

Einstein Telescope - Site Preparation Board Workshop 3

Report of Contributions

Contribution ID: 1

Type: **not specified**

number 1

Session Classification: Afternoon session

Contribution ID: 2

Type: **not specified**

number 2

Session Classification: Afternoon session

Contribution ID: 3

Type: **not specified**

General workshop overview, purpose and scope

Wednesday, 6 December 2023 09:10 (10 minutes)

Presenter: WALK, Wim (Nikhef)

Session Classification: Afternoon session

Contribution ID: 4

Type: **not specified**

What has been achieved so far towards measurements standards

Wednesday, 6 December 2023 09:20 (10 minutes)

Presenter: D'URSO, Domenico

Session Classification: Afternoon session

Contribution ID: 5

Type: **not specified**

Review of measured environmental noise effects @ KAGRA

Wednesday, 6 December 2023 09:30 (20 minutes)

Presenter: TATSUKI

Session Classification: Afternoon session

Contribution ID: 6

Type: **not specified**

Review of measured environmental noise effects @ VIRGO

Wednesday, 6 December 2023 09:50 (20 minutes)

Presenter: IRENE FIORI

Session Classification: Afternoon session

Contribution ID: 7

Type: **not specified**

ANM status and perspectives

Wednesday, 6 December 2023 10:10 (20 minutes)

Presenter: L. NATICCHIONI

Session Classification: Afternoon session

Contribution ID: 8

Type: **not specified**

Welcome statement

Wednesday, 6 December 2023 09:00 (10 minutes)

Presenter: BENTVELSEN, Stan

Session Classification: Afternoon session

Contribution ID: 9

Type: **not specified**

SPB/WD1 status

Wednesday, 6 December 2023 10:45 (20 minutes)

Presenter: L. NATICCHIONI & S. KADMIEL

Session Classification: Second morning session

Contribution ID: **10**

Type: **not specified**

EMR Noise Measurement Plan

Presenter: M. KIEHN & S. KADMIEL

Session Classification: Second morning session

Contribution ID: 11

Type: **not specified**

Noise model and attenuation relations for the EMR Einstein Telescope candidate site

Wednesday, 6 December 2023 11:05 (20 minutes)

Presenter: S. KADMIEL

Session Classification: Second morning session

Contribution ID: 12

Type: **not specified**

Prospects of Passive seismic for shallow subsurface characterization at the EMR site for ET

Wednesday, 6 December 2023 11:25 (20 minutes)

Presenter: KOLEY, Soumen

Session Classification: Second morning session

Contribution ID: 13

Type: **not specified**

Identification and characterization of vibration sources for the Einstein Telescope

Wednesday, 6 December 2023 13:20 (20 minutes)

Presenter: G. DEGRANDE (KU Leuven)

Session Classification: Afternoon session

Contribution ID: 14

Type: **not specified**

Noise measurements @Sardinia

Wednesday, 6 December 2023 13:40 (20 minutes)

Presenter: DI GIOVANNI, Matteo

Session Classification: Afternoon session

Contribution ID: 15

Type: **not specified**

Preliminary results of WINES experiment (Wind turbine Noise assessment) in the Italian ET site candidate (

Wednesday, 6 December 2023 14:20 (20 minutes)

Presenter: G. DIAFERIA

Session Classification: Afternoon session

Contribution ID: 16

Type: **not specified**

Planning anthropogenic noise studies in EMR

Wednesday, 6 December 2023 14:40 (20 minutes)

Presenters: F. NGUYEN; M. KIEHN; S. KADMIEL

Session Classification: Afternoon session

Contribution ID: 17

Type: **not specified**

Seismic noise site Comparison

Wednesday, 6 December 2023 14:00 (20 minutes)

Presenter: A. RIETBROK

Session Classification: Afternoon session

Contribution ID: **18**

Type: **not specified**

Active Seismic experiences and outlook at EMR

Wednesday, 6 December 2023 13:00 (20 minutes)

Presenter: M. KIEHN

Session Classification: Afternoon session

Contribution ID: 19

Type: **not specified**

NN evaluation from seismic noise

Wednesday, 6 December 2023 15:35 (20 minutes)

Presenter: J. HARMS

Session Classification: Second afternoon session

Contribution ID: 20

Type: **not specified**

Magnetic noise in GW detectors and mitigation

Wednesday, 6 December 2023 15:15 (20 minutes)

