OCELOTL

SOC-TRACE, SET 2.0 MEETING

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Damien Dosimont, Youenn Corre
Supervisor: Guillaume Huard

OCELOTL NOW

Ocelotl Now
●○○○○○

Performance
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Integration
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Diffusion
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OCELOTL 1.1.0
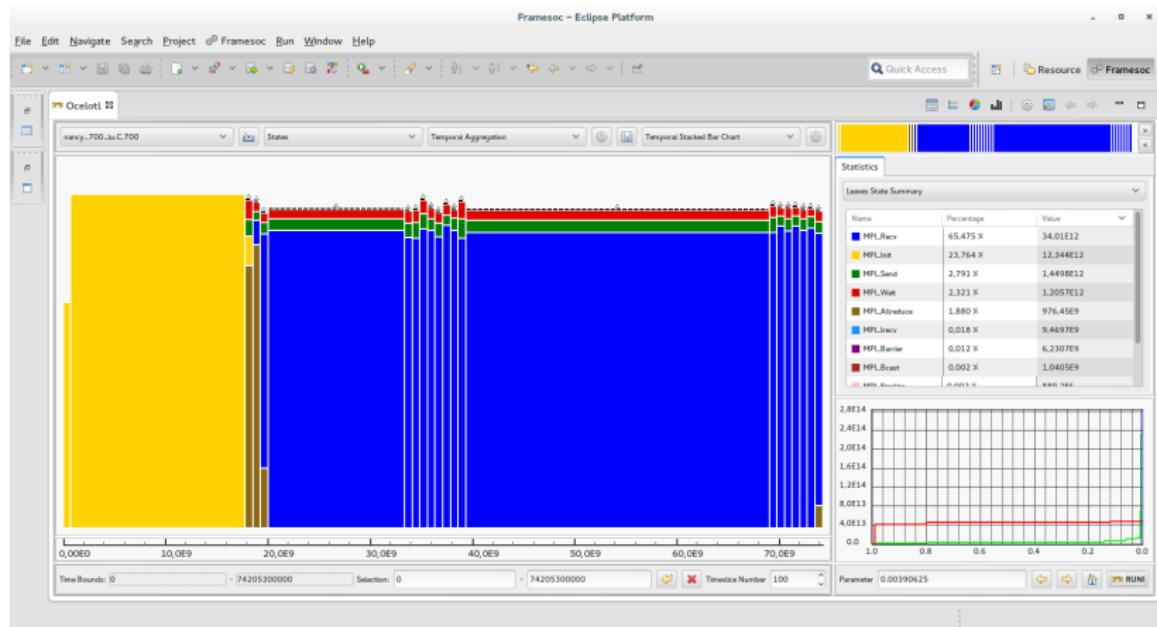
REMINDER: TEMPORAL AGGREGATION
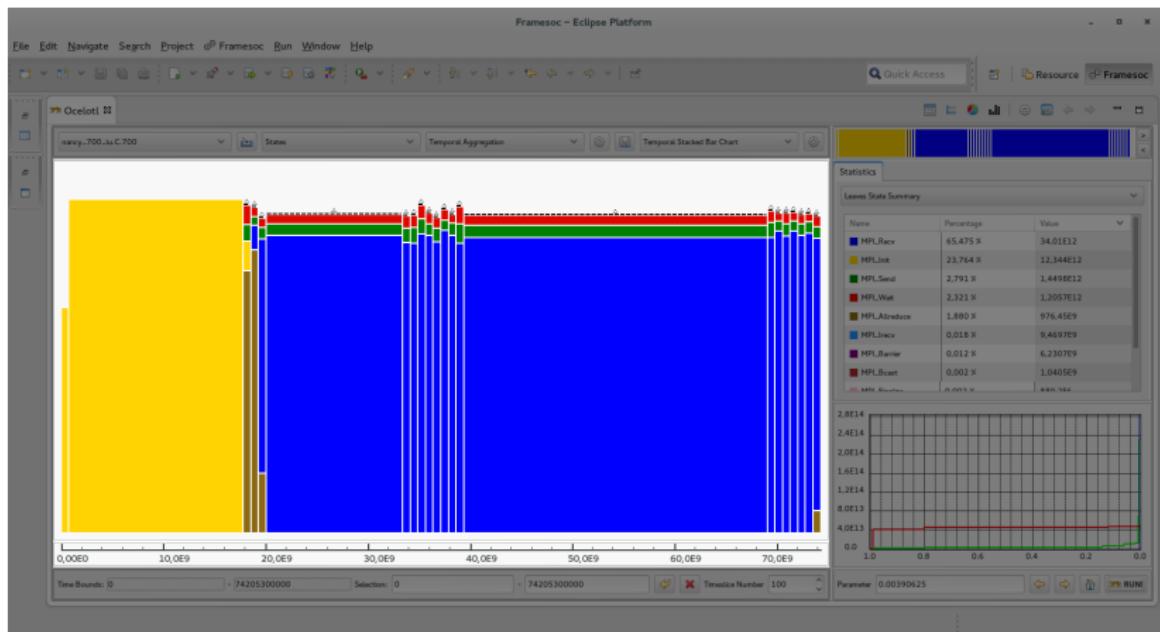
SPATIOTEMPORAL AGGREGATION

