Growing Scalable Digital Libraries

Imagine you need to find all your cited publications

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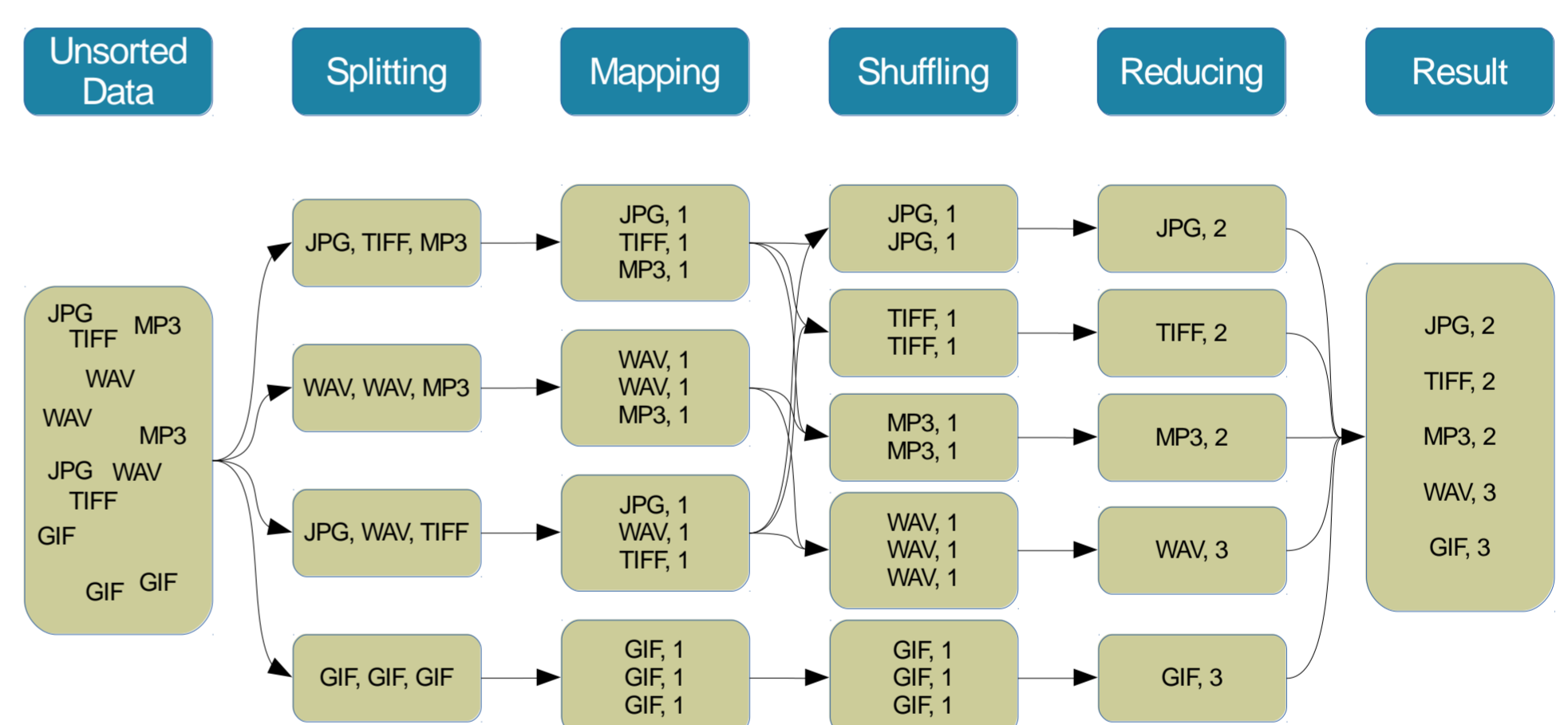
This could take months…

SCAPE addresses scalability in four dimensions:

- Number of objects
- Size of objects
- Complexity of objects
- Heterogeneity of collections.

Avoid the waiting by scaling out and complete the task in just days

Example of scale-out processing.

Using several tracks to parallelise work – dividing workload, sorting work packages, and grouping into file formats.

"Scalability is the ability of a system to accommodate an increasing number of elements or objects, to process growing volumes of work gracefully, and/or to be susceptible to enlargement".

Bondi, André B. (2000). "Characteristics of scalability and their impact on performance". Proceedings of the second international workshop on Software and performance - WOSP '00. p. 195.

Read more
www.scape-project.eu

SCAPE
Scalable Preservation Environments