

The main title "PEARL 9 Unveiling & Workshop" is displayed in a large, white, bold, sans-serif font, centered horizontally across the upper portion of the image. The background is a vibrant blue sky with scattered white clouds and a dense, futuristic cityscape of skyscrapers.

May 9, 2023

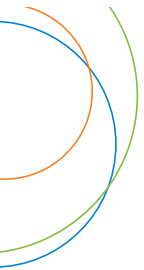
A green rectangular label with the word "Public" written in white, sans-serif font, positioned in the bottom left corner of the slide.



# PEARL 9 Unveiling & Workshop

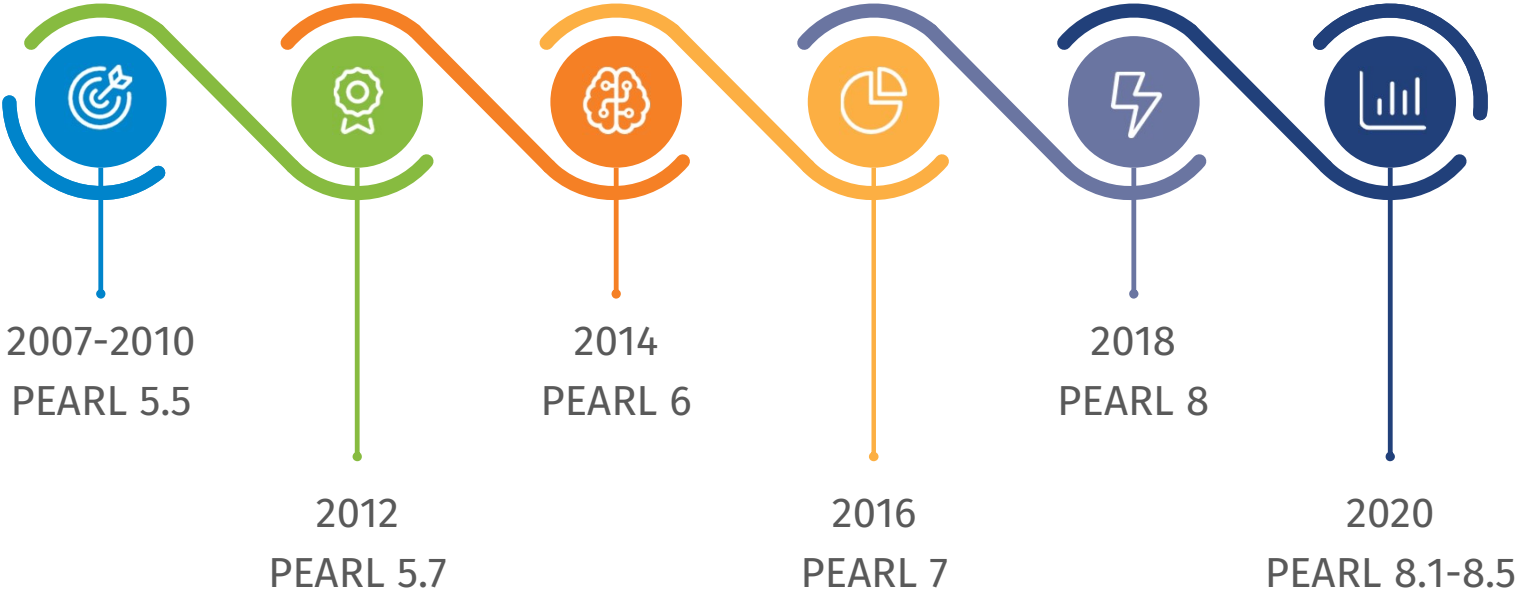
## Agenda

1. Intro & PEARL 9 overview  
(10 minutes)
2. Short PEARL 9 Reporting demo  
(10 minutes)
3. Interactive workshop on PEARL 9 Reporting  
(60 minutes)



# The road to PEARL 9

A little history





# Goals PEARL 9

## Calculation architecture

- Faster attribution calculations
- Reduce server resource usage
- Give users more control over attribution output
- Prepare improvements On-the-fly analysis (ad-hoc calculations)