Ocelotl Now
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Performance
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Integration
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Diffusion
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OVERVIEW

Ocelotl Now
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Performance
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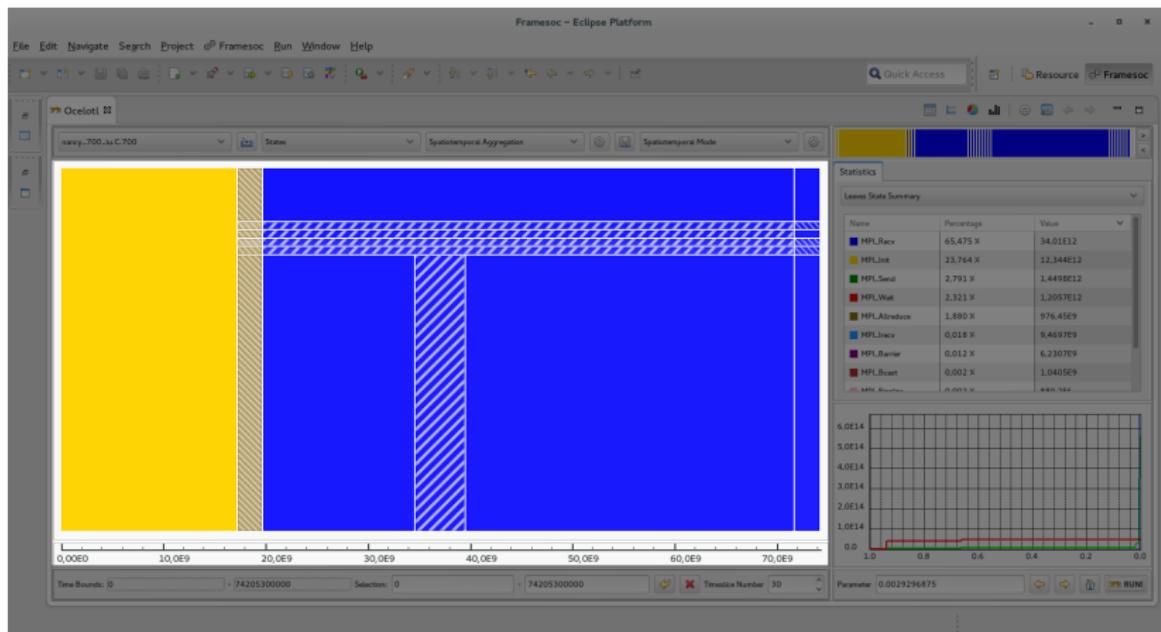
Integration
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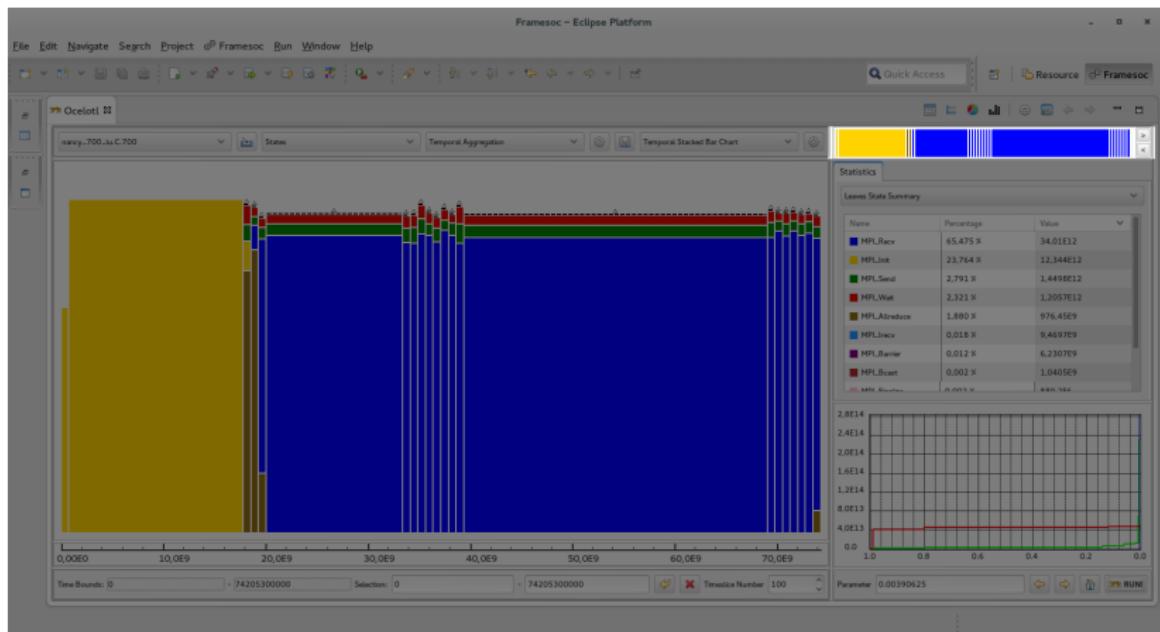
Diffusion
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STATISTICS

Ocelotl Now
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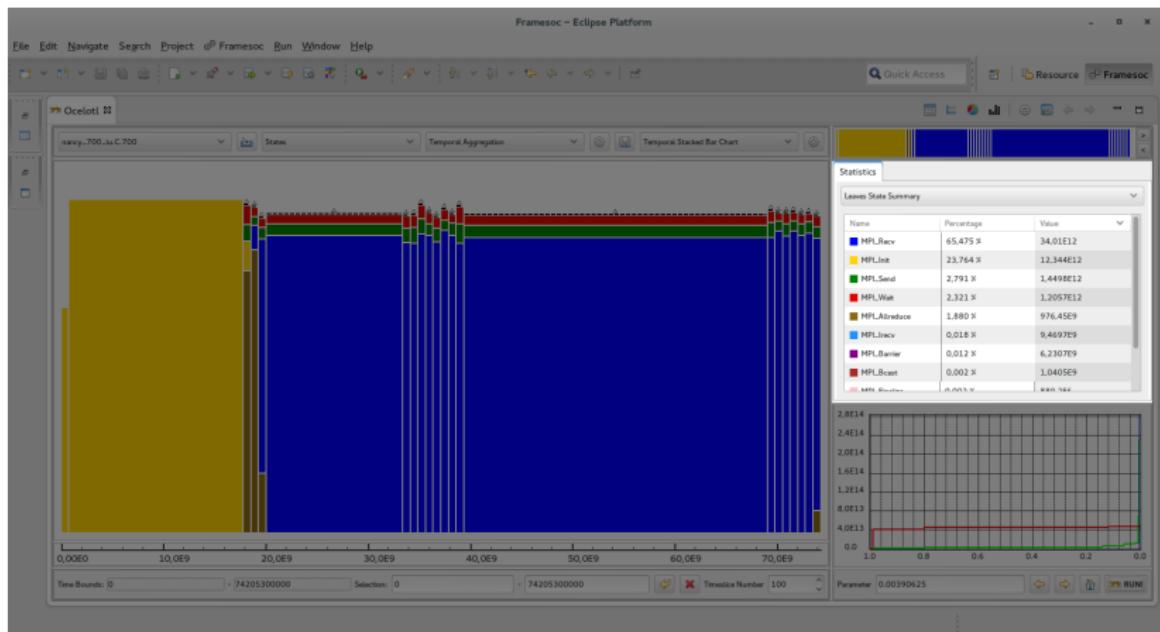
Performance
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Integration
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Diffusion
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ADVANCED INTERACTION

