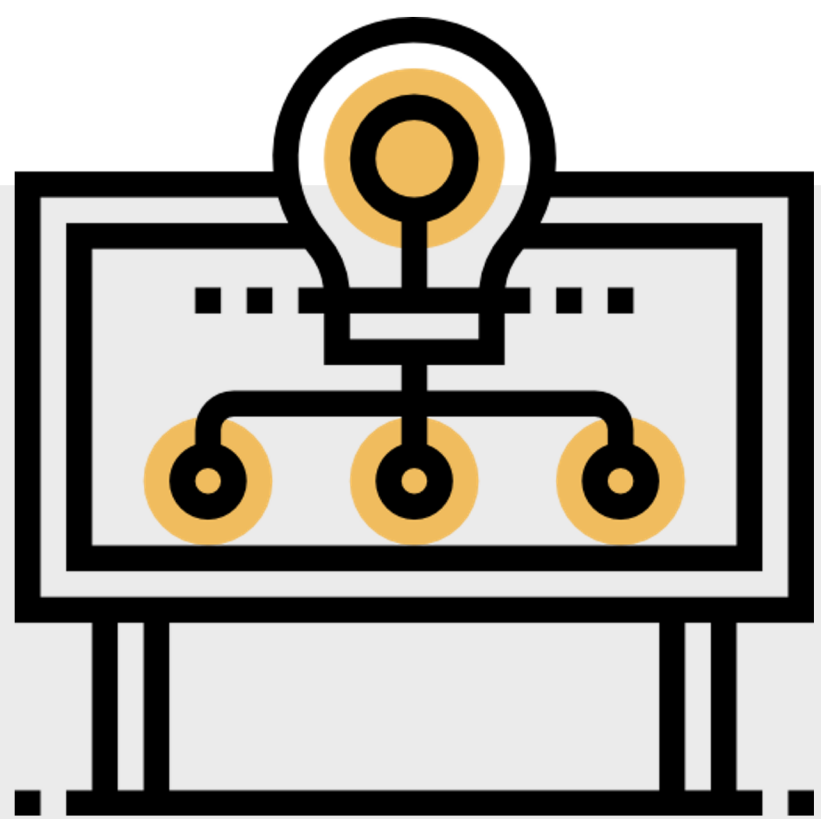




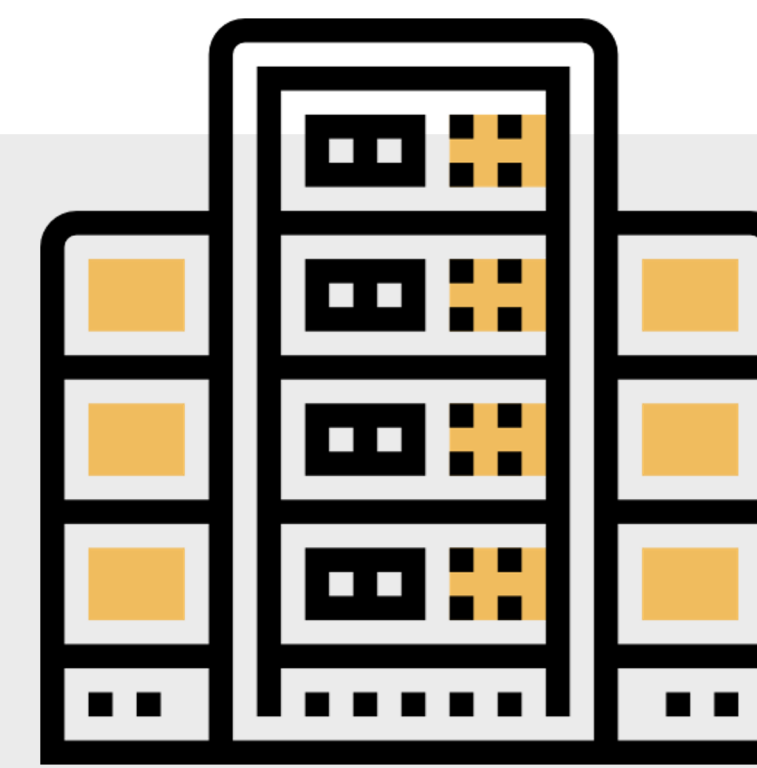
Service Availability Overview

2006: Initial version of SLS (Service Level Status), synchronised with SDB (Service Database)
2011: CERN Service Catalogue, ServiceNow and Service Portal go live
2014: Service Availability Overview page in the CERN Service Portal
2015: Service Availability Overview for Public Screens. Simplification to only 3 levels of availability. Receive data from XSLS aggregator instead of fetching from ServiceNow. Phaseout of SDB