# Improvements PEARL 9

Calculation architecture

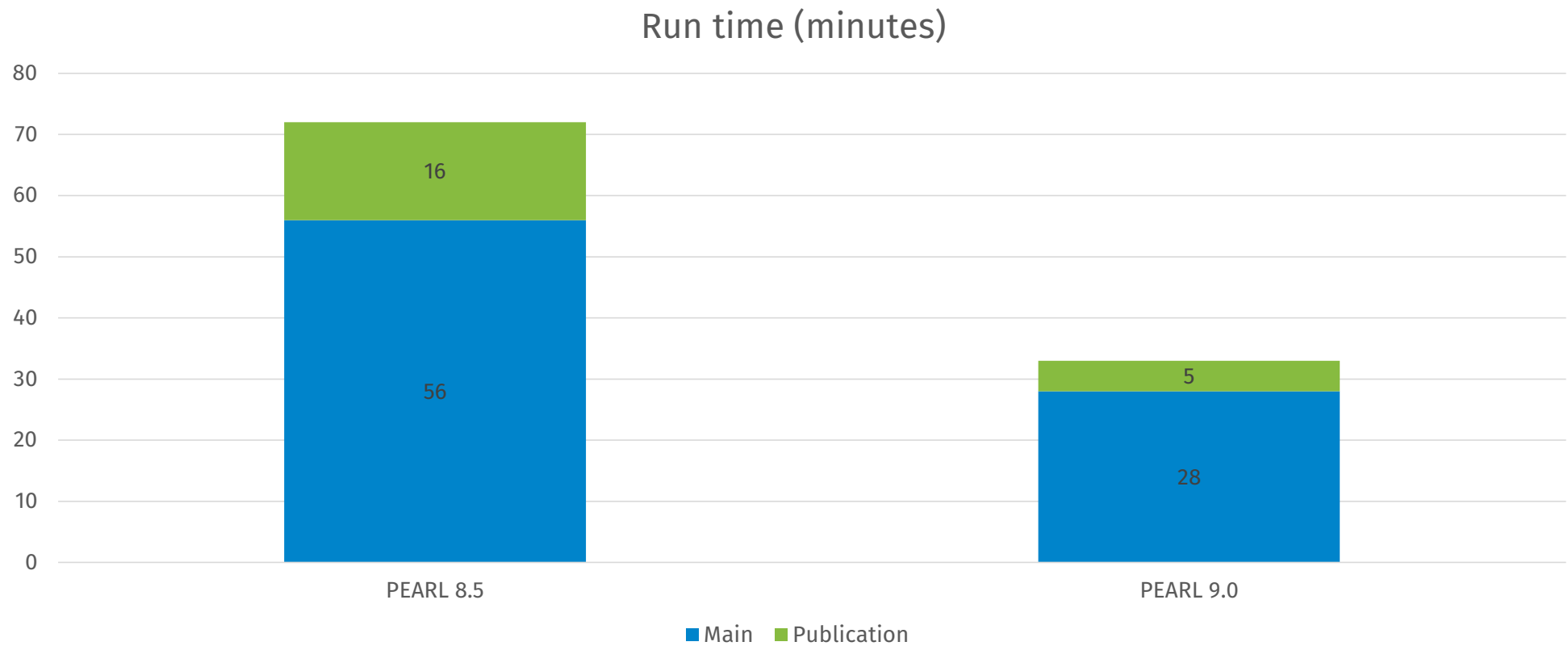


- More efficient calculations
- Store fewer time points
- Store fewer measures
- Faster system and less storage