DEMO

PERFORMANCE

Ocelotl Now
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Performance
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Integration
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Diffusion
oooo

NEW DATA MODEL + IMPROVED QUERIES
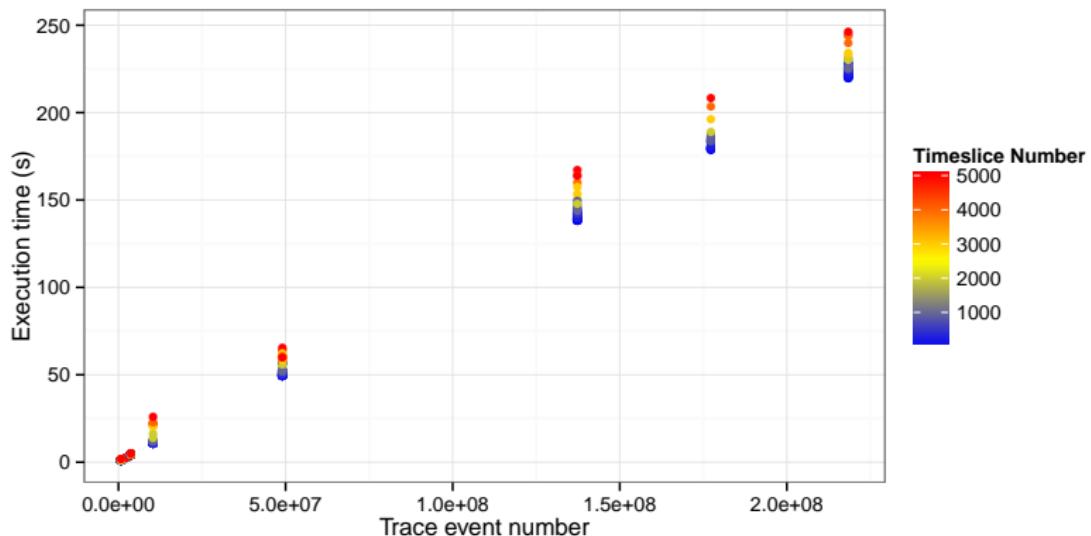
NEW FRAMESOC DATA MODEL + IMPROVED QUERIES

{Trace Reading + Aggreg + Visu}

- ▶ **5 min** for {...}, **218 Mevents**, **15 GB**
- ▶ **20 min** for {...}, **1 Gevents**, **35 GB**
- ▶ Old model: **30 min** for {...}, **30 Mevents**, **8 GB**, Memory!

