

Semantically Enriched Linked Open Chemical Data

Sam Adams (sea36@cam.ac.uk), Peter Murray-Rust, Brian Brooks, Jim Downing, Nick Day

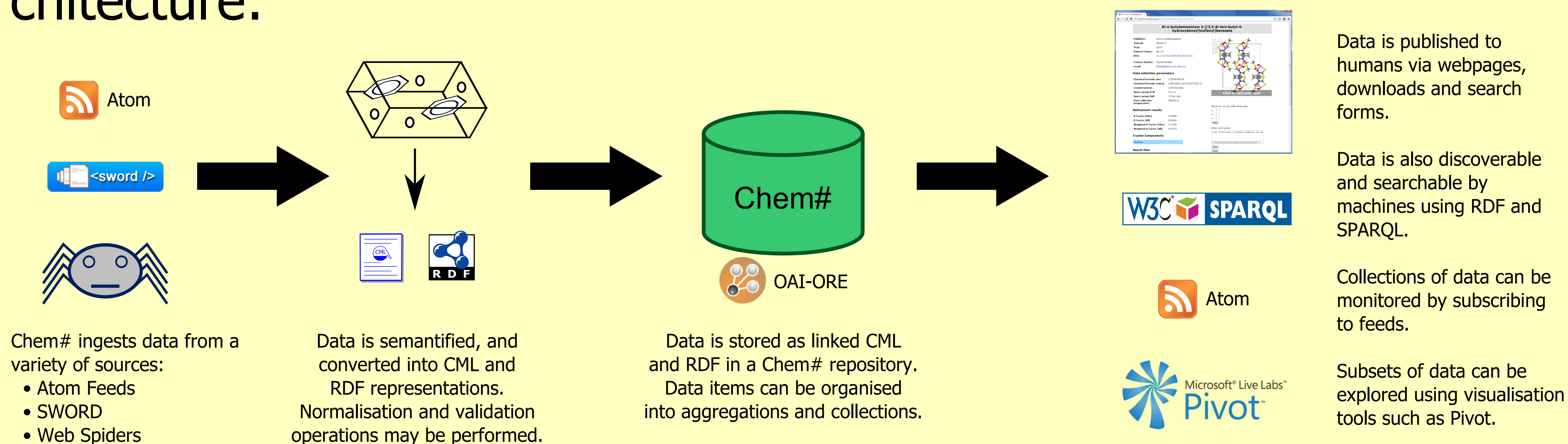
The Problem:

Vast quantities of chemical data (e.g. crystal structures, NMR spectra, experimental reports) are generated every day. The majority of this data is never published, and the data that is published is fragmented, trapped in legacy formats and difficult to discover.

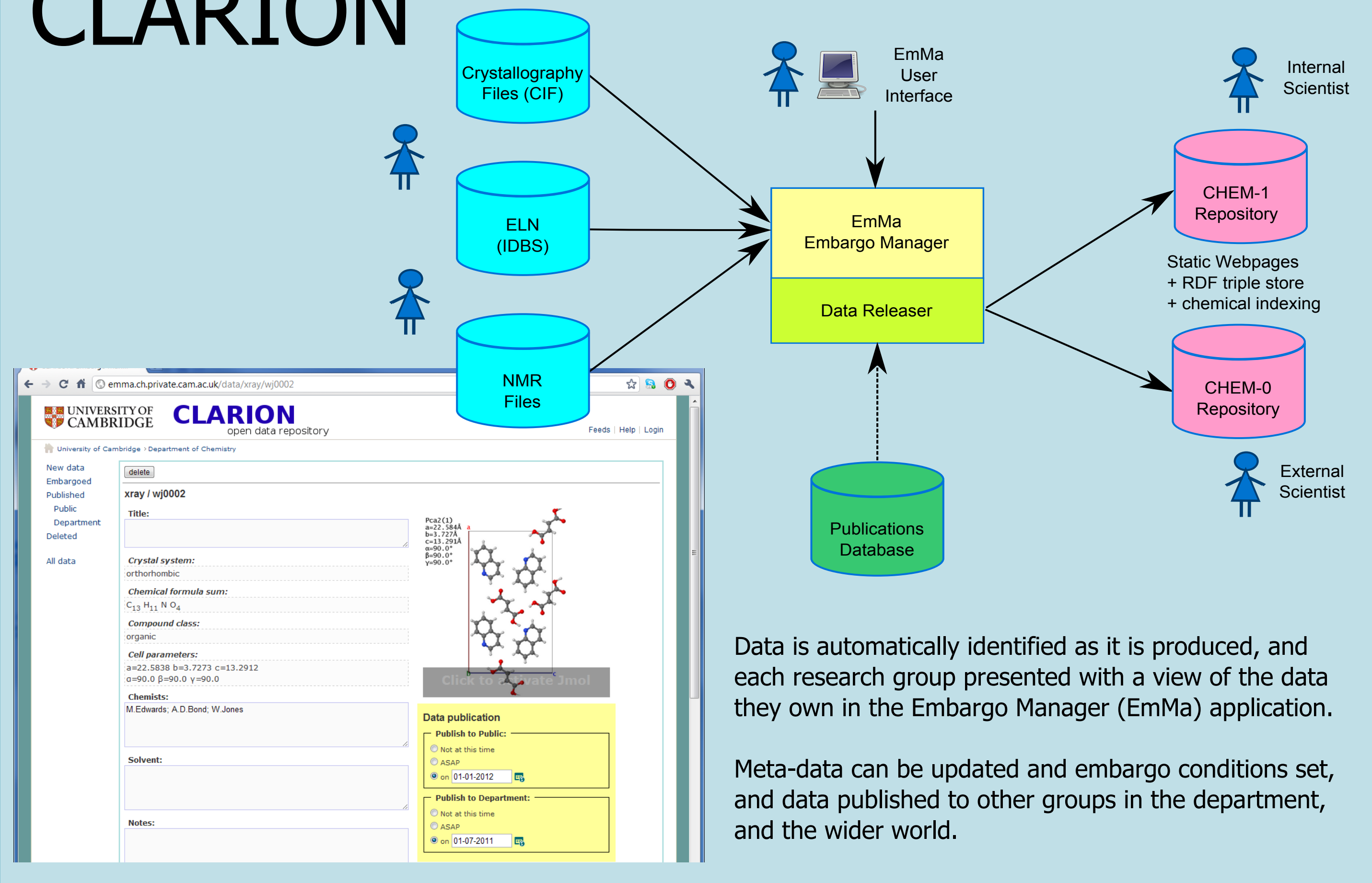
The Solution:

Semantically Enriched Linked Open Chemical Data: browsable, searchable, discoverable and interpretable by humans and machines alike, using standardized extensible data formats (Chemical Markup Language) and technologies (HTTP, RDF).

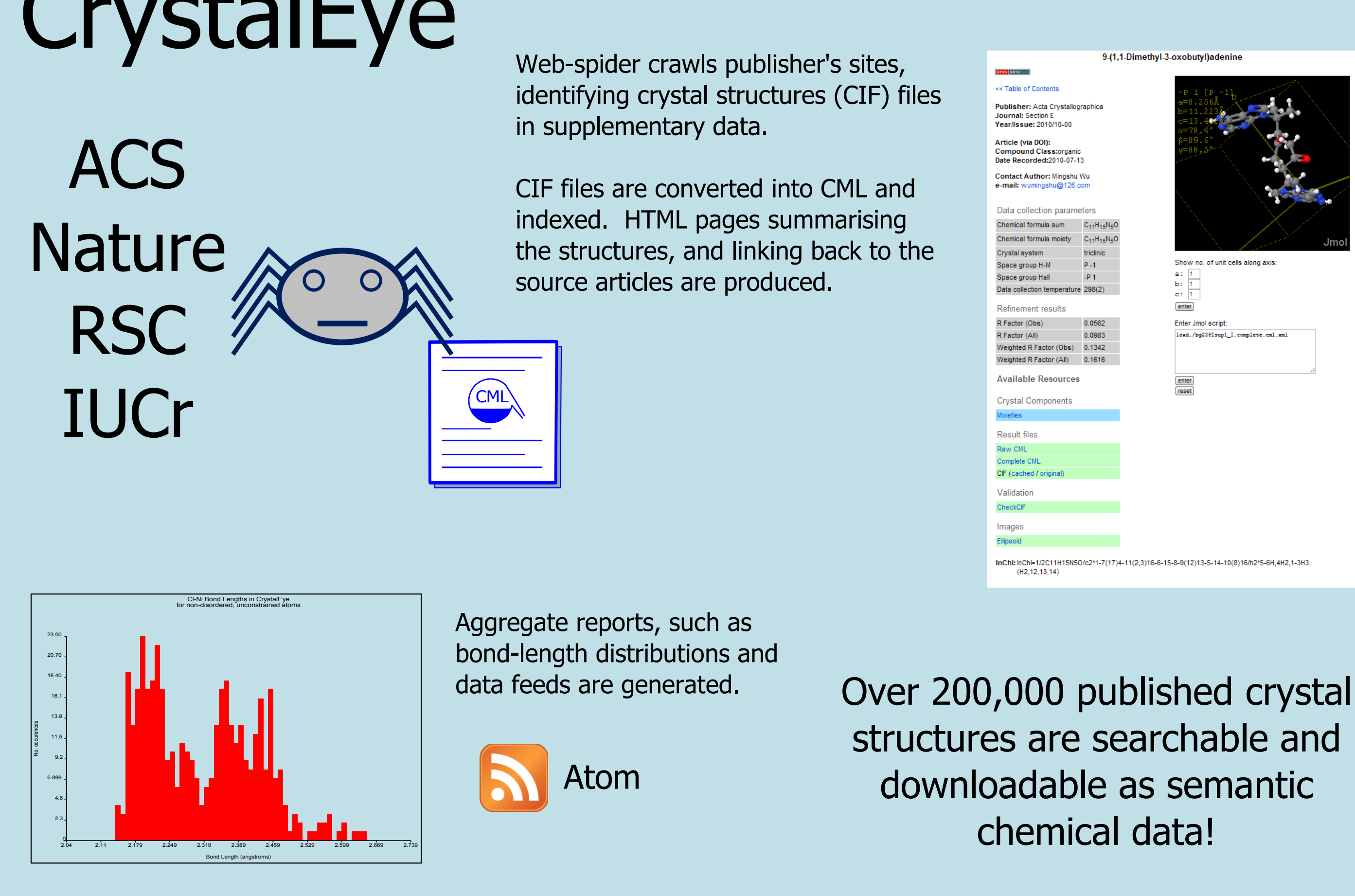
Architecture:



CLARION



CrystalEye



The Vision:

