

**Fourth Network School –  
Multi-facet Science: data,  
models, infrastructure,  
industry and communication**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **Ice-Breaker / Dinner**

*Monday 27 May 2024 19:00 (2h 30m)*

“Fliegender Holländer” Benkertstraße 5, 14467 Potsdam

Contribution ID: 2

Type: **not specified**

## **Introduction - presentation of the School**

*Tuesday 28 May 2024 08:30 (15 minutes)*

**Presenters:** PAPALE, Paolo (INGV); JOUSSET, Philippe (GFZ)

Contribution ID: 3

Type: **not specified**

## **Science, industrial projects and life/work balance: perceptive from Landsvirkjun, the national energy company in Iceland**

*Tuesday 28 May 2024 08:45 (45 minutes)*

online

**Presenter:** PÁLSSON, Bjarni (Landsvirkjun)

**Session Classification:** S1: DATA - large variety of observations –what are we observing

Contribution ID: 4

Type: **not specified**

## **Analysis of a gravity record collected in the active caldera of Campi Flegrei: a search for volcanic signals**

*Tuesday 28 May 2024 09:30 (45 minutes)*

**Presenter:** RICCARDI, Umberto (Univ. Napoli)

**Session Classification:** S1: DATA - large variety of observations –what are we observing

Contribution ID: 5

Type: **not specified**

## Physics-based inversions of deformation data

*Tuesday 28 May 2024 10:45 (45 minutes)*

**Presenter:** CAYOL, Valerie (CNRS, Clermont-Ferrand)

**Session Classification:** S1: DATA - large variety of observations –what are we observing

Contribution ID: 6

Type: **not specified**

## **Fluid sampling and interpretation**

*Tuesday 28 May 2024 11:30 (45 minutes)*

**Presenter:** REGENSPURG, Simona (GFZ)

**Session Classification:** S1: DATA - large variety of observations –what are we observing

Contribution ID: 7

Type: **not specified**

## **Numerical modelling of magmatic-hydrothermal systems**

*Tuesday 28 May 2024 14:00 (45 minutes)*

**Presenter:** WEIS, Philipp (GFZ)

**Session Classification:** S2: MODELS - derivation of models from data –modeling approaches

Contribution ID: 8

Type: **not specified**

## **Geodynamic modelling of extensional plate boundary dynamics**

*Tuesday 28 May 2024 14:45 (45 minutes)*

**Presenter:** BRUNE, Sascha (GFZ)

**Session Classification:** S2: MODELS - derivation of models from data –modeling approaches

Contribution ID: 9

Type: **not specified**

## **Analogue modelling: visit to experimental tectonics lab**

*Tuesday 28 May 2024 17:00 (1 hour)*

**Presenter:** ROSENAU, Matthias (GFZ)

**Session Classification:** S2: MODELS - derivation of models from data –modeling approaches

Contribution ID: **10**

Type: **not specified**

## **Marine techniques for geodetic modelling**

*Tuesday 28 May 2024 16:00 (1 hour)*

**Presenter:** MURPHY, Shane (IFREMER)

**Session Classification:** S2: MODELS - derivation of models from data –modeling approaches

Contribution ID: **11**

Type: **not specified**

## **Free evening**

*Tuesday 28 May 2024 20:00 (1h 30m)*

Contribution ID: 13

Type: **not specified**

## **The International Continental Scientific Drilling Program ICDP: inner workings and how to get engaged**

*Thursday 30 May 2024 08:45 (45 minutes)*

**Presenter:** BOHNHOFF, Marco (GFZ)

**Session Classification:** S3: INTEGRATION

Contribution ID: 14

Type: **not specified**

## **Electromagnetics for a better understanding of geothermal and magmatic systems**

*Thursday 30 May 2024 09:30 (45 minutes)*

**Presenter:** WECKMANN, Ute (GFZ)

**Session Classification:** S3: INTEGRATION

Contribution ID: 15

Type: **not specified**

## **Model-based assessment of geophysical observations**

*Thursday 30 May 2024 10:45 (45 minutes)*

**Presenter:** CURRENTI, Gilda (INGV)

**Session Classification:** S3: INTEGRATION

Contribution ID: 16

Type: **not specified**

## **Self-Organisation Map (SOM) and data-driven integration methods**

*Thursday 30 May 2024 11:30 (45 minutes)*

**Presenter:** BAUER, Klaus (GFZ)

**Session Classification:** S3: INTEGRATION

Contribution ID: 17

Type: **not specified**

## **Seismological instrumentation: scientific aim and practical use - GIPP presentation and visit**

*Thursday 30 May 2024 14:00 (45 minutes)*

**Presenter:** HABERLAND, Christian (GFZ)

**Session Classification:** S4: INFRASTRUCTURE

Contribution ID: **18**

Type: **not specified**

## **Fibre optic sensing**

*Thursday 30 May 2024 14:45 (45 minutes)*

**Presenters:** WOLLIN, Christopher (GFZ); EHSANINEZAD, Leila (GFZ)

**Session Classification:** S4: INFRASTRUCTURE

Contribution ID: 19

Type: **not specified**

## **a Brief Journey into the EU Landscape of Research Infrastructures**

*Thursday 30 May 2024 16:00 (1 hour)*

**Presenter:** POTIE, Paul-Eric (Obs. Paris)

**Session Classification:** S4: INFRASTRUCTURE

Contribution ID: 20

Type: **not specified**

## How to write a scientific publication?

*Thursday 30 May 2024 17:00 (1 hour)*

**Presenter:** REGENSPURG, Simona (GFZ)

**Session Classification:** S4: INFRASTRUCTURE

Contribution ID: 21

Type: **not specified**

## **Career development, planing, goal setting**

*Friday 31 May 2024 08:45 (45 minutes)*

**Presenters:** REY CROWIE, Claudia (GFZ); SARRIA DULCEY, Maryory (GFZ)

**Session Classification:** S5: PROJECTS - Transfer

Contribution ID: 22

Type: **not specified**

## **Advertising, disseminating, transferring science.**

*Friday 31 May 2024 09:30 (45 minutes)*

**Presenter:** ZENS, Josef (GFZ)

**Session Classification:** S5: PROJECTS - Transfer

Contribution ID: 23

Type: **not specified**

## **From Science to founding a company - DiGOS and FOMON**

*Friday 31 May 2024 10:45 (45 minutes)*

**Presenters:** KLOTH, Andre (DiGos); LIPUS, Martin (FOMON)

**Session Classification:** S5: PROJECTS - Transfer

Contribution ID: 25

Type: **not specified**

## Openday

*Friday 31 May 2024 14:00 (3 hours)*

**Session Classification:** S5: PROJECTS - Transfer

Contribution ID: 26

Type: **not specified**

## Social dinner

*Thursday 30 May 2024 20:00 (3 hours)*

Contribution ID: 27

Type: **not specified**

## **wrap up discussion**

*Friday 31 May 2024 11:30 (45 minutes)*

**Session Classification:** S5: PROJECTS - Transfer