16:36–16:38|PICO4.9 | EGU23-15968 | Virtual presentation

[**Differentiable modeling to unify machine learning and physical models and advance Geosciences**](https://meetingorganizer.copernicus.org/EGU23/EGU23-15968.html)

**Chaopeng Shen**, Alison Appling, Pierre Gentine, Toshiyuki Bandai, Hoshin Gupta, Alexandre Tartakovsky, Marco Baity-Jesi, Fabrizio Fenicia, Daniel Kifer, Xiaofeng Liu, Li Li, Dapeng Feng, Wei Ren, Yi Zheng, Ciaran Harman, Martyn Clark, Matthew Farthing, and Praveen Kumar

11:00–11:02 **@Jesus:** This is the approach I want to use for LISFLOOD to create spatially distributed calibration parameters based!

|PICO3b.2|EGU23-2650|**ECS**|On-site presentation

[**CAMELS-spat: catchment data for spatially distributed large-sample hydrology**](https://meetingorganizer.copernicus.org/EGU23/EGU23-2650.html)

**Wouter Knoben** and Martyn Clark

09:05–09:15|EGU23-9526|**ECS**|On-site presentation

[**Multi-basin calibration of the ECMWF land-surface model ECLand**](https://meetingorganizer.copernicus.org/EGU23/EGU23-9526.html)

**Stephan Thober**, Robert Schweppe, Matthias Kelbling, Sebastian Müller, Juliane Mai, Christel Prudhomme, Gianpaolo Balsamo, and Luis Samaniego

Virtual presentation

[**A differentiable modeling approach to systematically integrating deep learning and physical models for large-scale hydrologic prediction and knowledge discovery**](https://meetingorganizer.copernicus.org/EGU23/EGU23-16947.html)

**Dapeng Feng** and Chaopeng Shen **@Jesus:** This is the approach I want to use for LISFLOOD to create spatially distributed calibration parameters based!

17:50–18:00|EGU23-16974|On-site presentation

[**From Hindcast to Forecast with Deep Learning Streamflow Models**](https://meetingorganizer.copernicus.org/EGU23/EGU23-16974.html)

**Grey Nearing**, Martin Gauch, Daniel Klotz, Frederik Kratzert, Asher Metzger, Guy Shalev, Shlomo Shenzis, Tadele Tekalign, Dana Weitzner, and Oren Gilon

EGU23-6383 | Orals | [NH9.1](https://meetingorganizer.copernicus.org/EGU23/session/46122)

[**A 30 m resolution global fluvial–pluvial–coastal flood inundation model for any climate scenario**](https://meetingorganizer.copernicus.org/EGU23/EGU23-6383.html)

**Oliver Wing**, Niall Quinn, Pete Uhe, James Savage, Chris Sampson, Nans Addor, Natalie Lord, Tom Collings, Simbi Hatchard, Jannis Hoch, Andy Smith, Anthony Cooper, Joe Bates, Hamish Wilkinson, Sam Himsworth, Izzy Probyn, Ivan Haigh, Jeff Neal, and Paul Bates  
Fri, 28 Apr, 16:50–17:00   Room 1.31/32

EGU23-9120 | Orals | [HS6.3](https://meetingorganizer.copernicus.org/EGU23/session/45348)

[**Bank Height Estimates and Flood Models - Challenges, current practices and recent developments**](https://meetingorganizer.copernicus.org/EGU23/EGU23-9120.html)

**Laurence Hawker**, Jeffrey Neal, and Richard Boothroyd  
Thu, 27 Apr, 09:45–09:55   Room 3.16/17 **@Andrea**: Lawrence is the main author of FABDEM. He will present here some new work in relation to FABDEM that could be interesting for us. If you go to the presentation give Lawrence my regards!

EGU23-11336 | Orals | [NH9.1](https://meetingorganizer.copernicus.org/EGU23/session/46122)

[**A global 30m bifurcating river network**](https://meetingorganizer.copernicus.org/EGU23/EGU23-11336.html)

**Michel Wortmann**, Louise Slater, Laurence Hawker, and Jeffrey Neal  
Fri, 28 Apr, 15:15–15:25   Room 1.31/32 **@Andrea:** This is about having a drainage network based on FABDEM

EGU23-2001 | Orals | [HS2.5.1](https://meetingorganizer.copernicus.org/EGU23/session/45307)

[**Functional relationships reveal differences in the water cycle representation of global water models**](https://meetingorganizer.copernicus.org/EGU23/EGU23-2001.html)

**Sebastian Gnann**, Robert Reinecke, Lina Stein, Yoshihide Wada, Wim Thiery, Hannes Müller Schmid, Yusuke Satoh, Yadu Pokhrel, Sebastian Ostberg, Aristeidis Koutroulis, Naota Hanasaki, Manolis Grillakis, Simon N. Gosling, Peter Burek, Marc F. P. Bierkens, and Thorsten Wagener  
Tue, 25 Apr, 14:15–14:25   Room 2.15