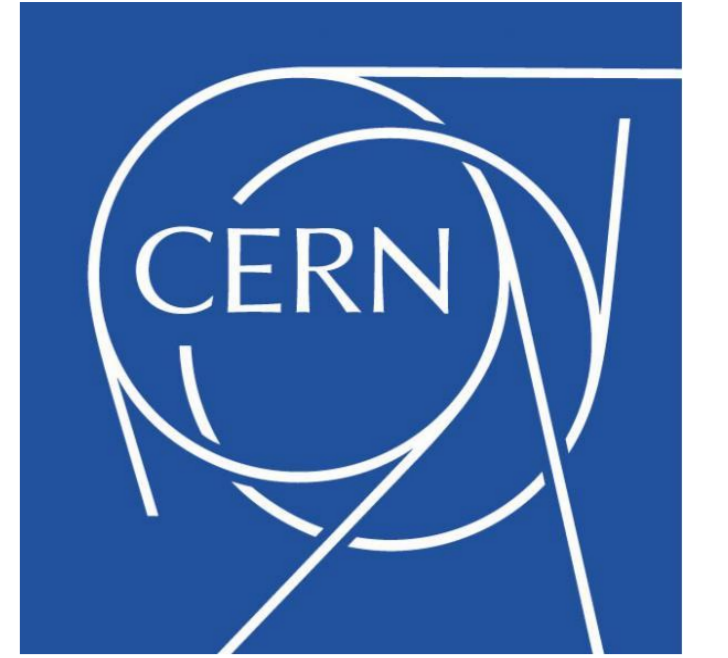




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The Evolution of CERN EDMS

Aleksandra Wardzinska, Stephan Petit, Rachel Bray, Christophe Delamare, Griselda Garcia Arza, Tsvetelin Krastev, Krzysztof Pater, Anna Suwalska, David Widegren
CERN – GS Department – ASE Group



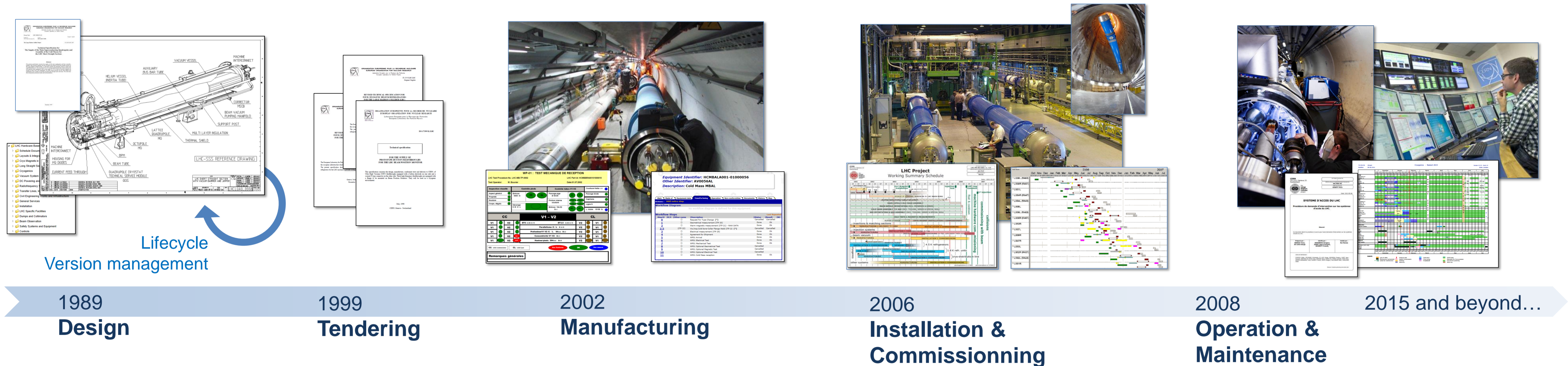
European Laboratory for Particle Physics
Geneva, Switzerland

Large-scale long-term projects such as the LHC require the ability to store, manage, organise and distribute **large amounts of engineering information**, covering a wide spectrum of fields. This information is a living material, evolving in time, following various lifecycles. It has to reach the **next generation of engineers** so they understand how their predecessors designed, crafted, operated and maintained the most complex machines ever built.

This is the role of CERN EDMS. **The Engineering and Equipment Data Management Service** has served the High Energy Physics Community for **over 15 years**. It is **CERN's official PLM** (Product Lifecycle Management), supporting engineering communities in their collaborations inside and outside the laboratory.

What does EDMS bring to Physics ?

Example: the life of a LHC Dipole followed by EDMS from the beginning until now – Collaborative work – Traceability – Quality control – Lifecycle management – Long term