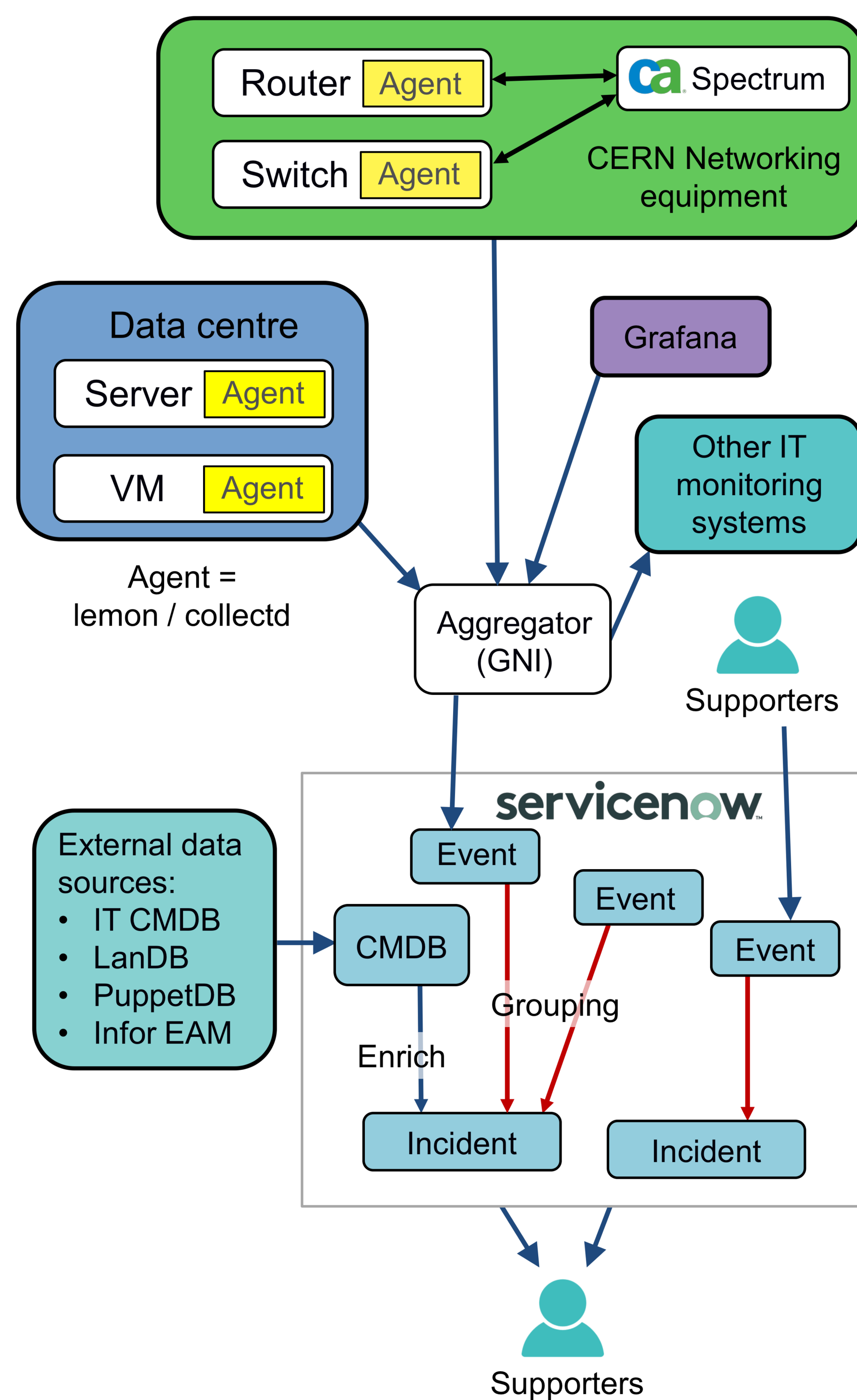
