

# Newsletter

# S2S-Future

December 2022

Marie Skłodowska-Curie Actions  
The Innovative Training Networks



## **Editorial**

*Welcome to the fourth issue of the S2S-Future Newsletter. The network has achieved several important objectives over the last six months. The expert appointed by the European Commission evaluated very positively the progress of the project based on the technical report submitted by the consortium. According to the expert, the first project's results are strongly advancing beyond the state-of-the-art in the field and provide high scientific potential for the development of new and innovative concepts, tools and numerical models for the prediction of sediments.*

*The network had another important meeting in November 2022, where the members of the Supervisory Board discussed several aspects of the project, most importantly the next Summer Institute "Inside Africa". Besides this major training event, several training events, networking and conferences are awaiting ESRs and other members of the network in the forthcoming 2023. In this issue, you will read about the past network meetings as well as about these upcoming events.*

*On behalf of the coordination team, we wish you a very happy holiday season and a peaceful and prosperous New Year.*

*Milica Pejovic- Project Manager*

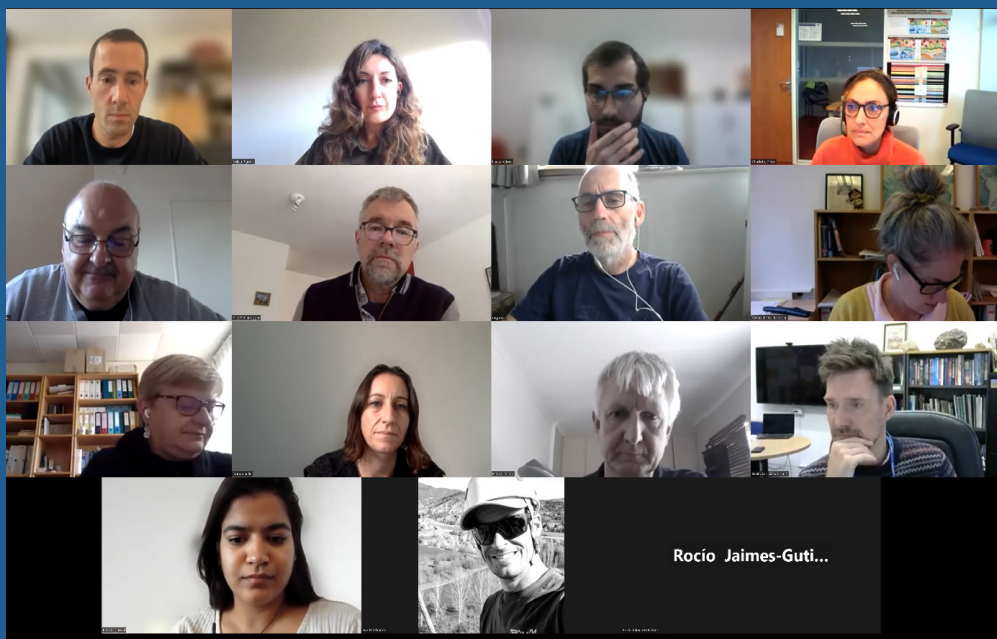


## The Fifth Supervisory Board of ITN S2S-Future

15 November 2022, online

The fifth Supervisory Board Meeting of the ITN S2S-Future network was held online on the 15th of November. The agenda of the meeting consisted of the following topics: the third ITN Summer Institute «Inside Africa», the budget, deliverables, secondments, outreach and vulgarisation of research results, and the presentation of ESR 13 Ekta Aggarwal. The coordination team presented the itinerary and logistics of the forthcoming Summer Institute “Inside Africa”, which will take place in Namibia in May 2023. Furthermore, the common budget, including the current expenditures as well as future projections, were presented by the coordinators. Subsequently, there was a brief recap of the forthcoming scientific deliverables for 2023 and the discussion on the secondment planning. Moreover, an important section of the meeting was dedicated to the outreach and vulgarisation activities, notably popularisation of S2S concepts through publications for non-specialists written/translated into different European languages. Finally, Ekta Aggarwal ESR 13 presented her research and training progress and was complimented on remarkable achievements.

