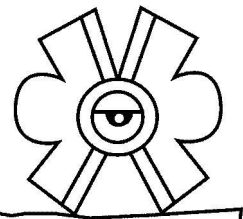


**ANNEXES of the
Annual Report**

The following annexes are included:

- Slides of the main leader of the project Presentation during the Annual Online meeting.
Updates of the network and annual summary of activities
- Slides of the Discussion session (notes are being edited) hold during the Annual Online meeting
- List of participants of the Annual Meeting Discussion Session
- List of Publications of the network (from 2018 to 2022) related to the focus of the IGCP 669

IGCP-669 Project OLLIN 2022- Annual Meeting



OLLIN-IGCP-669

The next 23rd and 24th november, members of the OLLIN network will meet to strength the linkages and to discuss the main focus ideas of the IGCP-669 Project: Identification of seismogenic faults in populated areas of Latin America and its incorporation into seismic hazard assessment.

We'll have two participative sessions (from 9 AM to 13h AM Mexican time, GMT-6) in which we'll have a key-note lecture followed by a working session on specific subjects. We encourage you to register through this form (see below) to let us know your intention to attend the meeting and to suggest topics of interests for the discussion session.

The program is as follows:

23rd NOVEMBER

9-9:20AM Welcome and summary of the state of the network and past activities (by María Ortuño)

9:20-11 AM Key-note lecture by Julián García-Mayordomo (IGME, Spain) on incorporation of geological data into seismic hazard assesment + Open questions

24th NOVEMBER

9-10:30 AM Key-note lecture by Daniel Melnick (Univ de Chile) on fault data bases: the example of Chile + Open questions

10:30-10:45 AM Break

10:45-11:45 AM Brief presentation of participants and Discussion session (only for people registered. Click here to register: <https://forms.office.com/r/YJavVaB77s>)

11:45-12:00 AM Break

12:00-12:30 AM Closing session to collect suggestions for the new annual plan of the group



United Nations
Educational, Scientific and
Cultural Organization





Open discussion OLLIN Annual meeting 2022



2022 Annual meeting

23-24 novembre – online

Project 669 - Identification of seismogenic faults in populated areas of Latin America and its incorporation into seismic hazard assessment



Open discussion OLLIN Annual meeting 2022



- **23rd NOVEMBER**

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Open discussion OLLIN Annual meeting 2022



WHERE

Three major regional working areas are defined:

- The Transmexican Volcanic belt (México)
- The Northern South American Plate Boundary
(Ecuador, Colombia, Venezuela)
- The Central and Southern Andes (Perú, Argentina, Chile)



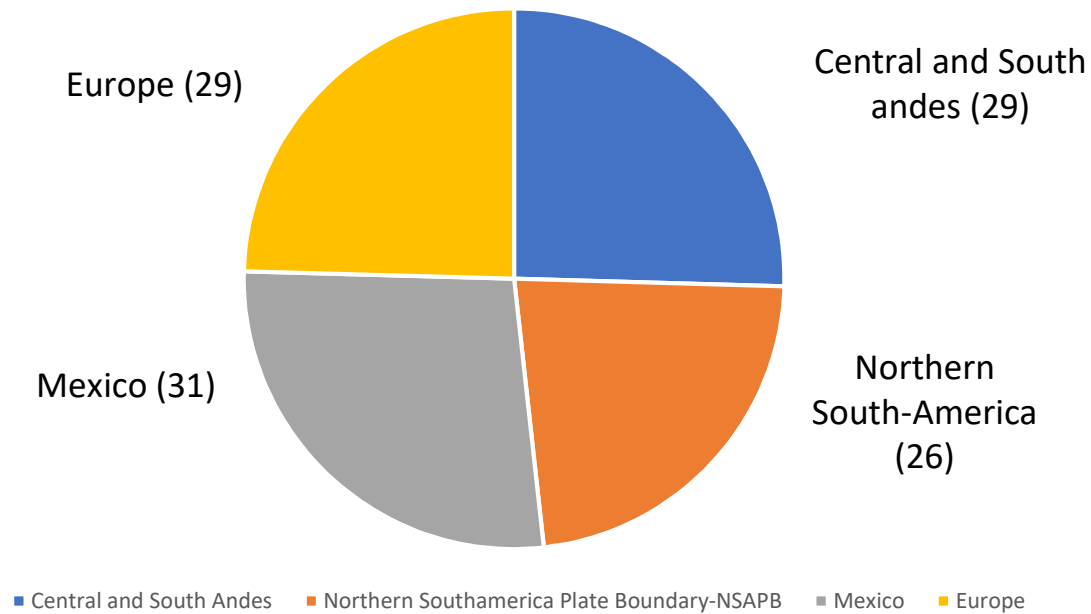
Open discussion OLLIN Annual meeting 2022