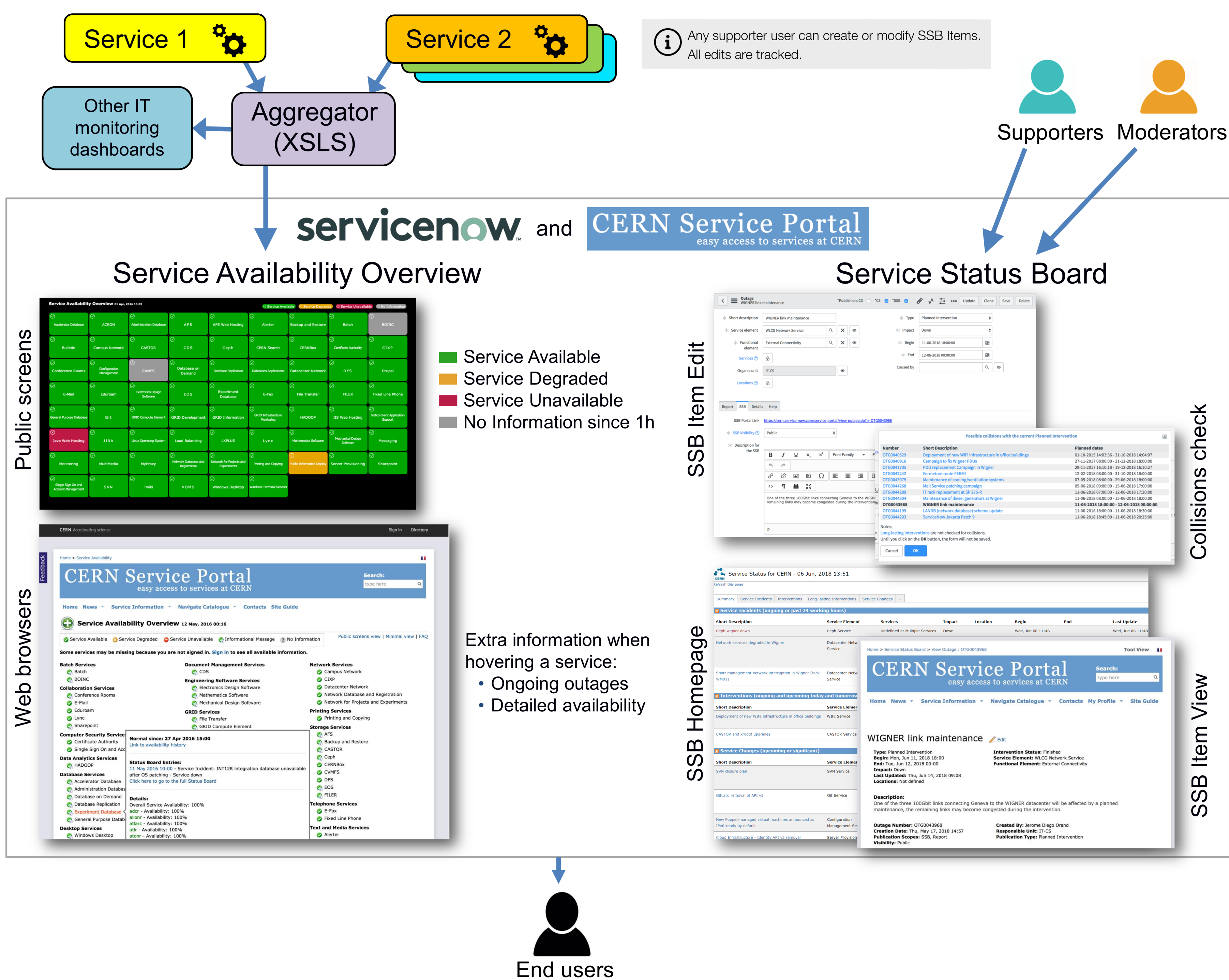
Service Status Board

