**Wednesday, June 29th, 2022**

**09:30 – 09:40** : Workshop introduction (M. Chaussidon, S. Guillot & J.-D. Paris)

**09:40 – 10:40** : Historical perspective and current status (Chair : A. Maggi)
- 09:40 – 10:10 : From conception to maturity : the first decades of Geoscope (B. Romanowicz & M. Cara)
- 10:10 – 10:40 : Geoscope today (M. Vallée & D. Zigone)

**10:40 – 11:00** : Coffee break (Médiathèque & Outremer room)

**11:00 – 12:20** : Very broadband seismological instrumentation and acquisition (Chair : T. Forbriger)
- 11:00 – 11:30 : Conception and development of the STS-1 seismometer (E. Wielandt)
- 11:30 – 11:50 : 35 years of system design in support of global seismological networks (J. Steim)
- 11:50 – 12:05 : New generation very broadband seismometers (N. Leroy)
- 12:05 – 12:20 : Broadband seismometers in boreholes: advantages and drawbacks based on multiple feedbacks (M. Bès de Berc)

**12:20 – 14:00** : Lunch and poster session (Médiathèque & Outremer room)

**14:00 – 16:05** : Study of the Earth structure (Chair : J. Trampert)
- 14:00 – 14:25 : The mantle's drapes: 30 years of global tomography (S. Durand)
- 14:25 – 14:50 : Normal modes of the Earth : selected observational aspects (R. Widmer-Schnidrig)
- 14:50 – 15:15 : 40 years of core studies from broadband data (A. Souriau & M. Calvet)
- 15:40 – 16:05 : From mantle plumes to environmental studies, Geoscope in Pacific, Indian and Antarctic experiments (G. Barruol)

**16:05 – 16:45** : Group photo and refreshments (Médiathèque & Outremer room)

**16:45 – 18:15** : Panel discussion : Recollection of 40 years of evolutions of the Geoscope network (Chair : N. Leroy and J.-M. Saurel)

**19:00 – 23:00** : Dinner (by invitation, 6th floor restaurant)
Thursday, June 30th, 2022

09:00 – 10:35 : Seismic networks and data distribution (Chair : B. Romanowicz)

09:00 – 09:20 : FDSN history, current status, and the future (T. Ahern)
09:20 – 09:35 : Data from the Geoscope Observatory (C. Pardo)
09:35 – 09:55 : The GSN network (D. Wilson)
09:55 – 10:15 : The Geofon programme and Eida in 2022 and beyond (F. Tilmann)
10:15 – 10:35 : Résif and Epos: impact of federating national and european partners to observe and understand the Earth (H. Pedersen)

10:35 – 11:00 : Coffee break (Médiathèque & Outremer room)

11:00 – 12:30 : Study of the earthquake source (Chair : C. Satriano)

11:00 – 11:25 : W phase : constraining the seismic source with very long period data (L. Rivera)
11:25 – 11:50 : 40 years of analyses of seismic sources with global broadband data (G. Ekström)
11:50 – 12:10 : The broad spectrum of earthquake analyzes enabled by the global seismological networks (M. Vallée)
12:10 – 12:30 : Use of the prompt elasto-gravity signals for earthquake characterization (K. Juhel)

12:30 – 13:50 : Lunch (Médiathèque & Outremer room)

13:50 – 15:00 : Beyond seismology on land (Chair : G. Nolet)

13:50 – 14:15 : Broadband seismology in the oceans (J.-P. Montagner)
14:15 – 14:40 : Extraterrestrial broadband seismology (P. Lognonné)
14:40 – 15:00 : A global analysis of atmospheric waves produced by the January 2022 eruption of Hunga volcano (J. Vergoz)

15:00 – 17:30 : Beyond elastic waves generated by earthquakes (Chair : N. Shapiro)

15:00 – 15:20 : Extracurricular seismograms: from tsunamis to gravity airwaves (E. Okal)
15h20 – 15:40 : Global seismic signature of the 2022 Hunga Tonga eruption (P. Poli)
15:40 – 16:05 : Refreshments (Médiathèque & Outremer room)

16:05 – 16:30 : Seismic noise sources (E. Stutzmann)
16:30 – 16:50 : Challenges in physical modeling of landslides and glaciers: how seismic data can help (A. Mangeney)
16:50 – 17:10 : Very long-period signals at Piton de la Fournaise volcano, La Réunion (Z. Duputel)
17:10 – 17:30 : « Jerk »: A successful early warning method to forecast volcanic eruptions at Piton de la Fournaise (F. Beauducel)

17:30 – 18:30 : Concluding remarks and discussion