WHO

- OLLIN Network (supported by IGCP 669)

Distribution of participants (114)





Open discussion OLLIN Annual meeting 2022



NAME	INSTITUTION	COUNTRY
Transmexican Volcanic Belt-TMVB (Coord. P. Lacan)		
Jélime Cecilia Aray Castellano	UNAM	Mexico
Martha Gabriela Gómez Vasconcelos	CONACYT	Mexico
María Magdalena Velázquez Bucio	UNAM	Mexico
Diana Soria Caballero	UNAM	Mexico
Alma Delia Lagunas	UNAM	Mexico
Andres David Nuñez	UNAM	Mexico
Asmita Mohanty	UNAM	Mexico
María-Teresa Ramírez-Herrera	UNAM	Mexico
Mario Ordaz	UNAM	Mexico
Pierre Lacan	UNAM	Mexico
Ramón Zúñiga	UNAM	Mexico
Rodrigo León	UNAM	Mexico
Sara Ivonne Franco Sánchez	UNAM	Mexico
Víctor Hugo Márquez	UNAM	Mexico
Sambit Naik	Pukyong National university	Korea
Krzysztof Gaidzik	University of Silesia	Poland
John M. Fletcher	CICESE	Mexico
Martha Carolina Balbuena Salomon	CICESE	Mexico
Jaziel Froylan Cambron	CICESE	Mexico
Mayra Serna Hernandez	CICESE	Mexico
Fernando Rodrigo Díaz Jaramillo	CICESE	Mexico
Ivan Peña Villa	CICESE	Mexico
Alejandro Hinojosa	CICESE	Mexico
Ronald Spelz Madero	UABC	Mexico
Thomas Rockwell	San Diego State University	USA
Keene Karlsson	San Diego State University	USA
Víctor Cruz Atienza	UNAM	Mexico
John Díaz Mojica	UNAM	Mexico
Néstor Corona Morales	colmich	Mexico
Gerardo Suárez	UNAM	Mexico
Marco Pizza	Insubria University	Italia



Open discussion OLLIN Annual meeting 2022



NAME	INSTITUTION	COUNTRY
Central and South Andes (Coord: S. Moreiras and C. Benavente)		
Victor Hugo García	La.Te. Andes S.A. (CONICET-Geomap)	Argentina
Sam Wimpenny	University of Cambridge	UK
Bruno Colavitto	UNSJ-CONICET	Argentina
Carlos Costa	UNSL	Argentina
Federico Haro	UNSJ-CONICET	Argentina
Flavia Tejada	UNSJ-CONICET	Argentina
Juan Alcacer	UNSJ-CONICET	Argentina
Laura Patricia Analía Perucca	UNSJ-CONICET	Argentina
María Romina Onorato	UNSJ-CONICET	Argentina
Martín Rothis	UNSJ-CONICET	Argentina
Pablo Blanc	UNSJ-CONICET	Argentina
Stella Moreiras	CONICET	Argentina
Alicia Rivas	Univ Concepción	Chile
Andrés Tassara	Univ Concepción	Chile
Daniel Melnick	UACH	Chile
Felipe Aron	ING	Chile
Gabriel González	CIGIDEN	Chile
Joaquin Cortés	UDEC	Chile
Luis Alberto Astudillo Sotomayor	Univ Concepción	Chile
Natalia Zamora	CIGIDEN	Chile
Gabriel Vargas	Universidad de Chile	Chile
Anderson Rafael Palomino Tacuri	Universidad Nacional de San Antonio Abad del Cusco	Peru
Briant Garcia Fernández Baca	Instituto Geológico Minero y Metalúrgico	Peru
Carlos Lenin Benavente Escobar	Instituto Geológico Minero y Metalúrgico	Peru
Gabino Fabrizio Delgado Madera	PUCP	Peru
Lorena Rosell	Universidad Nacional de San Antonio Abad del Cusco	Perú
Laurence Audin	IRD	France
Andy Combey	UGA, ISTERre	France/Perú
Victoria Alvarellos	IDEAN, Universidad de Buenos Aires, CONICET	Argentina



