

## CRL Coordination Meeting 2023 Points and Tasks

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*Remote participants:* O. Ktenidou, E. Vassilakis, G. Karamitros, I. Fountoulakis, P. Briole, S. Bufferal, M. El Assaoui, E. Papadimitriou, P. Bernard, A. Ganas, V. Karastathis, S. Lambotte, H. Lyon-Kaen, A. Avallone, P. Papadimitriou, V. Tsironi, A. Rigo, V. Karakostas,

### *CRL coordination 1 session:*

Madani: Pool of short period seismometers, are they available for deployment in case of a crisis? Seismometers are not ready yet. The digitizers have been prepared and now are being tested. They will be finished in September. They cannot have a modem and a SIM card to receive data.  
**CONCLUSION:** Removed.

### **TASK: Sokos to distribute Prototype for MOU working**

A **CRL governance committee (CRL-GC)** will be formed by each member of the five basic CRL entities, So Elias (NOA), Kaviris (NKUA), Sokos (UPAT) from Greece and Bernard (CNRS) and Plicka or Zahradnik (CUP) from France and Chez Republic. **TASK : The CRL-GC will meet to define a Chair.**

Elias: Prepare an MoU between us. Governance, administrative issues. Financial model. **TASK for the CRL-GV**

Cost of running the observatory, one single document. There is one but it must be updated. **TASK: by CRL-GC**

Projects: Transform 2, October, MOSAIC → who will lead? FIM-OPTIQUE (**Pascal**), it is in slow progress. GEO-INQUIRE: With in the next months a call for CRL Transnational access will be issued. External Groups will have to apply.

Ganas: Enhance the GNSS database for Greece.

CRL Scientific visiting committee CRL-SVC, Antonio Avallone, Tsoflias, Townend, Gaitano, Launo, Clinton. Only Avallone was confirmed. **TASK : the CRL-GV**

Karastathis: Radon stations, there are two stations. He is looking for an area to install. A place that has geothermal properties. Will be in contact with P. Bernard for this issue.

Geraga: Interested to have some gas emission stations, but she is not present.

Papatheodorou: Look for ECTS educational units (SEE BELOW).

Elias: Contact to Meteorologists. They could give some data from one station. **CONCLUSION:** completed. **Madani, Pascal: TASKS : 1. Choose one meteorological station to gather the data. 2. Description of the two sites, 2. Status of these meteo stations.**

Ganas: Fault database, has not received any comments. The HELPOS database is available. Nothing new from last year. Maybe in October a meeting will be conducted in which Ganas and Madani will have a presentation. **TASK: Ganas will make a meeting, he will send an email and Elias will send him a contact list**

Bernard: Aigion borehole. Will search and not contact. Status and possible exploitation of the Aigion borehole, there is not so much progress. Maybe ask questions in person. **TASK: Sokos to find contacts.**

Elias: Create a bulletin, need answer to what it will be incorporated into this bulletin. Maybe conduct a meeting with everyone needed. **TASK: Kapetanidis will act as coordinator/editor for the bulletin. He will prepare a meeting around October**

*CRL coordination 2 session:*

P. Bernard: Sustainability of the CRL stations, Problems of sustainability from CNRS. They had a meeting.

Sokos, Elias, Evangelidis, Kaviris: General MoUs between CNRS/INSU and Greek partners. NOA and Patras have signed and not in the University of Athens. Some years ago. Probably it needs to be updated. **TASK: The CRL-GV to make one MoU with all participants.**

Elias, Kaviris, Kapetanidis: Telemetry issues for GNSS: We can start and GNSS We may add more sim cards for GNSS stations. If the CNRS part agrees we move on. **TASK: Bernard confirm CRNS agrees**

Pierre and members: Web page of CRL → Pierre will stop maintaining at the end of 2024. A proposal has been submitted for funding for the webpage, but it was not accepted. EPOS cannot support to fund the upgrade for the webpage. **CONCLUSION:** It is up to us and how we will describe it. We need an IT to setup a well-designed and operational website. (We have an IT person and we will contact him in order to understand if he has some knowledge). **TASK for the CRL-GV**

**When and where we will host the next CRL Coordination Meeting.** We can create a two-week time period. It is preferable to have people together in person. Sokos and Evangelidis proposed that we should start before or after CRL School in Patras. About the French side: Pierre: Agrees, Madani: disagrees due to the month because of the harsh schedule, Pascal: disagrees, Sophie Lambotte: disagrees. **CONCLUSION the next CRL coordination meeting will be held within the first two weeks of June 2023, in the University of Athens.**

Kaviris: Colleagues from CNRS involved with the management and operation of CRL in long term. The only permanent French researchers that come here is Pierre and Pascal. We need younger ones to take the lead after Pierre and Pascal. We need the French side to coordinate it about here.

Pascal said that it is a problem the French side tries to solve. **TASK: The French side to secure the continuation of CRL from CNRS.**

Partnership detail of CRL, past and present (members and collaborating members). Maybe Thessoliniki, Harokopeio. Apart from the basic five. Maybe we can have the system about the observers etc. Is it valid to have the three statuses? **TASK by the CRL-GV**

### *CRL coordination 3 session:*

EPOS NFO internal session. We need an IT person that will be dedicated to providing the services in the form they are needed (automatic catalogues, manual catalogues, moment tensors, manual waveforms, the VP/VS ratio, the historical earthquake catalogue, the strainmeter data, etc). The semester that is coming. Two Greek researchers, one seismologist and one from GNSS, will have contracts to work on CRL data and to maintain stations within 10 days after a problem occurs. The person for Seismology will be A. Zymvragakis. Contracts from September (achievable). Two NOA boards are required, call and selection.

AGAIN, in the meeting: Czech participation–MoU? We cannot discuss it this year. They still agree.

### *CRL coordination 4 session:*

EPOS NFO external session: Main issue is the IT for the services that they have not been delivered on time.

With the NFO partners we have agreed to re-submit the TRANSFORM project (March 2024).

New observer is the north Italy.

Do we need new services in 2024?

Sokos added that for field instruments and maintenance we depend on money from projects.

CRL needs to be recognized as an NFO from HELPOS.

We can take care just for maintenance we cannot change instruments.

No new TCS to schedule for now. we have to secure the existing ones first.

### *CRL coordination 5 session:*

Education and public outreach session.

**CONCLUSION, CRL School 2024 will be earlier due to ESC24.**

We had many applications, in 2023 we had quite many applications both from teachers and MSc, PhD students.

EGU is still financing.

We found sponsors.

Next year is going to be earlier due to ESC 2024.

We will have some High-School students (14-15 years old) special groups that have worked for at least one year in geosciences.

Criteria for the selection of the teachers are the geological background, geographical location, and PhD degree.

The end of September is the best period for French students, but they do not come.

For 2024 we will have some French students in the beginning of October, some of which may participate in the CRL School 2024.

Almost half students are Greek and only 1 or 2 are from Patras.

Erasmus agreement for exchange of students (CNRS-NKUA): TASK: Bernard to inform for any changes with the ERASMUS between University of Athens and Paris Diderot.

**TASK: Sokos will communicate with Papatheodorou about the ECTS of CRL School.**