1980: IBM Mainframe
1995: Static website (Macromedia Dreamweaver)
 Introduced the current name: SSB
2000: Attempt to migrate to Microsoft Frontpage
2011: Migration to Drupal CMS. Allow supporters to publish their own content. SSB for IT and GS (General Services)
October 2013: Migration to ServiceNow and the CERN Service Portal.



Data Centre Monitoring

2006: Remedy ITCM used by IT Computing Facilities group
Early 2013: Migration of ITCM to ServiceNow. Integration with LAS (Lemon Alarm System)
Late 2013: Integration with GNI (General Notification Infrastructure)
2016: Phaseout of LAS. Revamp of alarm grouping rules



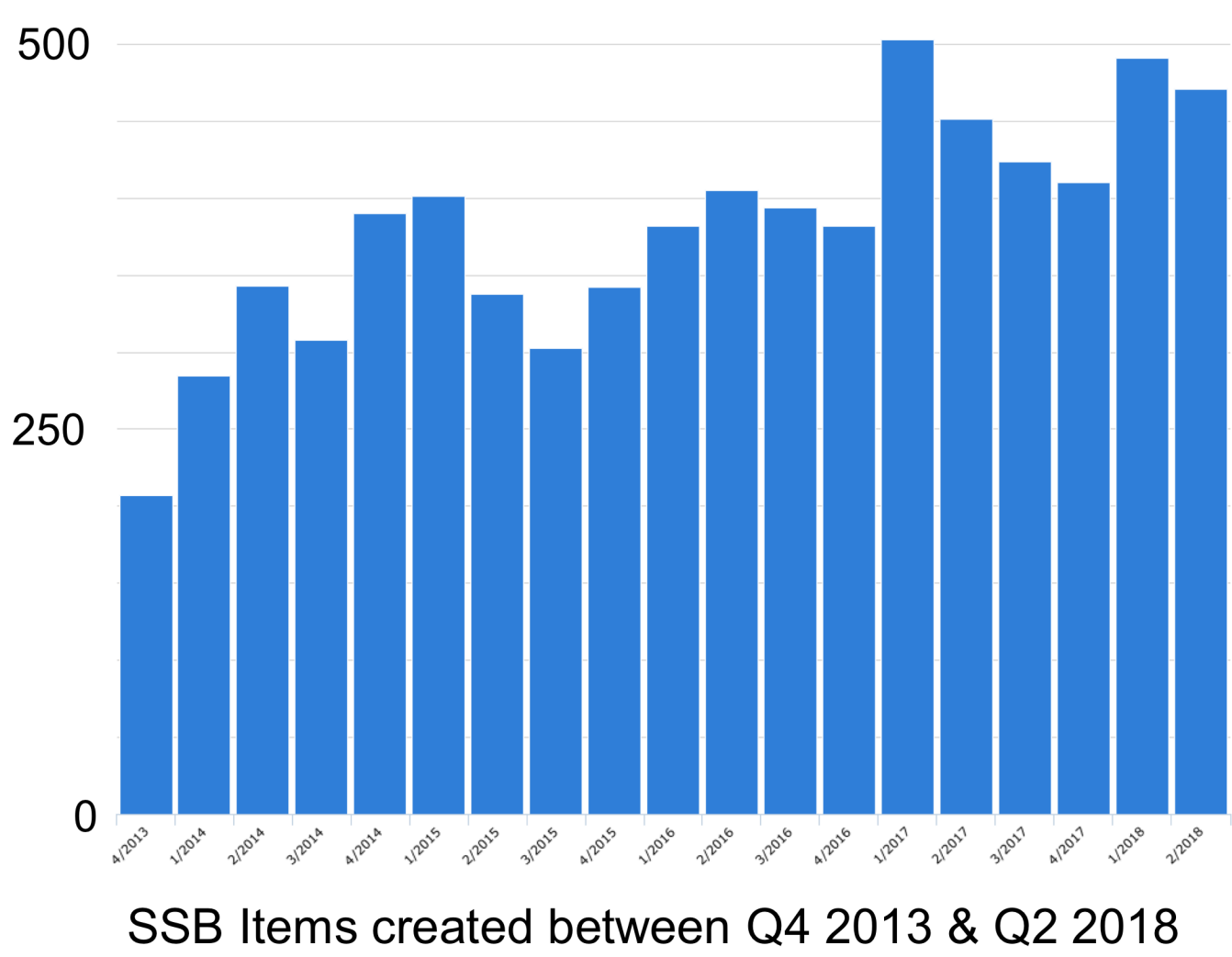
SSB Item visibility

Public: Everything visible for public users
 CERN: Detailed description only visible when logged in

RSS Feeds and Mattermost

All lists of SSB Items are available through SSB Feeds.
 A dedicated channel in the Mattermost chat system also displays them for easy following.

	Service Incident	Planned Intervention	Service Change
Down	Service unavailable. Unplanned.	Service unavailable. Planned and announced.	Service will be completely retired.
Degraded	Degraded performance or partially unavailable. Unplanned.	Degraded performance or partially unavailable. Planned and announced.	Part of the service will be retired.
No Impact	(does not apply)	Transparent intervention. Planned and announced.	New functionalities or offerings



Event type	Grouping	Time limit
Hardware	Host	No limit
Network	Puppet Hostgroup	1 hour
Operating System	Puppet Hostgroup	1 hour
Application	Puppet Hostgroup	1 hour
No Contact	Puppet Hostgroup	1 hour
Grafana	Alarm name only	1 hour

Service Availability Overview: benefits

Provides **transparency** on current technical status of monitored IT services
Alerting supporters when the status of their service drops
 Visible in both the **web** and **public screens** across the CERN site
