

Oasis Loss Modelling Framework

Creating an Open Standard for Catastrophe Models Results Output; enabling choice in models and analytical tools

Demo Day Presentation – Open Results Data (#ORD)

13th November, 2019

Recap: Our Cohort 3 goals - (The WHY)

Solving the interoperability problem & creating choice

The Problem

- Results data is currently proprietary / multi-formatted AND mostly requires a license to use the output
- Hard to practically get other models into daily use, limiting choice
- Inefficiency of the process
 - Data re-keyed; process duplicated

Reduces choice, increases complexity and cost

Cohort 3 solutions

- 1) Create a new “open standard” for catastrophe model results data
- 2) Allow catastrophe models to be run once and the results to be shared with an audit trail.
- 3) Create and test process for the use of alternative catastrophe models, giving more choice

Saves time, money; improves speed of analytics and underwriting

Lab Activities: Two Working Groups (The HOW): Supporting Open Standards

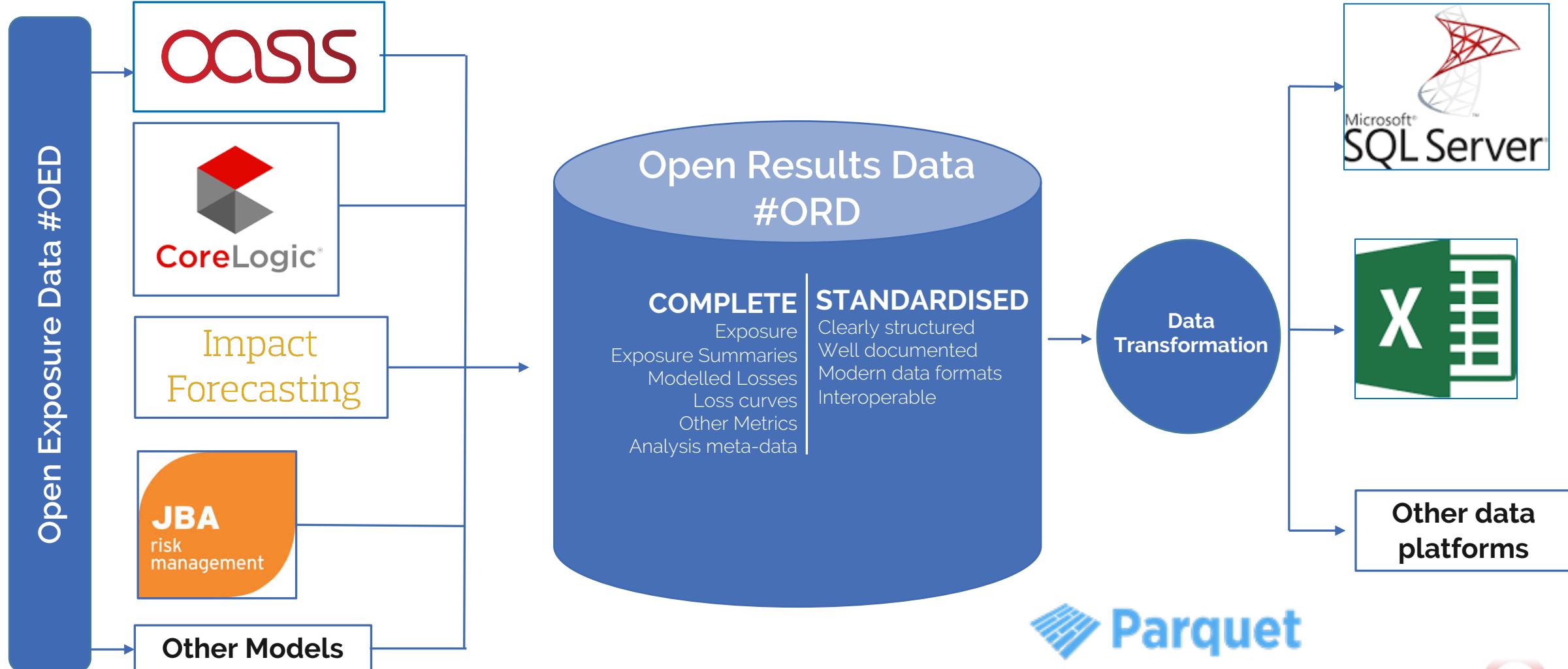
- Broad syndication to define data contents of “results package”
- Prepared sample views of results outputs to better visualise results package
- Reviewed potential technology solutions
- Engaged with stakeholders:



IMPACT FORECASTING
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JBA
risk management

Interoperability & Open Standards will transform the catastrophe modelling process - (The WHAT)



Delivering value for Lloyd's

Value for Lloyd's

- Leading the world in cat model process **cost reduction**
- **Efficiency** around automation and **interoperability**
- Creates **process efficiency and choice** supporting the Future at Lloyd's



Cost, ↓ Choice, ↑ Efficiency ↑

Next steps: this does not end with the Lab!

- Focus now on **process improvements**, implementation and adoption
 - Liaising with market platform providers to make this possible
- **Governance**/curation of Open Standard #ORD agreed
 - Oasis LMF will chair a **Steering Group** comprised of key stakeholders
- Link **#ORD** with PERILS AG for **Market Share analytics**
 - Enables vulnerability testing and deterministic loss analysis

Benefits of #ORD

- Can **run models** and **call results** from an electronic placement platform
 - Aligned with Lloyd's API gateway
- Exposure data and modelling results are available in a **consistent format**
 - Allows for pricing/model validation
 - Supports Lloyd's Blueprint One
- Allows potential to **swap out a peril**/model and test impact of another
- Easier to include [current] **non-modelled regions**/perils
- Harmonisation will bring benefits
 - **Efficiency**/transparency (data cleansed/modelled once with modelled settings known)
 - Time/**cost**; potential for flexible licenses

Where can you help?

- See [extraORDinary] progress on GitHub
 - <https://github.com/OasisLMF/LloydsLab2019>
 - Review user requirements /technology options
 - Keep engaged; spread the wORD
- Demand “Top Down” buy-in from C-Suite / Board
 - We are supporting the Future at Lloyd's
 - ✓ Choice
 - ✓ Cost
 - ✓ Efficiency
- We have declarations of support from users and vendors:
 - Get engaged to reap benefits

<https://oasislmf.org/anti-competitive-trust-policy>

