Table 1. Domain dataflow provenance interactive queries.

Q1	What is the average of the 10 environmental conditions that are leading to the largest fatigue life value?
Q2	What are the water craft's hull conditions that are leading to risers' curvature lower than 800?
Q3	What are the top 5 raw data files that contain original data that are leading to lowest fatigue life value?
Q4	What are the histograms and finite element mesh files related when computed fatigue life based on stress analysis is lower than 60?

Table 2. Provenance and domain data linked to execution data.

Q5	Determine the average of each environmental conditions (output of `Data Gathering` – Activity 1) associated to the tasks that are taking more than the double of the average execution time of `Curvature Critical Case Selection` (Activity 5), grouping the results by the machines (hostnames) where the tasks of Activity 5 were executed.
Q6	Determine the finite element meshes files (output of Preprocessing – Activity 2) associated to the tasks that are finishing with error status.
Q7	List information about the 5 computing nodes with the greatest number of `Preprocessing` activity tasks that are consuming data elements that contain wind speed values greater than 70 Km/h.