 Integrated with the **CERN Service Catalogue**
 Links to **monitoring dashboards**

Service Status Board: benefits

Live view of current incidents and issues
 Provides **transparency** on current, past and future service status and changes to end users
 Supports the **planning** of service maintenance and transition
 Integrated with the **CERN Service Catalogue**
 Common display for **IT and non-IT services**
C3 / C5 report: review of past and upcoming incidents, interventions and changes in a weekly meeting.

Data Centre device monitoring integration with ServiceNow: benefits

Reduces cost of support
Direct routing of incidents to suppliers, e.g. repairs
 Helps diagnose **underlying root causes**
 All support cases in the **same platform**
Same process as human-generated tickets
 Easy **reporting** and trending
 Integrated with the **CERN Service Catalogue**

Future tasks and next steps

SSB Structure Review

The **structure** of the SSB pages is currently being **simplified** in order to improve usability

CERN Service Portal v2

The CERN Service Portal is currently being migrated to new website technology on top of the ServiceNow platform.
 This will allow to review and further improve the **user experience** of the Service Status Board and the Service Availability Overview page.

SSB Notifications

Enable users to **subscribe** to:

- SSB Items Updates: a Service Incident is resolved, a Planned Intervention is finished, or other updates.
- Services: SSB Items created or updated for a given service.

Enable users to select how to receive notifications.

Better event grouping

Improve the quality of incidents generated by the monitoring integration, by adding **new grouping rules** that adapt better to different teams' needs.

Less incidents with more events per incident will help to **reduce the cost of support** further.