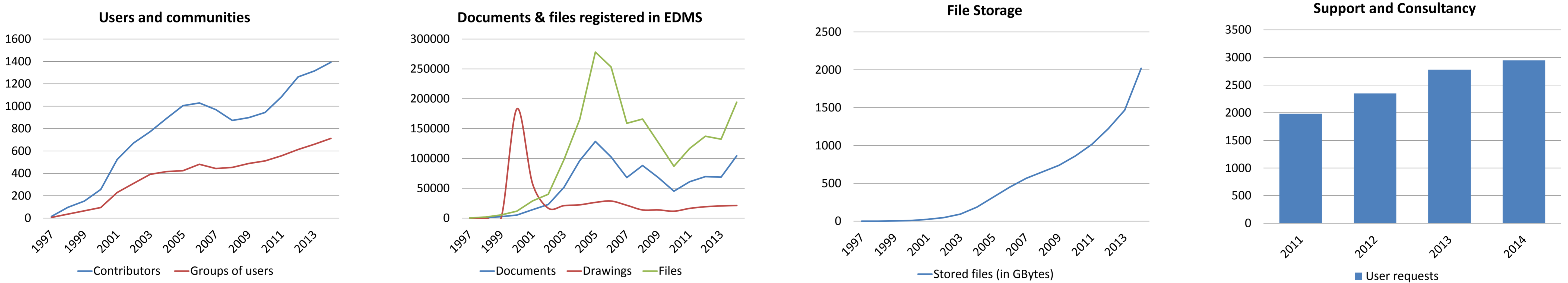


“EDMS has been and will remain a major partner of the LHC for the upcoming decades. I cannot imagine the design and operation of accelerators without a strong Electronic Data Management System”
Frédéric Bordry, CERN's Director for Accelerators and Technology

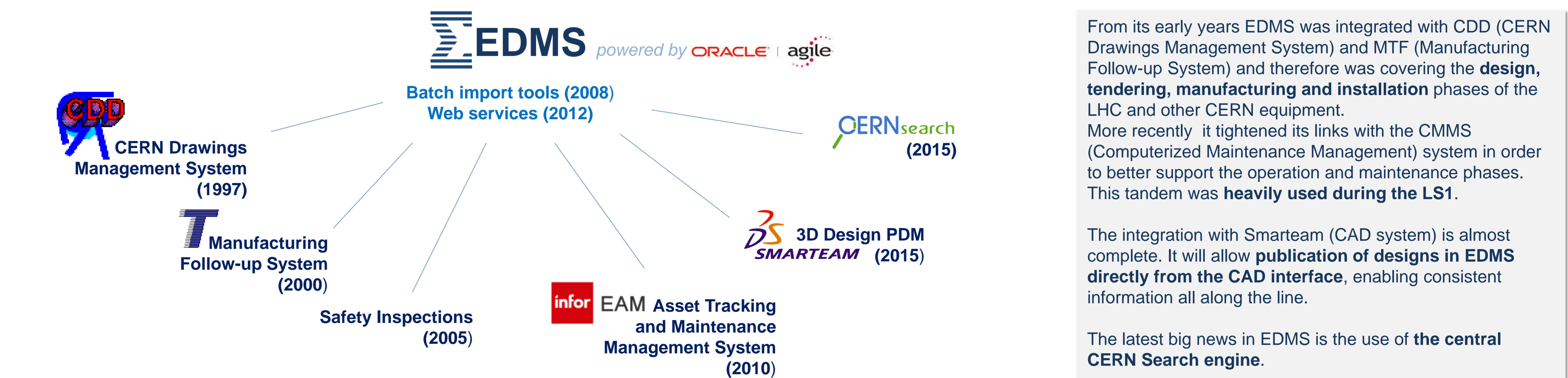
1'000'000 documents
500'000 engineering drawings
1'000'000 assets

350 new documents/day
3'700 file downloads/day
15'000 registered users

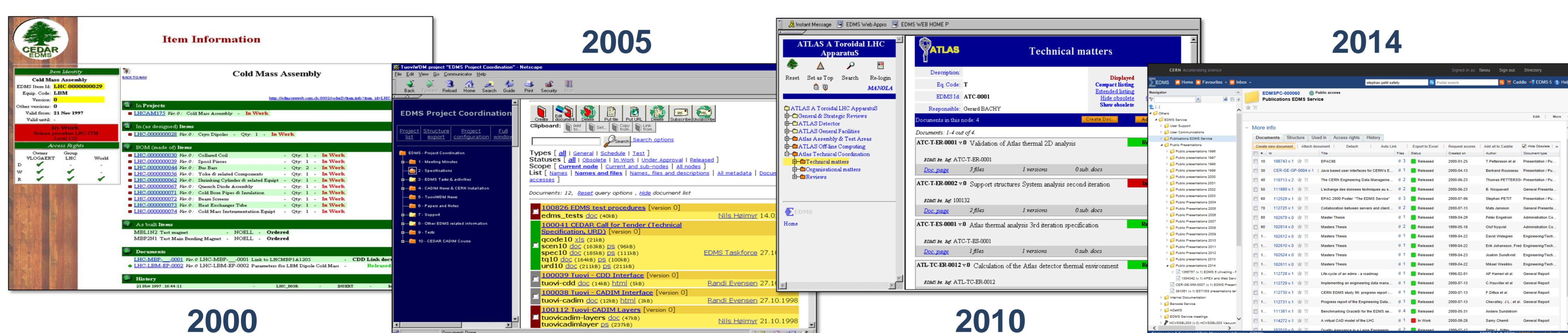
Usage evolution



Integration evolution



User interface evolution



In April 2014 we released a new major version of EDMS, featuring a **complete makeover of the web interface**, improved **responsiveness** and **enhanced functionality**.

Building upon feedback received from **key users** group, we brought what we think is a system that is more attractive and **makes it easy to perform complex tasks**, targeted at engineers who often are not PLM specialists.



<https://edms.cern.ch/> edms.support@cern.ch

