

WP1-meetings

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WP1 meetings:

LNGS-Italy, February 09th, 2009

Instructions:

The next ET Working group 1 (WG1) meeting, concerned with site selection and infrastructure for ET, is planned at the Gran Sasso Laboratory (<http://www.lngs.infn.it/>) on monday 9 february from 9am to 4pm.

A shuttle bus will be available from Rome Fiumicino airport to Gran Sasso (a trip of about 1h 45') in the evening of sunday 8 with return on the evening of monday 9 and/or on tuesday 10 morning, depending on the requests.

To reserve an accomodation on site and the airport shuttle bus, please send an email to misticoni_at_lngs.infn.it not later than january 30 with the date and time of arrival and departure. A number of rooms in nearby hotels (served with a shuttle to and from the Gran Sasso Lab) have been booked.

Agenda:

First session: General overview on important geophysical issues

09:00 – 09:15

Prof. Eugenio Coccia

*Department of Physics, University of Rome Tor Vergata (Italy)
Welcome and Overview of the Gran Sasso Laboratory*

09:15 – 09:30

Prof. Jo van den Brand

*Department of Physics, Nikhef Amsterdam (The Netherlands)
Einstein Telescope and goals for Working Group 1*

09:30 – 09:50

Prof. Giuliano Francesco Panza

*Department of Physics, University of Trieste (Italy)
Non-Linear Dynamics of the Earth's Lithosphere*

09:55 – 10:15

Prof. Roberto Sabadini

Earth Sciences Department – University of Milan (Italy)

Our living planet, from the Earth's surface to the lower mantle

10:20 – 10:40

Dr. David Rabeling

*Department of Physics and Astronomy (Vrije Universiteit Amsterdam)
Finite element calculations of seismic motion and gravity gradient noise*

10:45 – 11:00

Coffee break

Second session: Aspects of site selection

11:00 – 11:20

Prof. Carlo Doglioni

*Earth Sciences Department – University of Rome “La Sapienza”
Geodynamics of the European region*

11:25 – 11:45

Dr. Hartmut Grote

*Albert Einstein Institute (Germany)
Seismic data from the Black Forest Underground station and*

11:50 – 12:10

Dr Gaetano De Luca

*National Civil Protection Department – National Institute of Geophysics and Seismology (Italy)
Underground seismic array and seismic noise*

Third session: Information about engineering and

12:15 – 12:35

Prof. Fulvio Ricci

*University of Rome “La Sapienza” (Italy)
Preliminary ideas concerning suspensions for Einstein*

12:40 – 13:00

Prof.Eng. Roberto Guercio

*University of Rome “La Sapienza” (Italy)
Engineering issues for underground cavern construction*

13:05 – 13:25

Dr. Eng. Roberto Tartaglia

Laboratori Nazionali del Gran Sasso (Italy)

Safety issues in the underground laboratories

13:30 – 14:25 Lunch break

14:30 – 16:25 Dr. Gaetano De Luca

*National Civil Protection Institute of Nuclear Physics
Visit seismic arrays inside and outside the LNGS*

16:30 – 18:00 Discussion

Past meetings:

[Kick-off meeting](#) , October 31, 2008 (Nikhef + EVO)