to maintain the 2017 CPU consumption and the same amount of disk and new 120TB of tape.

## **EGO contribution to the off-line computing cost 2017 and forecast for 2018**

EGO pay for the storage, 34TB disks and 195TB tapes in Lyon and 65 TB tapes in Bologna.

In addition, according to the pay-for-allocation accounting model, established at CNAF, EGO will pay the new power installed on 2017 (5000 HS06).

In Lyon Ego pay the consumption (485000 HS06.day)

**To sum up, the 2017 EGO contribution to the off-line computing cost will be:**

**CNAF : 50 K€**

**IN2P3 : 21 k€**

### **Budget request for 2018**

The CCs have provided estimated costs for 2018, and committed within the 2018Ego budget is 105k€