Ocelotl Now
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Performance
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Integration
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Diffusion
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# EVEN BETTER: DATA CACHE
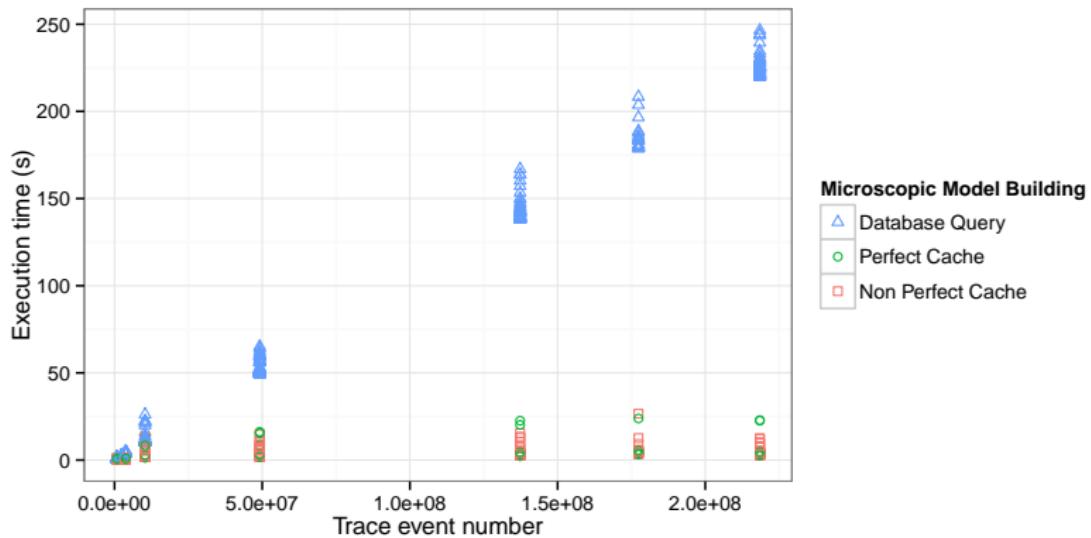
EVEN BETTER: DATA CACHE

- ▶ **30 s** vs 5 min for {...}, **218 Mevents**, **15 GB**
- ▶ Cache reading time **does not depend on trace size** but on micromodel size
- ▶ Micromodel size: $\approx$ 30 MB for 1000 time slices

INTEGRATION

Ocelotl Now
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Performance
oooo

Integration
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Diffusion
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OCELOTL DOESN'T WORK WITH KPTRACE ;-)

Ocelotl Now
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Performance
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Integration
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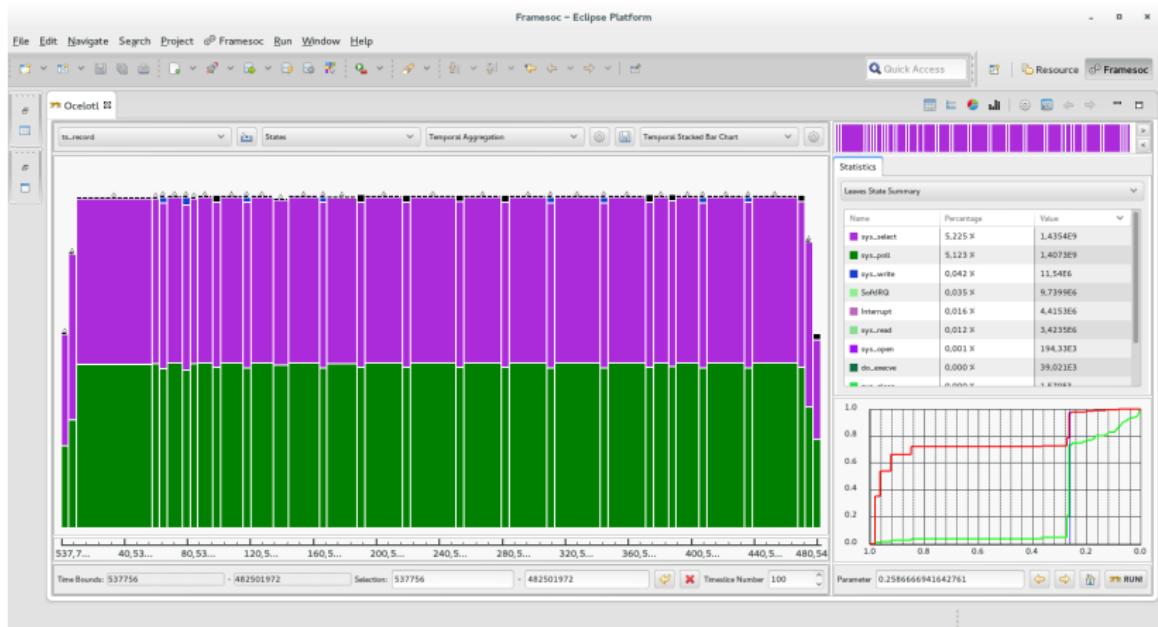
Diffusion
oooo