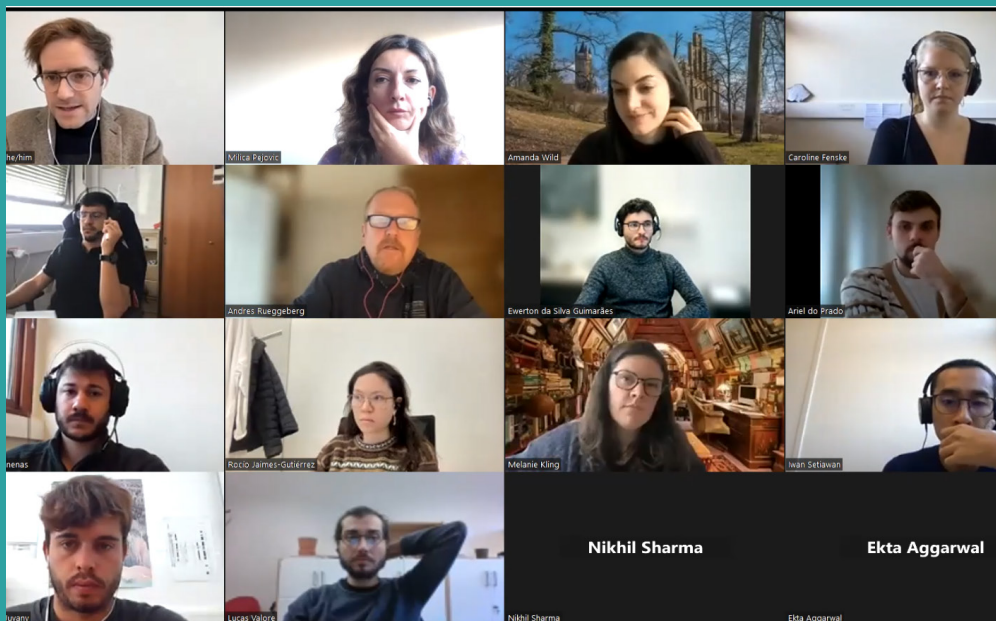
The next Supervisory Board meeting is planned for April 2023, during EGU in Vienna.



## Effective visual communication in the sciences

17 November 2022, online

On the 17th of November, Luca Malatesta, a researcher at GFZ, held a course on the effective visual communication in the sciences. During this short course, the participants covered fundamental rules of graphic design applied to science visuals, paying particular attention to the proper usage of color. The course was split into two parts with a lecture in the morning and an extended “office-hour” in the afternoon. The ESRs learned how to structure the hierarchy of visual cues (axes, data points, grids, text) to match the hierarchy of information (data values, axes marks, labels) and give intuitive meaning to graphics to simplify the reader’s task. They also discussed the use of color to convey quantitative information and identify associated pitfalls and safe approaches. The afternoon “office-hour” was an optional addition for those who want to put into practice some of the concepts covered in the morning. The participants brought their current work that has a visual dimension and discuss design choices with the instructor and the rest of the group.



## Paving the way to a successful career in academia: obtaining funding support for research projects

11 January 2023, online

Sébastien Castelltort and Fritz Schlunegger will conduct an online workshop dedicated to funding applications in academia on the 11th of January 2023. The training will tackle the key elements of project applications, with special reference to the issues of research integrity, data management plans and gender dimensions. Prior to the workshop, ESRs are asked to organize in groups of 3-4 and write a short research project “pitch” containing title, research question(s), objectives, planned tasks, and requested human resources/imaginary budget.

During the morning session, S. Castelltort and F. Schlunegger will discuss with ESRs several important topics: 1) types of grants at the SNSF; 2) evaluation criteria and the evaluation process; 3) key elements of a successful application; 4) diversity and mobility aspects and other items; 5) other funding schemes in European Science Agencies. During the afternoon session, the participants will review group projects in break-out groups and there will be open discussion on the postdoctoral system and the path to academic positions.

## Lunch&Learn Sessions with Halliburton

16 and 23 January 2023, online

Benjamin Gréselle from Halliburton has organised two “lunch and learn sessions” with his colleagues from the company Graeme Nicoll and Thomas Jewell. The two sessions will be held online in January and will cover two highly relevant topics:

1. Communicate: Balancing scientific progress for all Vs protecting your business intellectual property, Selling yourself, your ideas, your achievements and results - Graeme Nicoll, Halliburton

Monday 16 January 12h-13h30 CET

2. Reach out: Identify your target, gain trust, sell (an idea, a product, a vision) - Thomas Jewell, Halliburton

Monday 23 January 12h-13h30 CET

The third session, tackling the topic of advantaged hydrocarbons, is planned as well and it will be scheduled soon.

