



ESMO

Earth System Modelling
and Observations



WCRP

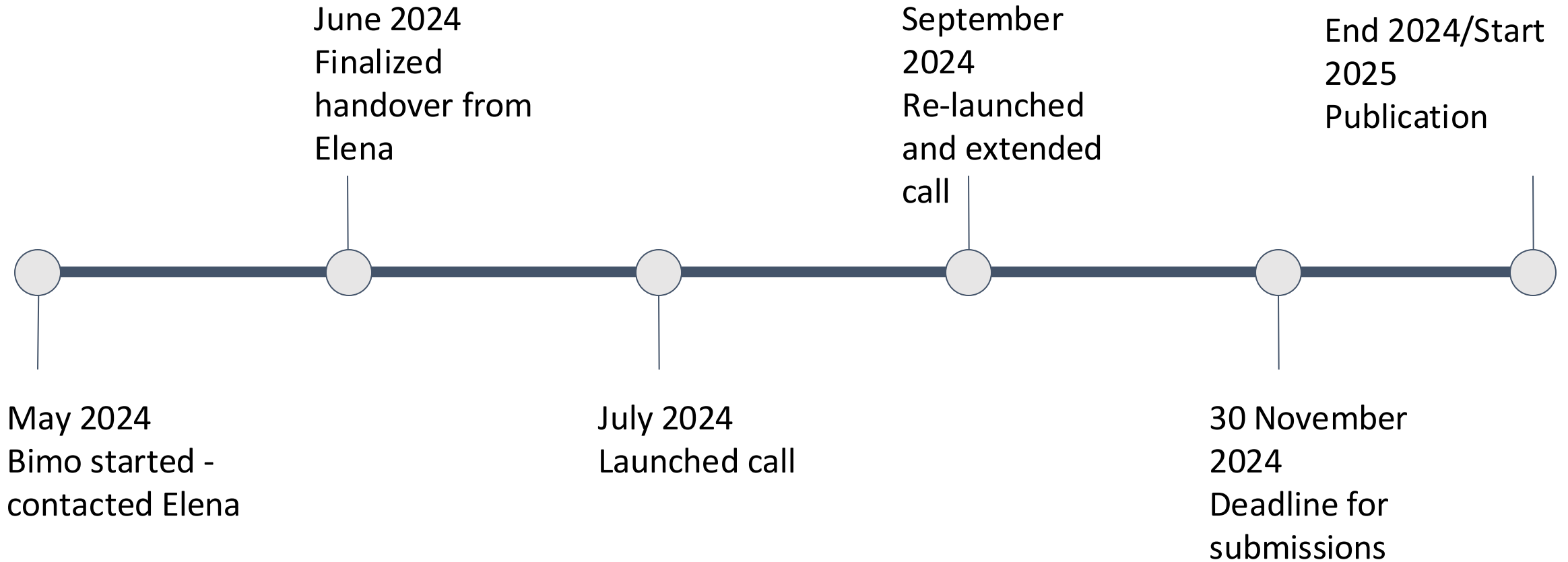
World Climate
Research Programme

WGNE Blue Book and Website

Sara Pasqualetto

07.11.2024

Timeline



Contributions so far

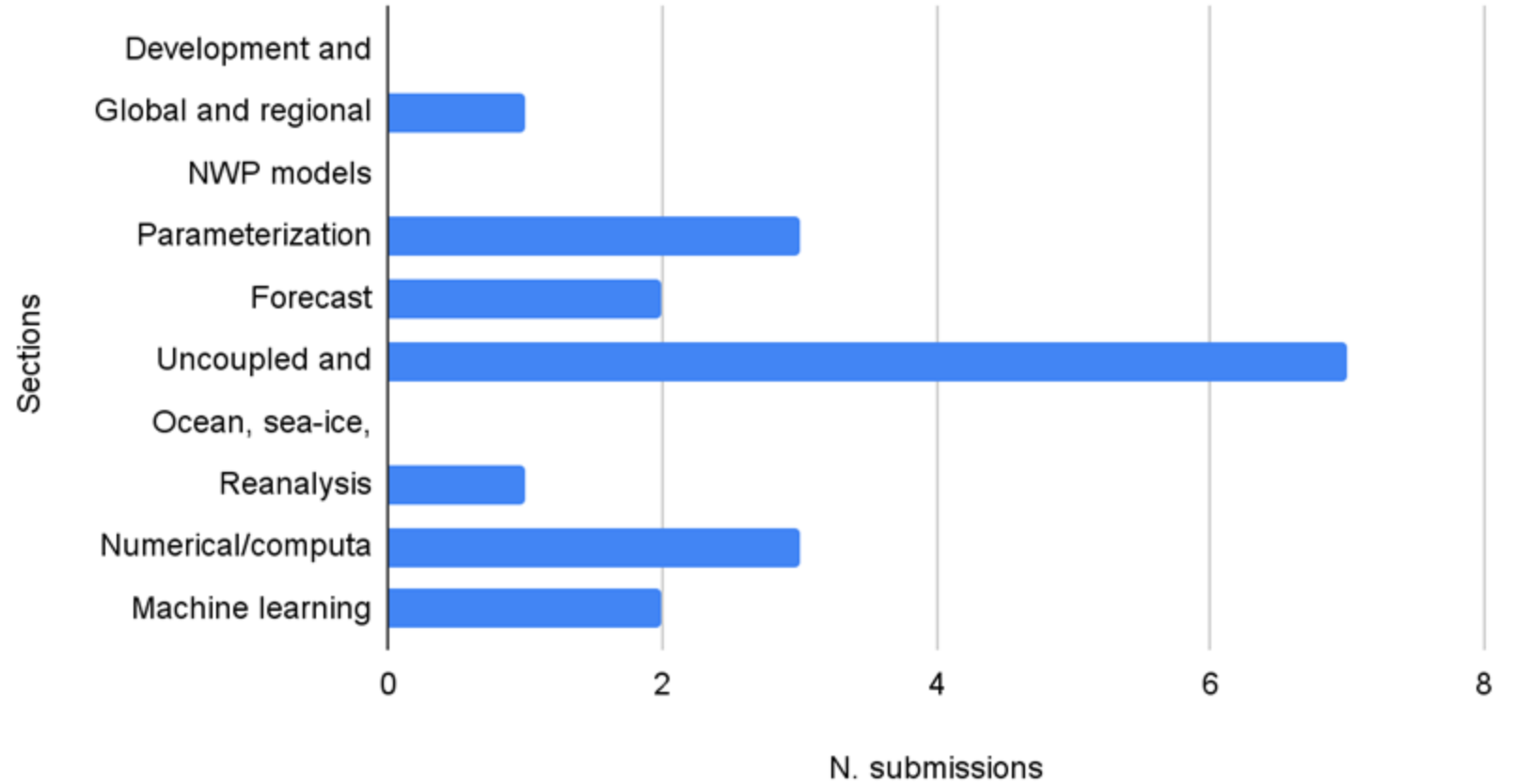
2024 sections:

1. Development and studies of coupled models and Earth System Models
2. Global and regional climate models: response to forcing, impact studies, subseasonal and seasonal forecasting
3. Advances in forecast / NWP models: case studies, predictability, ensembles
4. Parameterization of physical processes in Earth System Models or their components
5. Forecast verification; novel methodologies to diagnose and measure systematic errors
6. Uncoupled and coupled data assimilation for integrated earth system analysis and prediction; methodology and data impact sensitivity studies
7. Developments in ocean, sea-ice, and wave modeling
8. Reanalysis datasets and statistical post-processing
9. Numerical/computational techniques and model resolution, physics-dynamics and physics-physics cross-component coupling
10. Machine learning and AI in weather prediction and climate modeling

Contributions so far

19 submissions
in total

N. submissions vs Sections



Future plans

- Upload and archiving on [Zenodo](#)?
 - [Right now](#)
 - DOIs!
 - Better overview of analytics (views and downloads)
- Will need to adapt submission system to [new web space](#)

Additional outreach opportunities

- Newsletter/mailling list updates
 - Nils: plans for unified channel to improve exchange among groups?
 - Romain: better to uniform and decide if WGNE-only newsletter may be countering Nils' point
- Webinar series
- ??



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Thank you!

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