WITH FRAMESOC
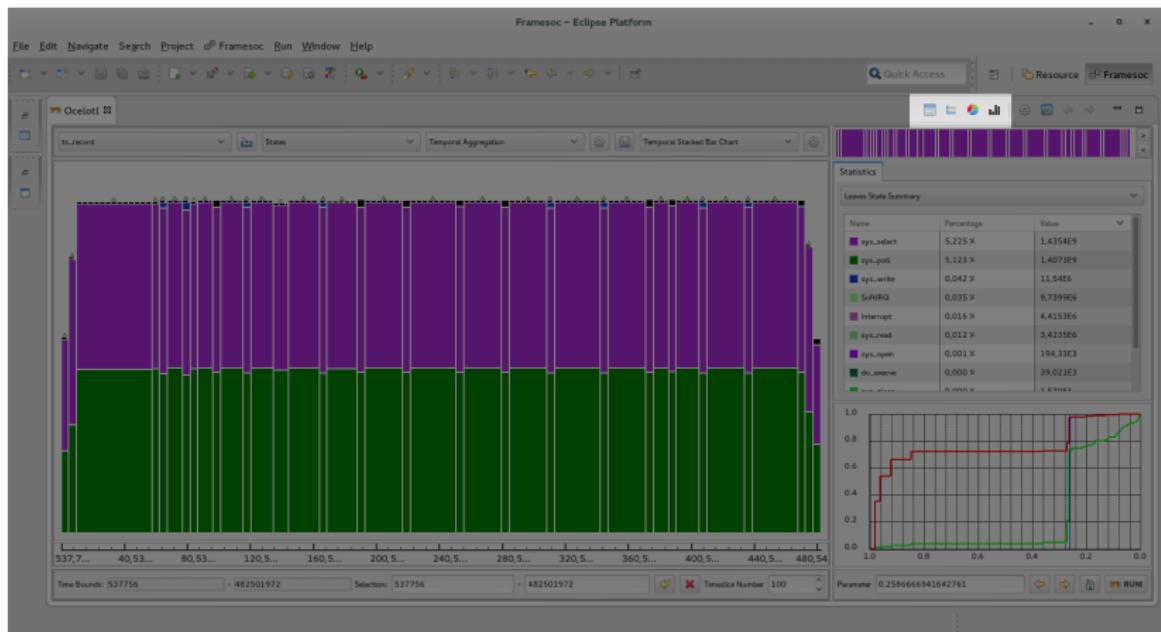
WITH OTHER PARTNERS?

- ▶ **MegaLog**
- ▶ FrameMiner?

DIFFUSION

INTERACT. WITH OTHER PERFORMANCE ANALYSIS TEAMS

- ► **David Beniamine** (MOAIS)
- ► SONGS, SimGrid: **Arnaud Legrand** (MESCAL)
- ► Barcelona: **BSC** (Paraver)
- ► IPTW14 (Stuttgart), SC14 (NOLA):
  Dresden University (Vampir, Score-P)

NEW IMPORTERS

- **CTF** (LTTng)
- **OTF2**
  (Score-P, Vampir, the most popular tool for parallel system analysis)
- **Paraver** (BSC)

OCELOTL ACCESSIBILITY

- ▶ **Github** repositories (**soctrace-inria** organization)
- ▶ **Update site**
- ▶ **Compatibility**: Linux and Windows 32/64 bits
- ▶ Web page
  http://soctrace-inria.github.io/ocelotl/
- ▶ Youtube account
  Soc-Trace Inria

Ocelotl Now
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Performance
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Integration
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Diffusion
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THANK YOU FOR YOUR ATTENTION