# Improvements PEARL 9

Improved calculation speed – Performance test with 1 week of new data

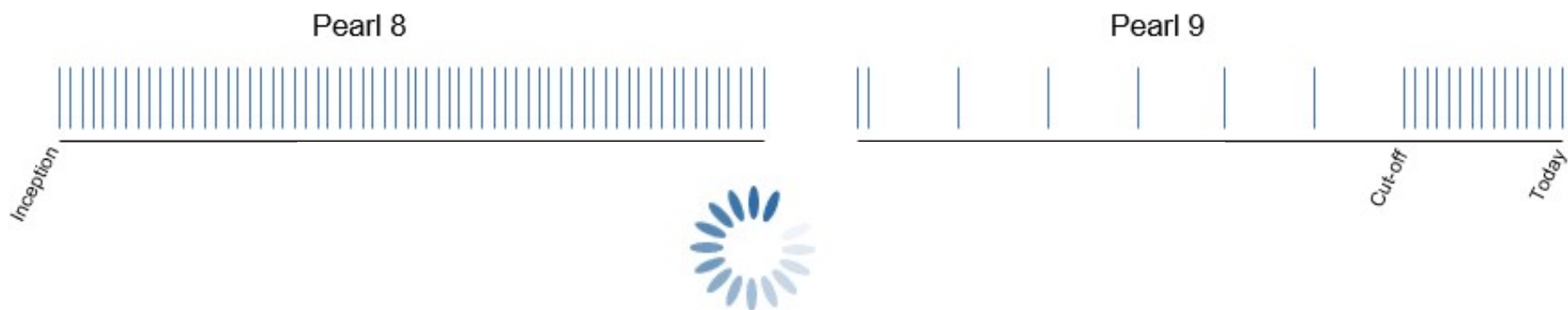




# Improvements PEARL 9

Smart storage: Store less time points

- Save storage and (re)calculation time
- Cut-off point configures this behavior



This report item is not readily available for the requested reporting period.  
A calculation has started, please wait for the calculation to finish.



# Improvements PEARL 9

Smart storage: reduced redundant data storage, improved clean-up

- Amount of internal redundancies reduced
  - Structure of output data tables
  - Structure of security level data
- Pricing and Fixed Income analytics
  - Interface on a property
- New maintenance job





# Improvements PEARL 9

## Smart storage: measure demand

### Edit attribution

- 1 Definition
- 2 Return
- 3 Model
- 4 Hierarchy
- 5 Calculation
- 6 Measures

#### Available measures

Category: All

Subcategory: All

Search:

Select all

- Allocation component information ratio
- Allocation effect
- Allocation information ratio decompos...
- Allocation information ratio weight
- Allocation plus component informatio...
- Allocation plus effect

#### Calculated measures

Search:

**Cashflow**

- PF Cashflow PF\_CF
- PF Prim PF Cashflow - PF\_CF
- PF Ultimo cashflow PF\_ULTIMO\_CF

**Effect**

- Allocation effect ALLOC\_EFFECT
- Interaction effect INTER\_EFFECT
- Selection effect SELEC\_EFFECT

#### Reports

Search:

Select all

- ATTR: Main
- PUB:ATTR: Main
- ATTR: Main - Geometric
- ATTR: Main - PF Contrib
- ATTR: Main - Top 3
- ATTR: Main - Flop 2

Previous

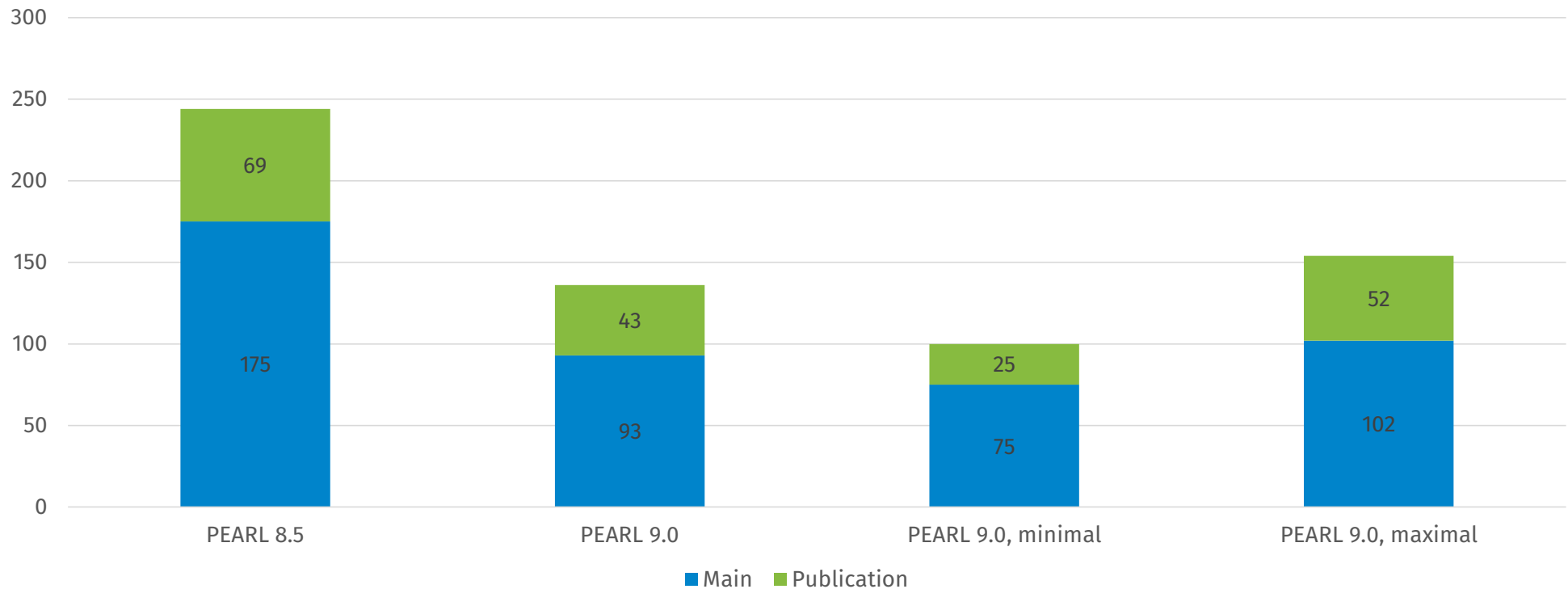
Finish



# Improvements PEARL 9

## Smart storage

Database Sizing (GB, segment sizes)





# Ongoing PEARL 9 upgrades

## Experiences so far

We are currently internally upgrading four client environments from PEARL 8.5 to PEARL 9

- Two of these upgrades will this week be delivered to our internal teams for QA checking
- One successful proof-of-concept new implementation done



# Modernize Reporting

Multi-year journey

1. This was a multi-year journey towards a fully modernized PEARL and Web Portal.
2. In PEARL 9 the Reporting, Designer, Dashboard sections are fully modernized.
3. Our main driver was improving the User Experience (UX).





# PEARL improvements

## Others

Many small improvements – too many to mention all

1. Security properties in attribution reports
2. Publication of reports
3. Fund node authorization
4. Maintenance job
5. Modern APIs
6. Export the underlying API call to clipboard
7. BM vs BM reports improvements
8. ... many more ...



# Forward thinking – Ortec Finance

What is next for Ortec Finance?

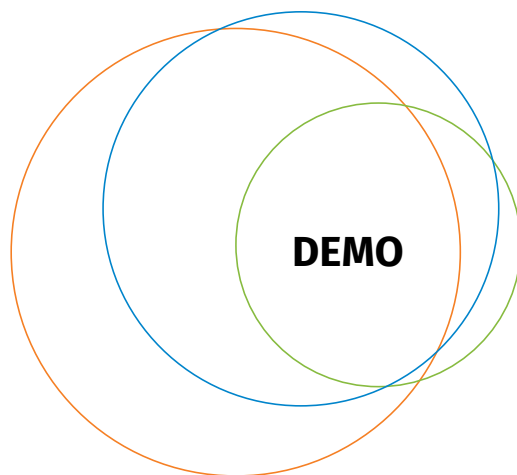
- PEARL 9 release candidate has launched
- PEARL 9 final release available in June 2023
  
- Teaser for possible future developments
  - On-the-fly-attribution (OTFA)
  - Reporting extensions – implement received feedback

**We hope to see you tomorrow at the “Future Developments in PEARL” session at 11:30 !**

**You have a chance of giving input on various topics tomorrow!**

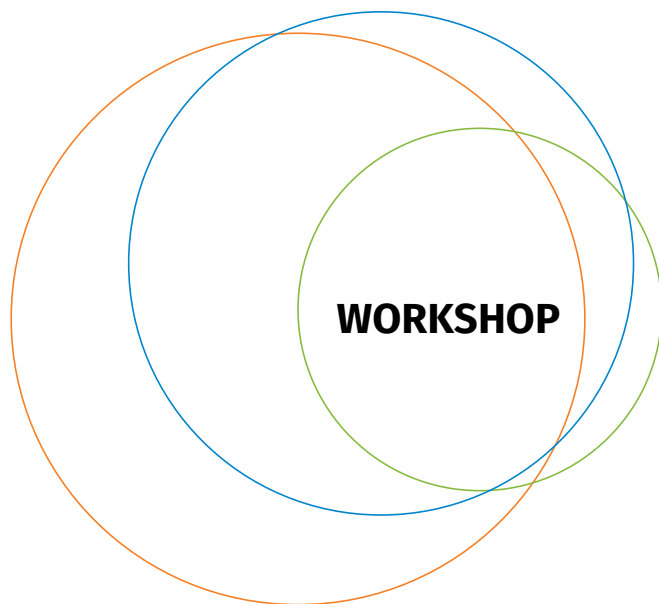


# PEARL 9 Reporting Demo





# PEARL 9 Reporting Workshop







# Thank you for participating!

Please leave your **feedback** on the last page of the workshop handout!

**See you tomorrow at the “Future Developments in PEARL” session at 11:30 !**



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