Presenter: B. GARAVENTA

Session Classification: Second afternoon session

Contribution ID: 21

Type: **not specified**

Seismic NN glitches: impact on ET sensitivity and duty cycle

Wednesday, 6 December 2023 16:15 (20 minutes)

Presenter: R. DE ROSA

Session Classification: Second afternoon session

Contribution ID: 22

Type: **not specified**

NN modeling and cancellation methods

Wednesday, 6 December 2023 15:55 (20 minutes)

Presenter: F.BADARACCO

Session Classification: Second afternoon session

Contribution ID: 23

Type: **not specified**

Discussion and listing of site characterisation and mitigation that impact the ET Design and Engineering

Session Classification: Second afternoon session

Contribution ID: 24

Type: **not specified**

Discussion: moving forward on noise measurements and standards

Session Classification: Second afternoon session

Contribution ID: 25

Type: **not specified**

Using DEEP-ERT to characterize deep geological structures: a preview of the Val-Dieu campaign

Thursday, 7 December 2023 13:00 (20 minutes)

Presenter: H. MICHEL & Y. FORTH

Session Classification: Afternoon session

Contribution ID: 26

Type: **not specified**

Borehole drilling schedule and approach

Thursday, 7 December 2023 13:20 (20 minutes)

Presenter: VINK, Bjorn

Session Classification: Afternoon session

Contribution ID: 27

Type: **not specified**

Core and Borehole measurements - approach and standards

Thursday, 7 December 2023 13:40 (20 minutes)

Presenter: M. WALDVOGEL

Session Classification: Afternoon session

Contribution ID: **28**

Type: **not specified**

Borehole experiences at Sardina site

Thursday, 7 December 2023 14:00 (20 minutes)

Presenter: NATICCHIONI, Luca (INFN Roma)

Session Classification: Afternoon session

Contribution ID: 29

Type: **not specified**

Hydro-geology at EMR

Thursday, 7 December 2023 09:00 (20 minutes)

Co-author: P. ORBAN & G. QUENTIN (PR)

Presenter: P. ORBAN & G. QUENTIN (PR)

Session Classification: Geology and hydro-geology session

Contribution ID: **30**

Type: **not specified**

Geo-modelling at EMR

Thursday, 7 December 2023 09:40 (20 minutes)

Presenter: N. CHUDALLA

Session Classification: Geology and hydro-geology session

Contribution ID: 31

Type: **not specified**

Standardized workflow for geological and geomechanical interpretation

Thursday, 7 December 2023 10:00 (20 minutes)

Presenter: P. LAMAS & G.J. VIS

Session Classification: Geology and hydro-geology session

Contribution ID: 32

Type: **not specified**

Noise discussion summary: noise team and how to move forward

Thursday, 7 December 2023 14:20 (10 minutes)

Session Classification: Summary - Outlook

Contribution ID: **33**

Type: **not specified**

ETO summary/overview from ET Annual Meeting

Thursday, 7 December 2023 10:40 (20 minutes)

Presenter: Prof. MARSELLA, Maria (Univ. of Rome La Sapienza)

Session Classification: Second Morning session

Contribution ID: 34

Type: **not specified**

Approach to measurement standards

Session Classification: Second Morning session

Contribution ID: 35

Type: **not specified**

Kick-off discussion site characterization contents for Bidbook

Session Classification: Second Morning session

Contribution ID: **36**

Type: **not specified**

Validation procedures

Presenter: D'URSO, Domenico (University of Sassari and INFN)

Session Classification: Second Morning session

Contribution ID: 37

Type: **not specified**

Open slot for Discussion

Thursday, 7 December 2023 11:00 (1 hour)

Session Classification: Second Morning session

Contribution ID: **38**

Type: **not specified**

Introduction on the hydrogeological modelling of the ET site (Sardinia)

Thursday, 7 December 2023 09:20 (20 minutes)

Presenter: Prof. SAPPA, Giuseppe (Univ. of Rome La Sapienza)

Session Classification: Geology and hydro-geology session

Contribution ID: 39

Type: **not specified**

Summaries and adjourn

Thursday, 7 December 2023 14:30 (30 minutes)

Session Classification: Summary - Outlook