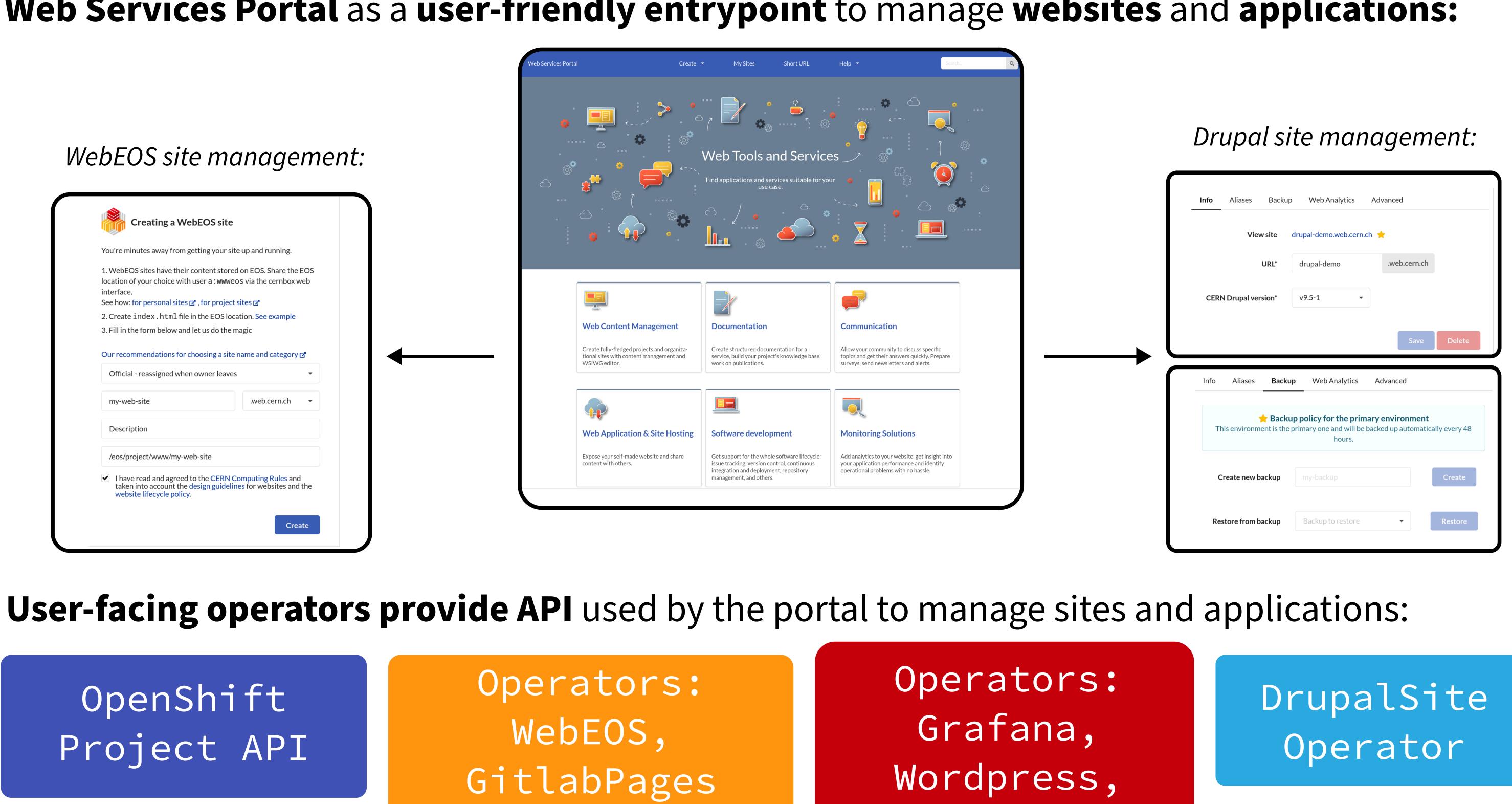
Highly automated, high-density web hosting on multi-tenant Kubernetes

Alexandre Lossent, Ismael Posada Trobo, Jack Henschel (CERN)

Web Services Portal as a user-friendly entrypoint to manage websites and applications:



Hosted on 4 production clusters:

PaaS

generic container hosting for complex & custom web applications

> 1400 projects, 96 nodes, 2.7TiB memory, 1500 cores

WebEOS

static and CGI websites 4100 projects, 20 nodes, 600GiB memory, 270 cores

App-Catalogue

Nexus,

Discourse

pre-configured, self-service application templates

300 projects, 50 nodes, 770GiB memory, 400 cores

Content Management System with high level of automation and preconfigured for CERN environment

> 800 projects, 60 nodes, 1.7TiB memory, 900 cores

OKD4: multi-tenant, secure, highly-available Kubernetes distribution

Shared infrastructure components (custom / open-source projects):