Open discussion OLLIN Annual meeting 2022



NAME	INSTITUTION	COUNTRY
Northern Southamerica Plate Boundary-NSAPB (J.García-Mayordomo (provisional) and L. Audin)		
André Singer		Venezuela
Franck Audemard	FUNVISIS	Venezuela
Javier Parra		Venezuela
María Eugenia Linares		Venezuela
Clemencia Gomez	UNAL	Colombia
Gabriel Prieto	UNAL	Colombia
Gloria López	Universidad de Haifa/Freelance	Colombia
Mónica Arcila	SGC	Colombia
Myriam Carlota López	SGC	Colombia
Albeiro Rendon	Univ Nacional-Sede Medellín	Colombia
Ana Tobon	UGA, ISerre	Colombia
Carolina Cornejo	IKIAM	Ecuador
Belén Benites	IKIAM	Ecuador
Alexandra Alvarado	IGEPN	Ecuador
Corina Campos	IKIAM	Ecuador
Hugo Yepes	IGEPN	Ecuador
Oswaldo Guzman	IKIAM	Ecuador
Céline Beauval	UNI-GRENOBLE	France
Judith Marinier	Univ. de Grenoble	France
Laurence Audin	IRD	France
Léa Pousse Beltrán	CEREGE	France
Diana Saqui	IGEPN	France/Ecuador
Tamara Briceño	UTPL	Ecuador
Ángela María Gómez García	UNAL/GFZ Postdam	Colombia/Alemania
Álvaro González	GFZ Postdam	España/Alemania
Nicolás Pinzón Matapí	IPGP, France	Colombia



Open discussion OLLIN Annual meeting 2022



NAME	INSTITUTION	COUNTRY
EUROPE (Coord. M.Ortuño and J. García-Mayordomo)		
Eulalia Masana	Universidad de Barcelona	Spain
Giorgi Khazarade	Universidad de Barcelona	Spain
Julián García-Mayordomo	IGME	Spain
María Ortuño	Universidad de Barcelona	Spain
Octavi Gómez Novell	Universidad de Barcelona	Spain
Raimon Pallàs	Universidad de Barcelona	Spain
Joanna Faure Walker	UCL	UK
Alessandra Schibuola	UNI-Trieste	Italy
Alessandro Valentini	UNICH	Italy
Alessio Testa	UNICH	Italy
Bruno Pace	UNICH	Italy
Francesco Visini	INGV	Italy
Giulia Massolino	OGS	Italy
Laura Peruzza	INOGS	Italy
Lucilla Benedetti	CEREGE	France
Oona Scotti	IRSN	France
Stephan Baize	IRSN	France
Graeme Weatherill	GFZ	Germany
Héctor Perea	Universidad Complutense Madrid	Spain
Marisol Monterrubio	Barcelona Super Computer Center	Spain/Mexico
Otilio Rojas	Barcelona Super Computer Center	Spain
Josep de la Puente	Barcelona Super Computer Center	Spain
Marc Ollé López	Universidad de Barcelona	Spain
Ambrosio Vega Ruiz	GFZ	Germany/Chile
Chirs Sue	IsTERRE Université de Franche-Comté	France
Herve Jomard	IRSN	France
Julia Molins	Universidad de Barcelona	Spain



Open discussion OLLIN Annual meeting 2022



María Ortuño, Julián García-Mayordomo, Pierre Lacan, Laurence Audin, Franck Audemard, Germán Prieto, Laura Peruzza, Ramón Zúñiga, Carlos Benavente, Stella Moreiras, Myriam C. López, Mónica Arcila





Open discussion OLLIN Annual meeting 2022



WHAT

2022 activities

- **19-23 sept** Congreso de Geomorfología y Cuaternario de Argentina
<https://cacyg2022sj.com.ar/>
- **25-30 sept** PATA days France <https://patadays-2022.sciencesconf.org/>
- **3-5 oct** Latin American and Caribbean Seismological Congress
LACSC -<http://www.lacsc2022quito.com/>.