## Workshop on landscape evolution models and academic writing at GFZ Potsdam

30 January-3 February 2023, Potsdam

January 30th-February 3rd Caroline Fenske, Amanda Wild, and Jean Braun will be inviting all available ESRs to Potsdam for a one-week long course on using landscape evolution models (Fastscape) to address geoscientific research questions from source to sink.

Caroline and Amanda will start the workshop with a review Xarray and Fastscape within python notebooks. They will then present and encourage interaction with their Fastscape additions of duricrust/regolith (Caroline) and grain size (Amanda) modelling with case studies. The final day will involve a writing/reviewing academic papers by Jean and a hands-on discussion between ESRs involving a Fastscape case study (likely to be in the Pyrenees where we all have been during Dragonstone, but details will follow in January). The workshop will dominantly focus within the transfer zone (eg: foreland basin), but will mention available packages/tools for modelling in the source and sink. From Tuesday onwards, each ESR joining the course will be encourage to remind the participants of their research and present a potential question that a landscape evolution model could address within their research to discuss with the group. Further details will follow and we look forward to welcoming all who are able to join to Potsdam and Berlin this 2023!

## 2023 EGU: S2S-Future session

23-28 April 2023, Vienna

On the occasion of 2023 EGU (23-28 April 2023, Vienna), ESRs have organised a dedicated S2S session titled "Source-to-Sink: A Multi-Proxy Approach to Disentangle Forcings throughout the Sedimentary Record". The convener is Rocio Jaimes-Gutierrez, while the co-conveners are Iwan Setiawan, Marine Prieur, Camilo Esteban Gaitan Valencia and Philémon Juvany. This is an extract from their call for abstracts :

*In this session, we invite scientists who study the signal generation and propagation in source to sink systems from a wide range of backgrounds (e.g., sedimentology, geomorphology, geochemistry, remote sensing, and geomodelling), and we encourage studies focusing on provenance, sedimentary budgets, and response timescales. Further, we welcome contributions focusing on environmental changes and disentangling the role between climate and tectonics, including paleoclimatic response, feedback mechanisms, and applied studies, for instance, raw material production and risk analysis associated with sediment generation and transport.*

Submission deadline: 10 January 2023

More info: <https://meetingorganizer.copernicus.org/EGU23/session/47039>

# Inside Africa: Third ITN Summer Institute

**5 May-21 May 2023, Namibia**

The Third ITN Summer Institute “Inside Africa” will be held from 5 May to 21 May 2023 in Namibia. During 17-day trip, the participants will cross the country and address several scientific topics, notably:

## **Days 3-5: Sperrgebiet**

- Anorogenic relief and weathering
- Geomorphological and stratigraphical (seismic) record of uplift
- Diamond S2S system

## **Day 5: Luderitz**

- Paleoceanography
- Benguela current and climate evolution

## **Day 6: Great escarpments**

- Anorogenic relief growth

## **Days 7-8: Namib desert**

- Eolian S2S system (past and present)

## **Day 9: Kuiseb river**

- Modern arid rivers dynamics

## **Day 10: Uranium-rich calcretes (subject to authorization)**

- Uranium S2S system

## **Day 11: Brandberg**

- Etendeka LIP
- Anorogenic relief growth
- Thermochronology

## **Day 12: Huab Basin**

- Etendeka LIP
- Karoo basin subsidence
- Weatherings

## **Day 13: Huab River**

- Etendeka LIP
- Past Eolian preservation
- Modern arid river dynamics

## **Day 14: South Etendeka**

- Etendeka LIP
- Karoo glacial valleys

The logistics of the trip is quite complex due to the fact that the group needs to obtain several authorisations and permits, including the work visa. However, the coordination team is working on the different aspects necessary for the realisation of this trip including the authorisations and the organisation of the trip through a tour operator.

## WRITE DOWN IN YOUR AGENDA!

**Paving the way to a successful career in academia:  
obtaining funding support for research projects**  
11 January 2023, Online

**Lunch & Learn Sessions with Halliburton**  
16 and 23 January 2023, Online

**Workshop on landscape evolution models and aca-  
demic writing**  
30 January-3 February 2023

**Career day with industrial partners (to be scheduled)**  
February/March 2023

**EGU and Supervisory Board**  
23-28 April 2023, Vienna

**Third ITN Summer Institute "Inside Africa"**  
5-21 May 2023, Namibia





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