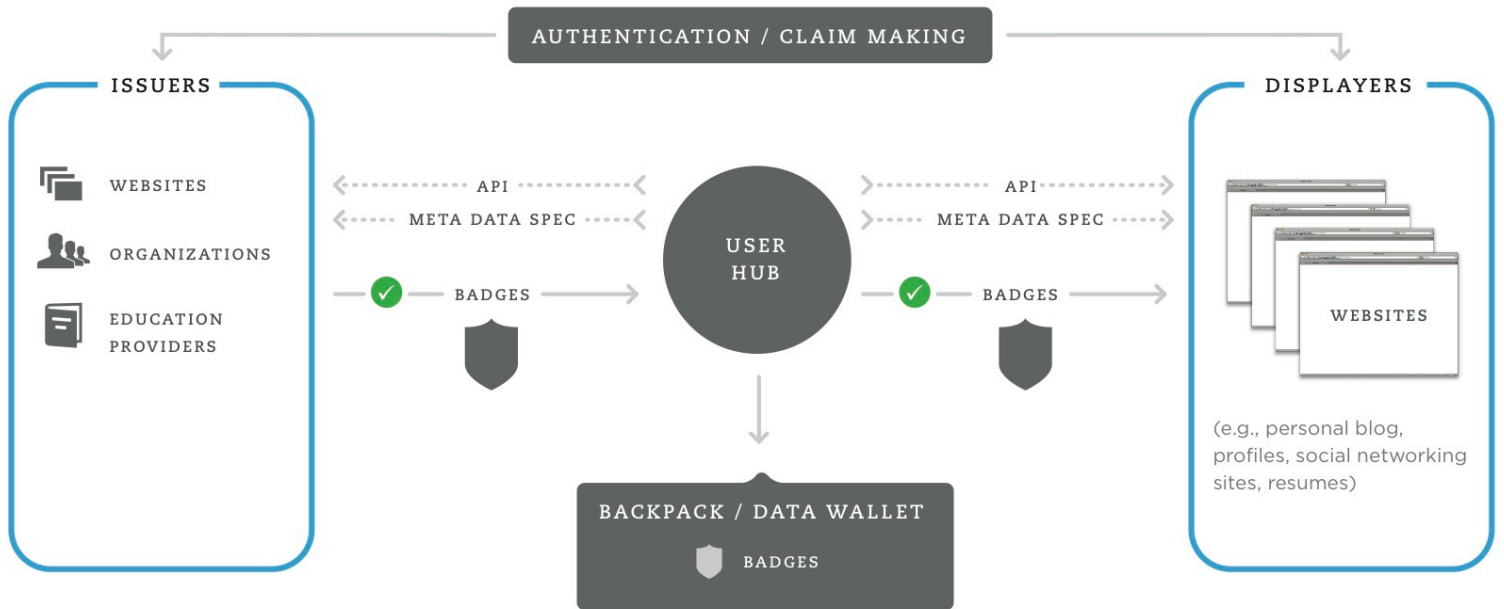# Open**Badges**

Technology Overview

OPEN BADGE SYSTEM INFRASTRUCTURE

☐ Independent and agnostic. Outside of Mozilla infrastructure.

✅ User consents to accept badges into hub, as well as to send to site for display.

What does the Open Badge infrastructure consist of?

The Open Badge infrastructure involves four basic elements:

1) A **metadata specification** detailing the information that makes up a badge. This includes the badge issuer, issue date, description, image file, authentication link, link to learner's work/evidence, expiration information, etc.

2) A **central hub** used to store information about badges collected.

3) A **"Badge Backpack"** providing each learner with a view of all badges stored in the hub and management tools.

4) An **API** for independent badge issuers to push badges into the open badge infrastructure, and for display sites to pull badges out (with the learner's permission).

Badge issuers and displayers are intentionally independent from the infrastructure. This infrastructure provides a metadata spec and API that anyone can use to issue badges within the system. Similarly, any site wishing to display badges can do so using the API and metadata specification.

Mozilla and Peer 2 Peer University are collaborating with learning partners on a new open badge system. Learn more or get involved at www.mozilla.org/badges

mozilla P2PU