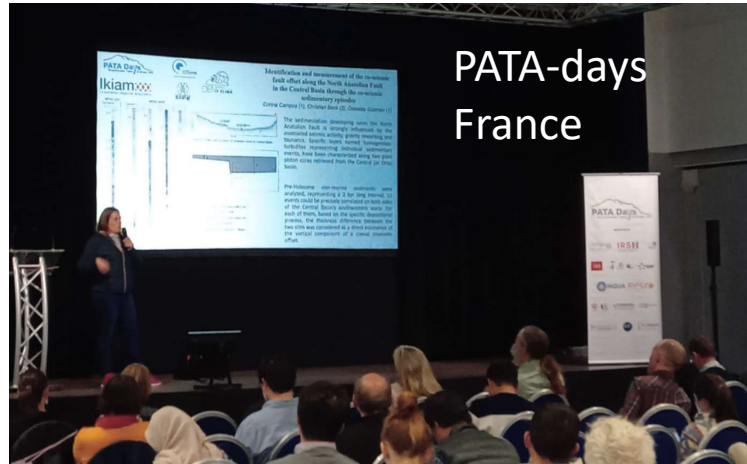
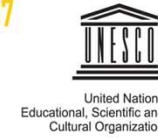


Open discussion OLLIN Annual meeting 2022

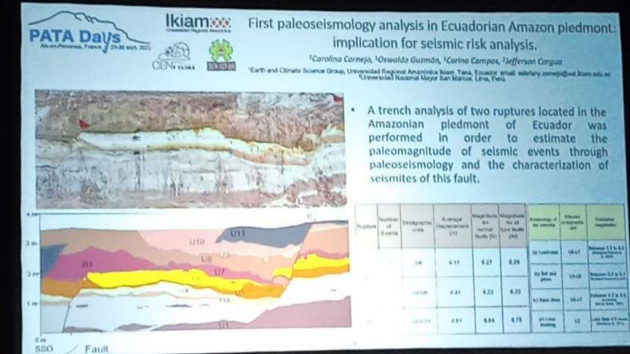




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PATA-days France



PATA-days France



CAQG Argentina



LAQS Ecuador



Open discussion OLLIN Annual meeting 2022



CAQG
Argentina



Open discussion OLLIN Annual meeting 2022



PATA-days
France





Open discussion OLLIN Annual meeting 2022



LAUNCHING SOCIAL MEDIA





Open discussion OLLIN Annual meeting 2022



8 GRANTS to attend meetings

- | | |
|-------------------------------|----------|
| 1 Ana M.Tobon Lopez/N. Pinzón | PATA |
| 2 Fabien Ramel | PATA |
| 3 Carolina Cornejo | PATA |
| 4 Belen benites | PATA |
| 5 Pierre Lacan | LAQS |
| 6 Rodrigo León | LAQS |
| 7 Magdalena Velazquez | LAQS |
| 8 Luis Astudillo | San Juan |

2 Mobility grants

Oswaldo Guzmán

Franck Audemar



Open discussion OLLIN Annual meeting 2022



WHAT'S NEXT???

- 2023 Budget (depending on approval)
- SUMER SCHOOL (july or august)
- Mobility/Meeting grants





Open discussion OLLIN Annual meeting 2022



2022 Annual Meeting Discussion session

23-24 novembre – online

Project 669 - Identification of seismogenic faults in populated areas of Latin America and its incorporation into seismic hazard assessment



Open discussion OLLIN Annual meeting 2022



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Open discussion OLLIN Annual meeting 2022



Open discussion

Three major topics of interest where identified

- Use of Seismic parameters (from geology) into SHA
- Fault characterization (general and for specific settings- crustal faults, tropical environments..)
- Logistics. Group working and post-seismic response



Open discussion OLLIN Annual meeting 2022

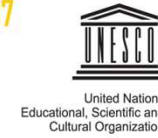


The screenshot shows a Zoom meeting interface. The main area displays a grid of 16 video thumbnails. The participants in the grid are: Ana-Maria Tobón-López, María Ortuno Candela, Andrés Nuñez, Laurence Audin, Stéphane Baize, Julian García-Mayordomo, Octaví Gómez Novell, Pierre Lacan, Rodrigo León, Gloria I. López, Martínez Jaramillo Daniel, Luis Martín Rothis (INGEO - UNSJ ...), Danilo Alfonso González Pacheco, Magda Velázquez-Bucio, Adolfo David Robayo, Iván Ortiz, Julian Andres Lopez Isaza, and Monica Arcila. The bottom toolbar includes icons for Stop Video, Security, Participants (18), Polls, Chat, Share Screen, Record, Reactions, Whiteboards, More, and a red Leave button.

On the right side, there is a search bar labeled "Find a participant" and a list of participants with their names and icons. The list includes: Stéphane Baize (Co-host), Julian Garcia-Mayordomo, Gloria I. López, Adolfo David Robayo, Ana-Maria Tobón-López, Andrés Nuñez, Danilo Alfonso González Pacheco, Iván Ortiz, Julian Andres Lopez Isaza, Laurence Audin, Luis Martín Rothis (INGEO - UNSJ - CONICET), Magda Velázquez-Bucio, Martínez Jaramillo Daniel, Monica Arcila, Octavi Gómez Novell, and Rodrigo León. Each name has a small icon to its left and a microphone and video camera icon to its right, indicating their status.



Open discussion OLLIN Annual meeting 2022



Zoom Meeting

You are co-editing Maria Ortuño Candela's whiteboard

Participants (30)

Find a participant

- Stella Moreiras (Me)
- PL Pierre Lacan (Host)
- MO Maria Ortuño Candela (Co-host)
- Carlos Costa
- Julian Garcia-Mayordomo
- Adolfo David Robayo
- AT Ana-Maria Tobón-López
- Andrés Nuñez
- D Daniel Melnick
- Danilo Alfonso González Pacheco
- DS Diana Saqui
- Eliana Gómez-Hurtado

Who can see what you share here?

100%

Unmute Start Video Participants Chat Share Screen Record Reactions Apps Whiteboards Leave

Escribe aquí para buscar

32°C 14:41 24/11/2022

Activar Windows
Ve a Configuración para activar Windows.

You can now send non-verbal feedback ("yes", "slow down", etc.) from "Reactions" on the toolbar.

NEW

Untitled

Share

Problemas:
longitudes no corresponden con Magnitud (en fallas inversas, rupturas de fallas anteriormente ciegas)

Leyes de atenuación tienen gran impacto pero necesitamos definir la fuente

Relaciones escalares. Observamos rupturas que son de efectos secundarios no de la falla fuente (flexural slip, gravitational slip..)

Laurence Audin

Stella Moreiras

Carlos Costa

Julian Garcia-Mayordomo

Maria Ortuño Candela



Open discussion OLLIN Annual meeting 2022







47 people registered

de Investigaciones Geológico Geociencias UNSJ-CONICET Ikiam
Nacional UNAM de Universidad de Tucumán
Geofísico Colombiano Instituto Servicio Escuela
INGEO - FCFyN Conacyt-Instituto Cgeo- UNAM CGeo UNAM Amazónica

4. Which region are you working on?

[Más dades](#)

 Mexico	8
 Northern Southamerica Plate Bo...	14
 Central and South regions of the...	18
 A different one	5





Open discussion OLLIN Annual meeting 2022



TOPICS of INTEREST

fault database tectonics cortical faults
seismic response Neotectonic fault data parameters of faults
Fault characterization slip rate **fault** seismic hazard Fault complexities
fault information PSHA hazard assesment data in PSHA
Fault zone fault area seismogenic faults seismic evidence



Open discussion OLLIN Annual meeting 2022



30 contribution specific questions

Topics you would like to cover in the working sessions (with the ones that show to be interesting we'll do a selection to guide the working sessions)

- Dating methods, slip rate estimations
- ★ Incorporation the fault data into seismic hazard assesment
- ★ Incorporation of geological data into seismic hazard assesment
- ★ Integration of active fault data in PSHA
- Identification of seismogenic faults and seismoinduced environmental effects
- ★ Post-seismic response
- ★ Seismic hazard assessment
- Constraints on paleoearthquake timing from paleoseismic data
- ★ collaboration between work groups
- ★ Fault characterization for seismic risk studies
- Identification of seismogenic faults
- ★ Fault based PSHA, fault database homogenization
- fault slip rates, northern andean sliver tectonics
- a) Fault rock types & its characteristics in tropical vs temperate regions (variations in saturation, heat, stress, etc.); b) Fault zone width & its effects on reliably mapping the fault area; c) Degree of preservation of co-seismic evidence in tropical (highly weathered stratigraphic profiles) vs temperate regions
- ★ Relevant fault information to integrate in PSHA; key parameters of faults to integrate in PSHA (R-crisis/ SHERIFF)
- Fault complexities at plate boundaries, width/activeness at seismotectonic boundaries
- ★ Seismic Hazard Assesment
- Neotectonic - landslide
- Paleosismología, neotectonica
- ★ SHA
- ★ seismic hazard evaluation, morphotectonics
- ★ Sismicidad y neotectonica
- ★ manejo de programas para cálculos de tensores de esfuerzos regionales y locales
- cortical faults
- ★ Quantification of fault slip-rates and earthquake probability, transfer of knowledge to risk management
- Solo enterarme del proyecto por ahora
- Paleoseismology, tectonic geomorphology, neotectonics
- Neotectonics, palaeoseismology.
- Neotectonics



Open discussion OLLIN Annual meeting 2022



- SONDEOS
- Discusión (whiteboard)
- Post-seismic response Propuesta de reunión online el próximo año



Problemas:

longitudes no corresponden con Magnitud (en fallas inversas, rupturas de fallas anteriormente ciegas)

Leyes de atenuación tienen gran impacto pero necesitamos definir la fuente

Relaciones escalares. Observamos rupturas que son de efectos secundarios no de la falla fuente (flexural slip, gravitational slip..)

QAFI <https://info.igme.es/qafi/> No da la magnitud (no elige una Relación escalar)

Datar terremotos (para modelos time-dependent), cronologías de eventos importante para determinar el elapsed time, comportamiento periódico/aperiódico (valor del COV). Podemos dar más peso o menos a ese valor mediante la desviación.



Medir en la trinchera (short term)

infraestima el slip?

da idea del salto cosómico (es valioso)

Medir en el paisaje (long term)

da una idea más completa (menos fragmentada: un sumatorio)

mas dificiles de datar



Registro mas reciente

tienes menos incertidumbres en los recientes

cuidado, un solo evento puede llegar a tener 5 cuñas coluviales (el escarpe se ha degradado en temporadas diferentes por el clima)

Registro más largo aunque menos fino

para PSHA mejor? (mejor 5 ciclos que no 3 para la estadística)

si no estan bien definidos no te dicen mucho

<https://paleoseismicity.org/preserving-surface-rupture-for-earthquake-science-and-education-lessons-from-hokudan-2020/>



Open discussion OLLIN Annual meeting 2022



Falla aunque tenga una orientación diferente, puede estar acumulando esfuerzos (caso de la Cerdanya)

Los mecanismos focales son coherentes con la dirección de max acortamiento NW-SE que sabemos ya que hay en la zona

Aunque la falla de Cerdanya esté mal orientada con este campo de esfuerzos, no quiere decir que no pueda producir un gran terremoto en algún momento.

Por esto los datos geológicos son fundamentales: investigar qué deformaciones en el Cuaternario tiene esta falla que demuestren que se ha movido en algún momento a pesar de aparentemente estar bloqueada.

Fluid-driven seismicity in a stable tectonic context: The Remiremont fault zone, Vosges, France

Laurence Audin, Jean-Philippe Avouac, Mireille Flouzat, Jean-Louis Plantet

First published: 27 March 2002

<https://doi.org/10.1029/2001GL012988>



Open discussion OLLIN Annual meeting 2022



- <https://www.scec.org/meetings/2022/am>
- <https://www.hsit.it/emergeo.html>
- International Oceanographic Commission. Post tsunamic survey Post response (de Unesco)

Gender	Name	Institution (if any)	Which region are you working on?
1 M	Julián García Mayordomo	IGME-CSIC	Northern Southamerica Plate Boundary (NSAPB)
2 F	Lea POUSSE	IRD	Northern Southamerica Plate Boundary (NSAPB)
3 F	Diana Carolina Saqui Brito	Instituto Geofísico-Escuela Politecnica Nacional	Central and South regions of the Andes
4 F	Mónica Arcila	Servicio Geológico Colombiano	Northern Southamerica Plate Boundary (NSAPB)
5 M	Javier Idárraga García	Universidad del Norte (Colombia)	Northern Southamerica Plate Boundary (NSAPB)
6 M	Pierre Lacan	CGeo UNAM	Mexico
7 M	Marco Pizza	University of Insubria, Italy	Mexico
8 M	Stephane Baize	IRSN	Northern Southamerica Plate Boundary (NSAPB)
9 F	Martha Gabriela Gómez Vasconcelos	Conacyt-Instituto de Investigaciones en Ciencias de l Mexico	
10 M	Octavi Gómez	Università "G. d'Annunzio" Chieti-Pescara	A different one
11 F	Magdalena Velázquez Bucio	Centro de Geociencias, UNAM	Mexico
12 M	Ramón Zúñiga	Centro de Geociencias UNAM	Mexico
13 M	Daniel Martínez	UNAM	Mexico
14 M	Rodrigo Alejandro León Loya	UNAM- Centro de Geociencias	Mexico
15 M	Nicolas Harrichhausen	ISTerre	A different one
16 F	Gloria I. López	Sociedad Colombiana de Geología	Central and South regions of the Andes
17 M	Oswaldo Guzmán	Universidad Regional Amazónica Ikiam	Northern Southamerica Plate Boundary (NSAPB)
18 M	Andres Núñez Meneses	Cgeo- UNAM	Mexico
19 F	Alexandra Alvarado	Instituto Geofísico Escuela Politécnica Nacional	Central and South regions of the Andes
20 F	Ana María Tobón López	ISTerre	Northern Southamerica Plate Boundary (NSAPB)
21 F	Diana Saqui	Instituto Geofísico-EPN	Northern Southamerica Plate Boundary (NSAPB)
22 F	Céline Beauval	ISTerre	Central and South regions of the Andes
23 F	Júlia Molins Vigatà	Universitat de Barcelona	A different one
24 F	Claudia Abril	Uppsala University	Northern Southamerica Plate Boundary (NSAPB)
25 F	Stella Moreiras	CONICET Universidad Nacional de Cuyo	Central and South regions of the Andes
26 M	Adolfo David Robayo Robayo	Servicio Geologico Colombiano	Central and South regions of the Andes
27 F	Corina Campos	Universidad Regional Amazónica Ikiam	Central and South regions of the Andes
28 M	Franck A. Audemard M.	Universidad Central de Venezuela	Northern Southamerica Plate Boundary (NSAPB)
29 F	LAURA PERUCCA	UNSI-CONICET	Central and South regions of the Andes
30 F	Lourdes Luciana Chocobar	Universidad Nacional de Tucumán	Central and South regions of the Andes
31 M	Alejandro Oro	UNSI	A different one
32 F	Maria Romina Onorato	INGEO- UNSI- CONICET	Central and South regions of the Andes
33 F	Olga Patricia Bohorquez Orozco	Servicio Geológico Colombiano	Northern Southamerica Plate Boundary (NSAPB)
34 M	Ivan Ortiz	SGC	Northern Southamerica Plate Boundary (NSAPB)
35 M	Sergio Aguilar	UNAM	A different one
36 M	Luis Martin Rothis	Gabinete de Neotectónica y Geomorfología - INGEO	Central and South regions of the Andes
37 M	Felipe Aron	Pontificia Universidad Católica de Chile - CIGIDEN	Central and South regions of the Andes
38 M	Carlos Costa	Univ. Nac. San Luis	Central and South regions of the Andes
39 M	Hector Mora Paez	Servicio Geológico Colombiano	Northern Southamerica Plate Boundary (NSAPB)
40 F	Eliana Gómez-Hurtado	Servicio Geológico Colombiano	Northern Southamerica Plate Boundary (NSAPB)
41 M	Luis Miguel Aguirre Hoyos		Central and South regions of the Andes
42 M	Anderson Palomino	INGEMMET	Central and South regions of the Andes
43 F	Lorena Rosell	Ingemmet	Central and South regions of the Andes
44 F	Jimena Rosell	UNSAAC	Central and South regions of the Andes
45 F	Juliana Plazas	Servicio geológico colombiano	Central and South regions of the Andes
46 F	Maria Ortuño	Unversidad de barcelona	Mexico
47 F	Laurence Audin	ISTERRE	Central and South regions of the Andes
48 F	Carolina Cornejo	Universidad Regional Amazónica Ikiam	Central and South regions of the Andes
49 F	Belen Benites	Universidad Regional Amazónica Ikiam	Central and South regions of the Andes

OLLIN IGCP 669

SELECTED PUBLICATIONS OF THE NETWORK MEMBERS (2018-2022)

Related to FAULT2SHA MODELS and to INPUT DATA- shorted by regions (geological, geodetical and seismological characterization of seismic sources)

Please check [this link](#) for possible updates

SPECIAL ISSUES

Costa, C., Audin, L. (2021). Editors of the Special issue on hazardous faults in Latin America, *Journal of South American Earth Sciences* 112.

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